



The who is who handbook in the public safety industry

#connectingthedots

Your guide to public safety solution providers is here...

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In case of any inquiries, please contact Mr. Jérôme Pâris at jp@eena.org.

INTRODUCTION

The latest edition of the **‘The “who-is-who” handbook in the public safety industry’** is here!

Do you want to get a clear overview of public safety solutions available on the market? Looking for partners in the emergency services industry? Then look no more: EENA's must-have directory of public safety solution providers is here to be your guide in any public safety industry search!

The objective of the publication is to **bridge communication** between all stakeholders in the emergency services field, and to become the **main reference** for public safety professionals seeking an overview of solution providers and their products.

But market information is useful only if still relevant: that's why **“The ‘who-is-who’ handbook” is updated every 6 months**. This way, you get only the latest news and updates from companies from around the world!

We would like to thank all industry representatives for contributing to this publication!

** Please note that this publication only includes EENA members.*

Comments or remarks? Please contact Jérôme Pâris, EENA Managing Director, at jp@eena.org.

You're in the right place if you're looking for...



A crystal clear overview of the market



Partners in the sector



Solution providers that can cater to your needs



The latest solutions available

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Looking for specific information? Are you interested only in one type of service or product? We've got your back. All companies have dedicated keywords to indicate their area of expertise (and make your life easier). You can search for specific keywords or simply take a look at the summary below to find the companies best suited to your needs.

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AIRBUS**Meet AIRBUS**

Airbus group is a large entity with 130,000 employees and a truly global presence. The roots of Airbus are strongly in Europe. Airbus is operating in many different business areas with a wide portfolio. These business areas include e.g. the commercial aircraft, helicopters, military aircraft, UAVs, satellites, satellite launchers, security solutions e.g. for border security, satellite communication solutions, cyber security and critical communication solutions. The customer base is also wide, including air carriers, defence organisations, security organisations and public safety.

Public safety customer base is forming a community consisting of the following key user groups : police and law enforcement, fire and rescue, emergency medical services, customs, borderguard, coastguard and drug enforcement agencies.

Airbus portfolio for public safety is based on many components including voice and messaging oriented critical communication solutions based on Tetra/Tetrapol technologies (networks, terminals, management systems, services), provisioning and network analyzer solutions, Tactilon Agnet application for multimedia communication, situational awareness applications, AVL and recording applications and dispatching solutions. The full offering for public safety customers is constructed by combining public safety specific portfolio components and other Airbus assets like cyber security.

**Ali Helenius**

Head of Strategic Marketing & Technology

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Would you like to know more? Visit the company's [virtual booth](#).

Meet Alcatel Lucent enterprise



Alcatel-Lucent Enterprise has an extensive emergency services experience and expertise on the European market. Our solutions include emergency call handling, on-site and remote security alerts, localization of emergency calls from an enterprise environment to reach the appropriate public safety dispatch center, location-based notifications to moving personnel or public in case of public emergencies, complete call routing, recording and conferencing capabilities for enhanced collaboration between on-site security teams and PSAP teams, emergency calls tracking and multi-vector notifications. All backed by enterprise-grade voice services and expertise, secured and high-available networks. Our emergency solutions are fully integrated with multimedia communications solutions as part of an end-to-end campus solution.

We are ALE. Our mission is to make everything connect to create the customized technology experiences customers need. From enterprises and public safety organizations to the cloud or in combination, we deliver networking and communications that work for your people, processes and customers. An essential provider of enterprise networking, communications and services to over 830,000 customers worldwide. #Wi-Fi #Cloud #Collaboration #BYOD #UnifiedCommunications #IoT #networks #emergency #eCall



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Would you like to know more? Visit the company's [virtual booth](#).

Meet Allianz Partners



Allianz Partners is the world's leading B2B2C specialist, delivering integrated solutions that combine insurance, assistance and technology.

Part of the Allianz Group <https://www.allianz.com/>, Allianz Partners operates under four global commercial brands - Allianz Assistance, Allianz Automotive, Allianz Care, Allianz Travel. Trust is a very important part of their heritage. Allianz Automotive provides expertise products and support in insurance and mobility services along the entire automotive value chain, and has earned the long-term trust of more than 40 major international automotive manufacturers. For over 70 years, customers around the world have trusted Allianz Assistance and Allianz Travel to provide them with best-in-class travel insurance and assistance services; and for over fifteen years companies of all sizes and industries, as well as private individuals and families, have turned to Allianz Care for reliable, comprehensive health, life or disability protection.

While their fields of focus are different, our four commercial brands and the teams that drive them share a common mission and values, a commitment to continuous innovation, a geographical reach, the ability to meet our partners global demands and a truly customer-centric approach.

Allianz Partners Key Figures 2017:

€7.46 Bn Total Revenues,
 €406 M Operating Profit,
 44 Global Offices with Commercial Activity in 78 Countries,
 19,100 employees worldwide,
 54 million cases handled,
 Working with over 40 car brands in more than 30 countries.

<https://www.allianz-partners.com/products-and-solutions.html>



Marjorie Simon

Head of Connected Car Assistance Services

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Would you like to know more? Visit the company's [virtual booth](#).



Meet APD - Algoritmos Procesos y Diseños



APD is an innovation and engineering company with more than **30 years of total experience** and 100% Spanish, leader in high value added solutions and services for the IT, Security & Defense, Healthcare, Telecommunications, Transport & Traffic and Industrial Automation sectors.

Within the scope of Security & Defense, we are a reference company in technological solutions for the critical communications of the Security and Emergency services, with our own technology for:

- Command & Control centers and **“112” or “911” Emergency Management Centers**
- TETRA communications networks
- Integrated communications systems for Patrol vehicles, Ambulances and Firefighters trucks
- Video surveillance and video security systems

In all of these fields, APD is involved throughout the whole project life cycle: from design and engineering to manufacturing, supply, installation, commissioning and maintenance, providing solutions on a turnkey basis.

APD accrues more than 20 years of experience in these fields, participating in the whole life cycle of the project: from design and engineering to manufacturing, supply, installation, launch and maintenance, providing both our own and third-party solutions following a turnkey approach.

We have become a leading company in technologies applied to the Critical Communications of the Law Enforcement and Emergency agencies, being pioneers on the implementation of customized Control & Command Centers, C4i and 112/911 Emergency Management Centers.

Hence, our Integrated Emergency Management Platform SiCom™ is helping organisms and institutions around the world like the National Police of Peru, Cantabria 112, Spanish Red Cross or the Ministry of Interior of Venezuela to improve the coordination of their resources and provide a better and more effective response to the citizens.



Andrey Cuellar Kuzmin

Business Development Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet APD Communications



We develop innovative communications software for emergency and critical control rooms in the public and private sectors. Our solutions deliver critical communications across the transportation sector, multiple international airports and major transportation hubs, as well as supporting police and fire services' control rooms.

From our base in the UK, we serve customers across Europe and the UAE and we're proud to say that one in two UK police forces are using our technology today. Read on to find out more about our products.

Cloud Control Room

Built for ESN, the Cloud Control Room delivers more for less. When you choose hosted, you'll increase the features and functionality available in your ICCS, CRM, location and other control room services at a fraction of the cost.

Cortex

Our Integrated Communication Control System (ICCS) is used in over 70 control rooms around the world. It enables rapid communication by integrating radio, telephony, CCTV and more onto one interface for operators.

Aspire

Our contact management solution helps you identify, protect and communicate with the public across multiple channels. It's a software solution that can easily be installed to work alongside your existing command and control applications.



Mike Isherwood

Managing Director

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Would you like to know more? Visit the company's [virtual booth](#).



ASELSAN Inc. is a high technology, multi-product company that designs, develops and produces state-of-the-art products and systems for military and professional applications since 1975. The ASELSAN headquarters, as well as the main production infrastructures, are located in Ankara, TURKEY.

ASELSAN operates under five divisions:

- Communications and Information Technologies Division
- Defense Systems Technologies Division
- Radar, Electronic Warfare and Intelligence Systems Division
- Microelectronics, Guidance and Electro-Optics Division
- Transportation, Security, Energy and Automation Systems

ASELSAN has expanded its technological capabilities and product spectrum using the know-how and experience accumulated through the major defense programs undertaken. ASELSAN is active in the following fields: military communications, radar, electronic warfare, electro-optic, navigation & avionics, weapon, C4ISR, naval, homeland security, traffic & toll collection, public safety, critical communications and geographical information systems.

ASELSAN has experience in Digital Radio Communication Systems, Command Control Centers and PSAP solutions with the capability to undertake large-scale system integration projects in addition to developing the most sophisticated high-end products.

The Turkish Gendarmerie uses ASELSAN's APCO25 digital radio system integrated with command control and call centers in more than 52 provinces. ASELSAN DMR System is implemented in 16 provinces for police forces. General Staff, Coastal Guards and Municipalities are some of the users of ASELSAN Products.

ASELSAN's 112 Emergency System is also one of the main products of the Emergency and Public Safety Communication System solutions. The "112 Computer Supported Dispatch and Management System for 112 Emergency Assistance Substructure Setup Project" was started in 2007. The 112 Emergency Call Center Project, which The Ministry of Interior has become the owner of, is undertaken by ASELSAN Inc. PSAPs have been put in use in twenty-five provinces since 2007. The aim is that PSAPs have been spread in Turkey step by step.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet AT&T

i AT&T is an international telecommunications company that was founded in 1887 when Alexander Graham Bell invented the telephone. AT&T is a public Fortune 500 company whose shares are listed on NYSE.

In the United States, we offer TV and wireless nationwide, plus a large high-speed internet footprint. We offer a wide choice of internet speeds to meet customers' needs. With our 100% fiber network, customers in 52 markets can download a 90-minute HD movie in less than 36 seconds, a 30-minute TV episode in 3 seconds and 25 songs in 1 second. We plan to expand these speeds to at least 23 more metro areas, at least 75 metros in total. We also offer pay TV in 11 Latin American countries.

We offer solutions that help businesses in every industry serve their customers better. We deliver advanced services to nearly 3.5 million businesses on 6 continents. That includes nearly all of the Fortune 1000 as well as neighborhood businesses across the United States.

Our high-speed mobile internet network covers more than 400 million people and businesses across the U.S. and Mexico. We also wirelessly connect cars, machines, shipping containers and more. It's all part of our leadership in what's called the Internet of Things.

In Europe, AT&T has partnered with MNOs to provide connected car services including telematics, concierge, and eCall emergency calling.



Judy Espejo

Lead Service Architect

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Would you like to know more? Visit the company's [virtual booth](#).



Meet ATOS



Atos is a global leader in digital transformation with an annual revenue of € 13 billion and 120,000 employees serving a global client base in 73 countries. As a long-time specialist in digital solutions for Homeland Security and Defense, Atos is an experienced partner working with public and private sector organizations to evaluate and adopt digital innovation for the most critical missions.

We bring to our customers the most extensive range of solutions to address their public safety challenges. We provide solutions for emergency and crisis management, tactical communication, law and order, threats intelligence, anti-terrorism, border and immigration, checkpoint control, Smart City security and more.

From observation to action, Atos solutions make it possible to collect and analyze critical data, generate alerts and ensure situational awareness. Anywhere they are, organizations such as police, fire brigade and medical services can obtain the information they need for timely decision-making. Atos solutions are based on secure private networks and secure communications. Atos provides a modular end-to-end offer for Public Safety:

Global emergency management

GEMMA is a next-generation emergency and crisis management multi-agency system. It is an end-to-end solution that enables you to manage events efficiently and securely. GEMMA helps PSAP's and Emergency Response Organizations deliver on their commitment to protect citizens and keep society safe.

GEMMA emergency call taking and computer aided dispatch software helps operators prioritize calls and coordinate response between collaborating organizations and first responders. It uses real-time location-based data combined with secure mobile technology.

GEMMA has been chosen by first responders, government and city services and critical infrastructure customers around the world. They are used for nationwide systems, for major cities such as Paris, Madrid, Barcelona as well as regions such as Galicia or Extremadura in Spain and many more.

Network and unified communications solution

Atos Multi Network Dispatching and Recording provides seamless communication between field forces and control room (multi-technology), and records communications between command and control center and the intervention forces. It can be connected to operational customer databases.

Atos Resource Tracking displays and records on a map the location and movement of mobile intervention forces, including various Point Of Interests, zones and automatic alarms.

Atos Unified Communication solutions allow you to receive calls through different channels (voice, video, SMS, eCall, instant messaging, apps, social networks...) into your call routing network, to quickly allocate contacts to the right agent. Atos offers the only carrier-grade VoIP session controller for both call handling and emergency services routing processes, aligned with next-generation emergency calling standards (NG112 / NG911).

Mass population alerting

Atos population alerting can cover a city, a region or an entire country. It coordinates different types of alarm systems, including sirens, by providing a unique system that can be run by independent public organizations. Based on redundant command and control centers, the system displays and activates alerts via multiple alert channels such as SMS, apps, radios, a network of sirens and even social networks.

Our population alerting solutions have been deployed by first responders, government and city services in Switzerland, Spain and Portugal.

Atos LTE solutions

Atos LTE is an end-to-end offering for tactical, secure and resilient communications. Atos LTE is based on interoperable LTE modules.

Hoox for mission is Atos's Android-based solution for safety forces enabling communication functions as push-to-talk (MCPTT) and advanced geolocation mapping features. It includes rugged smartphones, a portable hub that automatically switches between public and private LTE networks without loss of connection, and a security gateway.

Air-Lynx is a range of 4G LTE private network devices that are compact and easily deployable in multiple configurations.

Atos LTE also includes network solutions such as Atos Multi Network Dispatching and Recording and Atos Resource Tracking. It provides a secure tactical LTE communications infrastructure that can include custom Android application software.

Big Data and interoperability services

Atos Multi Agency Interoperability Platform services allows emergency responders to exchange diverse types of messages concerning the incidents they are involved in. Deliverable as a either 'Software as a Service' (SaaS) or on-premises, it provides a secure messaging hub for exchanging incidents between agency control rooms.

Atos Codex is an innovative solution that performs big data analytics on safety and rescue information to deliver an intelligent incident response. By collecting and analyzing data from multiple sources, this solution delivers insights that enable a response to be triggered and managed in real time.

Atos Codex AI Suite is a comprehensive software suite providing the tools needed to scope, develop, roll-out and manage AI applications. Codex AI Suite is particularly well-suited to artificial intelligence (AI) applications leveraging strong machine learning and deep learning. Atos partners with Google Cloud to offer its customers secure solutions in areas including hybrid Cloud, data analytics & machine learning.



Isabelle Delfosse

Marketing and Portfolio Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Avaya

Avaya is a global leader in enterprise communications systems.



Avaya and our partners are crafting comprehensive solutions to meet the increasingly complex multi-channel communications and network requirements that are critical for successful Next Generation Emergency Services implementations. Avaya's core contributions to Next

Generation Emergency Services are centered around our core competencies in:

- Contact routing and treatment (Voice, SMS, Realtime Text & IM, Video, Social Media)
- Intelligent contact filtering and prioritization to avoid resource overload and enable adequate and efficient incident treatment
- Multichannel Outbound communication and mass notification to enable case sensitive and location oriented communications to selected target groups and citizens
- Application integration into Command and Control room applications, rich interaction between media streams and application logic
- Virtual Network and Cloud infrastructures, prepared for high volume realtime traffic (CCTV, voice, video), supporting distributed, consolidated and integrated Emergency Services and Public Safety environments

As Governments and Public Safety Institutions build the network required for Next Generation Emergency Services, Avaya is ready to provide solutions today, across all required communication channels. Government institutions of all sizes can continue to depend on Avaya for state-of-the-art communications that improve efficiency, collaboration, and services to citizens.

Avaya understand that Next Generation Emergency Services is a desired end state that helps to solve many current challenges. We also see from our recent customer interactions that many organisations see the challenge in getting to that end state without neglecting current landscapes. Avaya's platforms do support customers to migrate from where they stand today into the new world of public safety communications and interactions, including current hot topics like

- ISDN-to-SIP migration
- Internet of Things, sensor and apps integration
- Infrastructure and services security
- Cloud-based services in public safety

Avaya's team of seasoned experts in public safety and emergency services is ready to get in touch with you to explore a new dimension in public safety communication, collaboration and interaction!



Markus Bornheim

Practice Lead Avaya International - Public Safety & Emergency Services

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Would you like to know more? Visit the company's [virtual booth](#).





Meet **Bandwidth**

i Bandwidth is a Communications Provider as a Service (CPaaS) company offering a full suite of voice, messaging, and 9-1-1 services and APIs, all built atop the company's own carrier-grade VoIP network. Businesses use Bandwidth's APIs to easily add calling, texting and 9-1-1 connectivity to software, applications, and internet-connected devices. Bandwidth is proud to be the communications provider behind a range of customers varying from telecom-focused brands like Earthlink, RingCentral, and 8x8 to Internet Giants like Google and Microsoft's Skype for Business.

Bandwidth's 9-1-1 Access services offer a full suite of e9-1-1 technology to answer any emergency connectivity need from Standard Address Routing, X,Y Coordinates Routing, and enterprise-ready Dynamic Location Routing. And behind it all, Bandwidth's full staff of communications experts provide the hands-on guidance and subject-matter expertise that working with 9-1-1 technology demands.



Lydia Runnels

Vice President Emergency Services

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Would you like to know more? Visit the company's [virtual booth](#).



BETA 80 GROUP

Meet **Beta 80 Group**



Beta 80 Group started its journey in Milan, Italy's business capital and one of Europe's most dynamic cities. It has now become a leading company in Public Safety Solutions worldwide. As of today, just in Europe, Beta 80 serves over **65 PSAPs and Control Rooms** covering Law, EMS, Fire, Healthcare Continuity and Civil Defence. Every day, our solutions protect **38 million citizens with a 100% customer retention rate.**

Beta 80 is making the digitalization of emergency PSAPs and Emergency Control Rooms possible by empowering local operators and agencies with the world's most advanced tools and solutions through which they can manage their daily operations in a simple, innovative way.

OUR PRODUCTS AND SERVICES INCLUDE:

BETA 80 CAD: The first all in one, high performance and scalable Computer Aided Dispatch solution for **next generation 112 PSAPs**, a system which is revolutionizing the entire emergency response industry, integrating multimedia management, Social Media and ESInet components. A platform based on SaaS architecture with an **innovative model of data collection** and sharing among operators, dispatchers and responders while supporting conversations with citizens through social media and total communication elements.

SMART MOBILE APPLICATIONS: Beta 80 has a vast range of tablet and smartphone application to support on-field operators in their daily tasks. Some of our solutions include **Mobile CAD, ePCR, AVL, and apps for first responders.** Beta 80 also develops apps for geolocating citizens in emergencies, compatible with PEMEA standards.

SYSTEM INTEGRATION: Beta 80 has a **proven track record as a system integrator and consultant** in the most important European projects such as eCall and TSP eCall implementation, PEMEA app network deployment, Multimedia Call Handling, AML and HTML-5 based localization services, and social media enhancement for PSAPs (including the interoperability with the crowdsource Waze app).

Our products come from our 30-year experience in the Public Safety market and our close relationship with partners and customers, combined with the newest technologies in data management, geolocation and mobility. We believe the greatest asset for a company is the ability to create a network of positive connections from which to learn and grow. Therefore, in over three decades we have continued to grow and invest in our product and service lines whilst never losing a single customer.



Luca Roberto Bergonzi

EMEA Sales Executive

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **BOSCH** Service Solutions

i Bosch Service Solutions is a leading global supplier of Business Process Outsourcing for complex business processes and services. Using the latest technology and the Internet of Things, the business unit develops integrated and innovative service solutions in the areas of Mobility, Monitoring, and Customer Experience. Around 8,000 associates at 27 locations support national and international customers in more than 35 languages, primarily from the automotive, travel and transportation, and logistics sectors as well as information and communication technology.

We are consistently expanding our IT and consulting expertise to offer holistic service solutions from a single source. In June 2012 we started the Bosch eCall Service in Europe which makes an important contribution to road safety, in line with Bosch's guiding principle of "Invented for life". The Bosch eCall Service is now available in 16 languages and more than 40 countries allowing rescue operations to be carried out in an even more targeted and rapid manner thanks to multilingual capabilities and the effective way in which false alarms are resolved. Currently it is used by around 5 million vehicles worldwide and has already been able to help many people. We want to continue to grow and expand our position as a leading provider of innovative mobility and service solutions for greater safety and convenience on the roads. In 2020 we expect a total of 20 million vehicles equipped with Bosch eCall Service.



Christine Koehler

International PSAP Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Buehler**



We are engineering consultants specialised in communication and information systems as well as in telecommunication and mobile communication systems.

We are management consultants specialised in organisation and corporate development together with process optimisation and project management.

For complex critical infrastructure including public safety we are one of the few competence centres in Austria and Central Europe. Our range of services includes engineering consulting for electrical engineering, services in information technology as well as management consulting including business organisation.

We are an efficient team with extensive experience and high-level academic qualification. Profound and experienced understanding builds the basis of our expert opinions, analyses and studies, planning and implementation projects.

We are likeable, empathic, focussed and persistent. We stand for consulting for fact- based sustainable and economic implementations. We stand for engineering services with well understood conceptual and theoretical fundament.

We count small enterprises as well as large companies, governmental bodies, national and international service providers and private and public network operators for energy, telecommunications and mobile networks to our customers.

Innovation in technology and methodology is one of our core competences. We are actively taking part in innovation and research activities. We have close contact with the Universities of Technology in Vienna and in Graz at national level and participate internationally in projects in the COST-Framework (European Cooperation on Scientific and Technical Research).

From our office based in Mödling, just south of Vienna, we have been managing our national and international projects since our foundation in 1995.



Hermann Bühler

Managing Director

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Would you like to know more? Visit the company's [virtual booth](#).

CAPITA

Meet CAPITA



Capita Secure Solutions & Services is the UK's leading supplier of Public Contact and Control Room solutions with a 30+ year pedigree supplying mission-critical command, control & communication platforms to Emergency Services and other response agencies in the UK and overseas.

Core products:

ControlWorks

ControlWorks® is a single platform communication hub which puts transformation within the grasp of every agency. ControlWorks® is live and proven in operations in some of the largest agencies in the UK including major metropolitan and national police forces.

ControlWorks® is borne out of our understanding and direct experience in control room systems and offers a major step-change in efficiency. It brings together core control room and contact centre functions and automates interaction with other systems to enable organisations to transform the way in which they operate.

ControlWorks® is a single solution for all contact centre and control room operations. It enables organisations to cost effectively manage all of their operations from a central viewpoint and improve the experience of callers through enhanced contact management. It also ensures that Officers with the right skills, equipment, incident knowledge and experience are safely and quickly despatched to incidents.

ControlWorks® enables a faster and more consistent response, giving greater access to information to frontline officers, greater efficiencies in co-ordinated responses and facilitates greater communications access and understanding by the public. It minimises human error, providing fail-safe monitoring of repeat callers and alarm notifications for incidents such as recurrent contact. ControlWorks® provides operational agility and lowers the barrier between frontline and mid office operations and the back office support functions.

999Eye/911Eye/112Eye

The 'Eye' platform, delivered securely as a service, provides 'on scene eyes' to Control Room operators by streaming video direct from a caller's smartphone.

- Secure, one-time-use link sent to caller by SMS or email
- Video streamed direct to Control Room or, under low bandwidth environments, as still images
- GPS enabled to allow for accurate location of caller
- Ability to share the video or images with other control room operators or responding resources across multiple agencies if required
- Works on any smart device and operating system - no need to download any apps

DSX Integrated Communications & Control Solution (ICCS)

The DSX range of Integrated Communication Control Systems (ICCS) is the hub of the Control Room product range, designed to provide integrated control of a host of communication subsystems.

These may include digital trunk and analogue PMR radio systems, call handling systems, digital and analogue telephony, CCTV, voice recorders, intercom systems, door locks and alarms. It also provides the capability to integrate with both internal and external sources for provision of the correct decision making information for the dispatch process.

These systems have been specifically designed to meet the demanding needs of the Emergency Service Call-Handling and Dispatch environment. Capita solutions have been proven over many years in the mission critical Public Safety environment where security and resilience in communications can be the difference between life and death. Our extensive product range is also being used to provide valuable solutions to many other organisations such as transport authorities, port authorities and a range of private companies for whom secure and reliable communications are vital.

Over 130 DSX systems are now in use with UK based customers in Police, Fire, Ambulance, Coastguard, Military and Highways Agency installations. The DSX is the only ICCS solution that is currently being used to fully support countrywide operation in the UK, by agencies such as British Transport Police, the Maritime and Coastguard Agency and Search and Rescue.

VisionDS

VisionDS provides the complete Control Room solution combining state of the art Command, Control and Communications with integrated mapping to enable operators to work more efficiently through an intuitive user interface in a single solution.

Key Benefits

- Integrated communications

Through a single client interface full telephony, radio and data communications can be handled efficiently.

- Improved response times

The use of AVLS, dynamic mobilising and the monitoring of activation times assists in improving response.

- Greater utilisation of vehicles and asset management

Driving savings through more efficient use of resources.

- Reduced voice traffic

Through data integration reducing work load on the control room and reducing costs.

- Portability

Uses industry Standard hardware and operating software which can be simply implemented anywhere on the network supporting both central and distributed control rooms through flexible deployment.

- Integrated mapping

Fully integrated mapping provides extensive geo-centric capabilities without the need for a separate GIS.

- Scope for collaboration

Flexible solution supports multiple agencies and a shared platform.



Nick Oliver

Head of Marketing

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Carbyne



Carbyne is a highly-advanced national real-time emergency call handling system and next-generation 911/112 infrastructure.

The comprehensive Carbyne call-handling system serves as the gateway for delivery of a wealth of accurate, timely, and critical data to Public Safety Answering Points (PSAPs), helping call-takers analyze and process what is happening in real-time, provide accurate support, reduce operational costs, slash time to dispatch, and save lives.

Carbyne is a complete ecosystem that can replace existing call handling solutions, or enhance legacy platforms with Carbyne's unique, patented systems that run on top of any existing emergency service infrastructure, helping PSAPs go live with NG911/112 operations – with no service disruption.

Product Offerings:

c-Live NG – Carbyne's state-of-the-art call handling platform provides your PSAP with rich, time-critical data – including caller details, dynamically-updated pinpoint location (within 1 meter indoors, 5 meters outdoors), ANI/ALI over Google maps, and two-way chat with the caller.

c-Live NG provides call takers with live video streaming from the caller, allowing the call taker to see and evaluate the situation as the caller experiences it. In addition, c-Live's advanced IP-based communications and global infrastructure deployment ensure superior performance and operational continuity.

Note! The above features are available to callers from smart devices *without pre-installed apps!*

c-Core – Carbyne's exclusive core technologies and robust, global infrastructure are aligned with the 5-nines Service Standard (Telco Grade SLA of 99.999%) and the i3 Standard. The system supports advanced security profiles with encryption, authorization and authentication protocols. Data is fully encrypted, when in transit as well as at rest. In addition, Carbyne provides a DDOS prevention layer to ensure access, even when your system is under attack.

c-Lite – The replacement of existing legacy platforms can be delayed due to prior contractual obligations, or because of difficulties in preparing the PSAP for integration of new technologies.

c-Lite was intended for deployment as an add-on product, designed to enhance existing platforms with Carbyne technologies, such as live, accurate device-based location, live video streaming from mobile devices, and two-way chat with the caller – with zero risk – requiring no integration, and without any disruption to existing systems.

Carbyne's products have benefitted from the real-life experience of customers in locations around the world. This experience clearly shows the crucial value of enhanced, at-the-scene information, reducing time-to-dispatch by over 60%, and ultimately saving lives.

Carbyne – introducing the next generation of communications between public safety organizations and the communities they serve.



Iris Hermon

VP Marketing

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Carmenta

i Carmenta has been supplying world-class emergency management software systems for more than 30 years – systems in which robustness and superior situational awareness are key to success.

We provide high performance software products, develop client specific solutions and offer a wide range of professional services that help some of the world's most technologically advanced customers optimise their operations using real-time geospatial information.

Whether you run an emergency response centre or manage a border control system – Carmenta is your trusted global partner.

For more information please visit www.carmenta.com

Our approach is to provide and manage a portfolio of high quality software products that can be used to build a wide variety of customer specific solutions. Our product approach ensures that our customers have a well proven platform and, with our well defined portfolio roadmap, a future proof partner for their most critical operations.

Systems for emergency response and critical infrastructure protection

In emergency response situations, every second counts. Being at the right place, with the right resources, as fast as possible saves lives, reduces suffering and minimises property damage – but this requires the optimum utilisation of public safety resources.

With the right decision making and resource coordination tools, the emergency response will be faster and more accurate. As efficiency increases, operating costs will start to decrease allowing a substantial saving for society, reduced suffering and lives saved.

Our product portfolio includes:

Carmenta CoordCom™

Fully fledged C4IS system that integrates incident and resource management with communication systems, all in a single product.

Carmenta ResQMap

A geographical information system used in our mission critical solutions.

Carmenta ResQMobile

A mobile device intended for use in rescue vehicles providing full case information from CoordCom and navigation instructions to the first responders leading the rescue operation.

Carmenta is a Swedish company headquartered in Gothenburg and having branch offices in Stockholm, Berlin, Paris and Valencia. We have been active providing emergency response and geospatial solutions to our customers for over 30 years providing solutions which span from nationwide to local operations. To give potential clients confidence in our capabilities, we can warmly recommend a visit to one of our 15 established customers and we would be pleased to arrange this upon request.

Depending on the client's location and requirements, Carmenta engages directly with the client or via a trusted system integration partner established close to the client.



Steve Watson

Sales Director

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Cestel



CENTRO ESPAÑOL DE SERVICIOS TELEMATICOS S.A (CESTEL) is a full service provider of ICCS - Integrated Communication Control System, Recording Systems, and interactive voice response (IVR) systems, for 112 Centers.

CESTEL's vision is to be a leader in mission critical customers, through the development of powerful interactive communication solutions to help institutions increase service and reduce operating costs. CESTEL has accomplished this through a talented and experienced staff, focused on exceeding customers' expectations for delivery, quality and professionalism. Furthermore, every application is developed using the latest proven technology or one that is developed within CESTEL's own hardware and software Research & Development labs. CESTEL belongs to the PROGESCAR GROUP as well as NATURAL VOX (www.naturalvox.com), SYSCOM (www.syscom.es) and DTEC (www.dtec-bio.com), experts from these companies will join Cestel's tasks on this project. Website: www.cestel.es.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet CityGIS

Custom fit 112 software

When every second counts



CityGIS provides sophisticated GIS software for 112 centers and its connected vehicles, creating a large overall 'common operational picture'. CityGIS systems have it all, from A to Z, from the incoming call at the Center to automatic navigation in vehicles, to transferring information, of the highest quality, designed for the mission critical 112 operations, and backed up by many years of experience. Every innovation we pursue is based on our mission statement: "To provide the best geographical coordination & information systems where every second counts." The results of this ambition are found in our wide range of products. For example: web based GIS, back office systems, automatic address retrieval, database, GPS, 3D, camera integration, communication, navigation, mapping, disaster management, personal locators, covert operations, ePCR, and a new vehicle multipurpose hardware platform with remote management and maintenance. Our products can be placed across the whole spectrum of critical communication, for example:

- **CityGIS 8.0 powered by Orca** is our newest addition to the CityGIS family. This web based GIS is designed for emergency centers and vehicles for dispatch. Within this dynamic and intuitive client the dispatcher can easily find needed information and share it with colleagues, with mobile systems in the vehicles or with other emergency centers. CityGIS 8.0 is designed to be easy to master and to get results fast without many actions. The systems' modular structure makes it easy to connect to new technologies or sources of information. It's built to evolve. This netcentric web based Geographical Information System architecture increases efficiency, cuts down costs and simplifies maintenance.
- **CityNAV 4.0** quickly and safely navigates the vehicles to an incident. Meanwhile all necessary information about the incident, about victims, the surroundings and other need-to-know information is shown and easy accessible. The software also provides a platform on which a clear and direct communication between vehicle and control room is made possible.
- **CityGIS C&D (Calltaking and Dispatch)** is available but will also be released in the future as the new, web based version of our central emergency room system. The core principles of this development are efficient communication and an intuitive user interface, which can be deployed with the push of a button. The dispatched units will immediately receive all the needed information for a quick and effective operation.

Next to the described products we provide many more services over the whole scope of the critical network to make the work in the control rooms and on the streets more efficient and hence creating a better environment for the emergency services.

- **CityGIS Electronic Logsheet**, built in cooperation with our clients in the healthcare sector, enables paramedics and doctors to efficiently collect patient data that can be used to improve the level of

patient care on the road and in the medical centers. The Electronic Logsheet has been specially developed for the ambulance services. The touchscreen application enables paramedics to communicate with the control room, hospitals and billing systems. Due to the clear UI, ride and patient data can be registered and exchanged quickly. Ride and patient data are sent directly from the control room to the Electronic Logsheet. Subsequently the paramedics are able to add extra information about the location or the patient. Once again, increasing efficiency of communication and saving valuable time.



Hessel Aukes

Project Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Comtech Telecommunications Corp.



Comtech Telecommunications Corp. (Nasdaq: CMTL), is a leading provider of public safety solutions for wireless technology and we continue to demonstrate our dedication to public safety through the delivery of secure and reliable solutions.

Public Safety solutions offered:

- **Indoor location** – one of the only companies to provide seamless indoor and outdoor location, Comtech delivers accurate and reliable X, Y and Z access in real time and even in areas without GPS or mapped wi-fi.
- **Location APIs** – a complete, modular Location and Geo-Services platform designed for developers building applications for mobile, automotive or IoT public safety use cases. Platform includes positioning, search, enhanced local content, maps, navigation, geo-fencing and tracking via cross-platform APIs and SDKs supporting all leading operating systems.
- **Location-Based Services** – either in-network, hosted, or virtualized, we offer both active and passive location solutions to determine a mobile device or caller's location.
- **Location Data Platform** – full Automatic Location Identification (ALI) functionality for 9-1-1 systems plus complete access and management of ALI information via a comprehensive ALI Database Management Service (DBMS).
- **Short Message Service (SMS)** – a compact, high-capacity, multiprotocol SMS delivery platform with multiple deployment options.
- **Wireless Emergency Alerts** – facilitates the origination and accurate delivery of geo-targeted emergency alerts to keep the public informed about life-threatening events.
- **Wireless E9-1-1, Next Generation 9-1-1 (NG9-1-1)** – an Emergency Services Internet Protocol network (ESInet) and seamlessly connects originating service providers with public safety answering points (PSAPs)

Comtech has over 20 years of experience developing and deploying public safety solutions. with location platform deployments in more than 70 mobile operators around the world. Additionally, we support nearly half of all U.S. wireless E9-1-1 calls and lead the nation in text to 911 and Emergency Services IP Network (ESInet) deployments.

Comtech understands the goals and objectives associated with deploying platforms for emergency, security and commercial LBS on 2G, 3G as well as the emerging 4G-LTE and 5G networks. At Comtech, we have an extensive experience deploying our technologies to be used for and comply with both government regulated public safety and security requirements, as well as Mobile Network Operator driven commercial use cases.



Tom Magnusson

Senior Director of Global Sales

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Would you like to know more? Visit the company's [virtual booth](#).



Corti

Meet Corti

Corti makes AI-driven decision-assistance tools for emergency medical dispatchers.

i We imagine a future where every medical professional will have an artificial intelligence based expert agent augmenting them as they diagnose patients, eliminating fatal errors and reducing guesswork by enhancing the skills of the human agent.

Like a dispatcher, Corti analyzes everything a caller says and shares, and the data is sent through layers of artificial neural networks in real-time. As an emergency call proceeds Corti looks for patterns in the call data to help the human dispatcher be more thorough and efficient, never missing a single clue. The dispatcher ends up with clear advice from Corti during the call, enabling them to make faster and more qualified decisions and reduce errors.

We are proudly partnered with EENA to [pilot our AI across Europe](#). If you are a PSAP interested in piloting cutting edge decision-support technology, please reach out to us on our website.



Andreas Cleve
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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Creativity Software**



Accurate Mobile Location for 112 Emergency Services

Creativity Software (CS) delivers accurate mobile location solutions for 112 Emergency Services. CS has delivered high accuracy mobile location software for over 15 years. CS has been an advisory board member of EENA for over 8 years and a consortium member of the EU Help112 project, validating AML and Galileo location accuracy.

Network-Based Caller Location

Our award winning mobile location (LBS) platform, LocationWise, delivers the highest accuracy mobile location results worldwide. Successfully deployed in mobile networks, covering over 600 million active subscribers globally, it is audited daily to validate that it achieves the highest accuracy and meets regulatory obligations.

LocationWise delivers accurate location utilising:

- GMLC/SMLC/SAS/E-SMLC
- A-GPS/SUPL
- Advanced location modelling technology (Accuracy+)
- All network technologies (2G, 3G, 4G & CDMA)

For more information about LocationWise and network-based caller location visit: [LocationWise](#)

Advanced Mobile Location (AML)

AMLWise is a standalone module of LocationWise developed as a ready-to-use AML solution that enables you to receive and decode Android and iPhone AML data, fully integrated with your CAD system.

- **AML for regional PSAP structures** - countries with regionally structured PSAPs need to route AML data to the relevant contact centre. AMLWise can centralise all AML data and then send the caller's location to the relevant PSAP centre.
- **AML for multiple emergency number structures** - countries with multiple emergency numbers need AML data to be routed to different contact centres. AMLWise can centralise all AML data and the PSAP centre can pull the AML data when they receive the call.
- **Select the best available caller location** - manage both network provided locations and AML locations, to enable PSAP centres to utilise the best emergency caller location available.

For more information about AMLWise and Advanced Mobile Location (AML) visit: [AMLWise](#)

Location-Based Public Warning System

CS can help deliver a Reverse 112 Public Warning System using Location-Based SMS, or Cell Broadcast. Send targeted alerts to all mobile subscribers in a specific geographical area, including local subscribers

and in-country visitors (inbound roamers).

- **Precise geo-targeting** – define the geographical area to send alerts
- **Location-based alerts** – issue alerts via SMS, app notifications or cell broadcast
- **Immediate and dynamic alerts** – send immediate, real-time alerts and to all subscribers who enter the affected area
- **Network traffic management** – full management and control of messages across the network to reduce traffic congestion

To find out more and book a discussion about the Location-Based Public Warning System visit:

<https://www.creativitysoftware.net/locationcontact/>

CS delivers high accuracy mobile location software and services for Mobile Network Operators (MNO), Emergency Services, Law Enforcement Agencies (LEA) and Financial Institutions to save lives, protect the public and fight crime.

For more information about CS please visit: www.creativitysoftware.net

To book a demo, discussion or consultation please [schedule a demo](#)



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Would you like to know more? Visit the company's [virtual booth](#).



Meet DATUS



DATUS was founded in 1970 and has been a manufacturer-independent specialist for ICT solutions ever since. With the extensive solution expertise in the field of voice and data convergence in networks and applications, DATUS provides innovative standard and customized solutions for medium and large enterprises and public authorities. The focus is on communication solutions and the integration of various services (voice, data and multimedia) as well as customer-specific solutions for special requirements, such as communication solutions for PSAPs. E.g. 100 of the 240 German 112 PSAPs are equipped with DATUS eCall decoders and more. One of our strengths is our own research, development, engineering and consulting expertise and competence. Our solution-portfolio is completed by 24/7/365 service and support.

Areas of specialisation: customised solutions, services, development and products in the fields of ICT (Voice, Data, Security, Safety) for Business Customers, Public Authorities and Organizations with safety/security tasks (BOS) and Military Sectors. In addition, products and solutions to migrate legacy voice and data applications to IP-based infrastructures (transport and transformation), e.g. ISDN to All-IP-Networks.

Areas of application: Large-scale and cost-effective applications in the area of IP-Telephony, Voice-over-IP (VoIP), Unified Communication (UC), Computer-Telephony-Integration (CTI) and Fixed-Mobile-Convergence (FMC) with IP-Communication Systems and Voice-/Media-Gateways. Solutions for Public Safety Answering Points (PSAP – emergency call center 112) to support telephony (IP-PABX), eCall, emergency call conferences, control and geo-information systems. Hardened applications for military ICT solutions in mobile environments.

Own Products, e.g.:

- IP-PBX and IP-Communication Systems (DATUS indali)
- Emergency Call Decoder and Gateways (DATUS NDC)
- VoIP/Media-Gateways (DATUS NTG, iAGS, MP/OP)
- Ruggedized VoIP-router and communication systems for special environments and requirements

Services offered: Beneath service and support for our own products and solutions we offer a wide range of Professional Services in the fields of Consulting, Engineering, Development (HW and SW), Project and Rollout Management.

Technical expertise:

- Concepts and system-architectures for innovative and cost-effective communication solutions
- Comprehensive know-how in modern, legacy and customer-specific communication protocols like e.g. VoIP, SIP, H.323, TDM/ISDN (DSS1, Q.SIG), MGCP, IP, ATM, Frame-Relay, X.25 and its implementation
- Software development: PHP, C++, C, Java, LINUX, modern WEB technologies using WebSockets and WebRTC, Open Source Software advancements and customizations, database technologies, device drivers,

- Hardware development: embedded systems, standardized and customer-specific telecom interfaces and bus-systems, environment and EMC hardening, ...

Aims, cooperation fields and forms: To improve our aims as a specialist for innovative, customized and future-oriented communication solutions we are looking for partnerships with companies in need of customized and/or tailored telecommunication solutions. Furthermore, we are interested in sales partners for the European telecommunication market and in the field of safety and security solutions.

Research and Development: Widespread knowhow in software and hardware development (see above: technical expertise). Research e.g. in the fields of secure and trusted IP-communication solutions, next generation emergency calls, ...

Certification: Quality Management Certification ISO 9001, TeleTrust Quality Seal "IT Security made in Germany"



Robert Esser

Manager Business Development

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Deloitte



Deloitte is the world's largest network of professional services firms, employing more than 263,000 professionals. With operations in over 150 countries and territories, including over 40 offices in Europe, Deloitte provides a comprehensive range of services across consulting, audit and assurance, tax, financial advisory and risk advisory to clients of all sizes, geographies and industries.

Deloitte has an established and reputable public safety and emergency services practice which services industry leading clients across the globe, ranging from national and local policing organisations in the UK, North Western Europe, Canada and Australia, to national and state based safety and emergency services organisations in the UK, Northern Europe, US, Canada and Australia. With over 2,500 specialist practitioners globally, Deloitte delivers a range of innovative and purpose-built services to its public safety clients. Deloitte's solutions aim to address challenges encountered across the industry, including digital disruption, threats to cyber security, legacy technology systems, public pressure to improve citizen experience and increasingly data-driven decision making.

Deloitte's flagship services focus on delivering technology-enabled business transformation, implementing innovative operating models and harnessing insights from data. These include:

- **Mission Analytics.** Implementation of mission analytics solutions to enable clients to better respond to changing public threat environments
- **Cyber Security Solutions.** Advisory and implementation of cyber security solutions to address increasingly prevalent and malignant cyber threats
- **System Integration.** Integration of contemporary technology platforms and migration of legacy data with a focus on DevOps, Agile, Cloud and System Architecture capabilities
- **Digital Policing Solutions.** Implementation of digital policing solutions to enhance operational policing technology and the digital experience of citizens
- **Mission strategy and Innovation.** Advisory and transformation of mission strategy and innovation, including the implementation of disruptive technologies such as smart cities, biometrics and block chain
- **AI Assistants.** Implementation of AI Assistants that release staff from administrative tasks, assist in complex decision making and draw insights from the large quantities of digital information.

Deloitte offers a robust value proposition to its public safety and emergency service clients, which stems from its:

- Commitment to mission outcomes, adding value to the front line through practitioners who are fluent and experienced in public safety and emergency operations and culture
- Capabilities which span the end-to-end life cycle of public safety and emergency services, ranging

from advisory to implementation and operations

- Leading credentials and experience with large technology players across the globe
- Demonstrated ability to drive collaboration across public and private sector entities to facilitate strategic relationships and outcomes.

Deloitte also has established partnerships with a number of leading technology and software vendors and industry bodies, which it leverages to deliver wrap-around solutions for public safety and emergency services. To find out more information about our practice or our insights on the industry, please visit our website www.deloitte.com.



Peter Overton

Lead Partner, Australian Security and Justice Sector

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Deveryware



Deveryware's capacity for innovation, commitment to values of respect for privacy and unprecedented experience and knowledge of the Homeland Security market, make the company the trusted partner in safety and security affairs, a status already recognised by stakeholders such as the French Ministries of the Interior, Justice, Economy and Finances.

Deveryware has gained considerable know-how and expertise in public safety and security over the last 6 years, contributing to multiple European projects involving emergency services, civil protection authorities and public safety organisations. Projects iSAR+ and Soteria have allowed for the construction of a complete portfolio of security solutions and services that include Mobile Alerting Platforms already commercially available in France. During the NEXES project, Deveryware implemented services and extensions of the PEMEA standard, which deliver 112 Apps interoperability, enabling roaming and improve the accessibility to emergency services for citizens experiencing disabilities or impairments. Deveryware's PEMEA services platform (brand name GHALE) has been commercially available to the emergency and application sector markets across Europe since October 2018.

Resolutely forward-looking, Deveryware strives to provide the latest technological innovations, driving solutions that offer services delivering real and tangible benefits to the security and public safety markets. The Deveryware mission is shared by all its staff and this is a commitment to better security and safety for all.



Bertrand Casse

Public Safety Director

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Would you like to know more? Visit the company's [virtual booth](#).



Meet DGT



DGT is the provider of comprehensive telecommunication and IT solutions. The company develops and integrates the innovative technologies of fast data, video and voice transmission, Internet access, and broadband multimedia services access using traditional media and convergent networks.

DGT was founded in 1991. The company represents Polish capital (100%), employs Polish engineers, and incorporates unique solutions. The granted certificates: ISO 9001 - the Quality Management System certificate and AQAP 2110 confirm the highest quality of the offered solutions.

DGT solutions are used by the Ministry of Defense, the Ministry of the Interior and Administration, mobile and traditional telephony operators, as well as by the representatives of the public administration, industry and business.

Our company specialises in designing software and electronic equipment as well as implementing ICT systems. We have our own production potential, enabling us to manufacture our own equipment and provide its long-term service.

1. DGT PTT Connect

(<http://www.dgt.pl/en/pttconnect>)

DGT PTT Connect is a Push-to-Talk solution where calls are made using standard or enhanced Android smartphones. The smartphones must have a DGT app installed and Internet access (GSM, Wi-Fi).

DGT PTT Connect offers all the functions available in trunking systems, using wireless data transmission. The system does not require the construction of dedicated radio infrastructure and has virtually no geographic limitations.

As a DGT PTT Connect system user you can make group calls (one-to-many), individual calls (one-to-one) and priority calls. You can also send text and multimedia messages to individuals or groups. The task management module streamlines team work. The positions of all group members can be tracked with the integrated map module. A motion sensor operating in three dimensions can generate an alarm that is activated when a user remains motionless for a specified time. If the user does not react to the alarm, a call specifying the position of the casualty is sent to the other users.

DGT PTT Connect can operate as an autonomous solution or in conjunction with any radio system. This means that a smartphone can communicate with two-way radios. This solution requires a RadioBox linking the DGT PTT system with the radio system. Radiobox now supports TETRA, DMR, NXDN, P25 and analogue systems.

DGT offers individual solutions tailored to the specific needs of each customer. The solution can meet the expectations of many organisations with respect to internal communication, management and security. It can also enhance the existing means of radio and/or telephone communication with PTT communication using smartphones and similar devices.

Selected features:

- two-way-radio-like voice communication between application users
- voice communication with two-way radio users via the DGT MCS system
- group calls
- individual calls
- group and individual SDS messages
- user's GPS location
- map and visualisation of user locations within a particular group
- high level of communication encryption
- transmission channel using GSM operator network or WiFi
- telephones with a dedicated PTT button can be used, e.g. Kyocera
- compatible with headsets equipped with a PTT button
- multiple options of using Bluetooth sets (headsets, earpieces etc.) , call recording

2. DGT Cyber Protektor - Secure communication in the face of a real threat of cyber-attack (<http://www.dgt.pl/en/secure-communication-in-the-face-of-a-real-threat-of-cyber-attack>)

Is the threat of cyber-attack real?

Cyberwar is part of the reality that surrounds us. It is fought with the purpose of causing maximum damage using the latest technologies by intentionally disrupting the interactive, organised circulation of information in cyberspace. The reasons behind it are political, ideological and economic, especially with regard to infrastructure of major importance for the economy and/or the country's defence.

Each ICT system has been or will be affected. The question is: when?

According to the reports prepared by the Polish Ministry of Internal Affairs and Administration on the basis of data provided by the Police General Headquarters, Internal Security Agency (ABW), Customs Service, Ministry of Digital Affairs and the Ministry of Justice, cyber-attacks are increasingly ordered by foreign governments. It must be assumed that attacks on ICT systems operating in the institutions responsible for security in our country are unavoidable.

DGT Cyber Protektor – a product for a new era

Cyber-attacks can successfully block or interfere with the operation of ICT systems on IP networks. In the face of known and unknown cyber-threats, DGT has developed a solution for its communications systems, ensuring the maintenance of critical voice communication even in the event of a total paralysis of the IP network. Our customers benefit from a standard protection of the IP layer, while ensuring separation of the layer in which critical voice services are executed.

Key Features

Innovative and unique

Modern ICT solutions today are practically completely based on IP infrastructure. Any as firewall or session border controller, provide a more or less effective protection of cyber-attack. It is impossible to provide complete security against new, yet unknown attacks or vulnerabilities of the IP layer. DGT Cyber Protektor, in addition to IP layer protection, from the IP, which cannot be blocked or infected by cyber-attack.

Versatile

Each DGT telecommunications system can be upgraded to support DGT Cyber Protektor. Having been specially developed to enable the user to keep most of the existing infrastructure, of upgrade significantly. Each new DGT system is equipped with the DGT Cyber standard feature.

Cybersecurity

DGT Cyber Protektor is perfectly aligned with the current 2017–2020 Cyber-Security of Poland. Despite the rapid increase in the number of cyber-threats, they are still ignored extent of risk is so great that each system (including systems that operate in the critical can fall victim to a cyber-attack. DGT Cyber Protektor ensures critical communication are secured against cyber-attacks.

Layered structure – multiple protection levels

The IP layer is protected in accordance with best practices. Nevertheless, it must be assumed to be infected or disabled. Therefore the DGT Cyber Protektor solution uses a layer based on a different technology. This layer can operate entirely autonomously, even if the IP layer is completely disconnected/disabled.

Technology redundancy

DGT systems use IP technology to provide multiple services and functionalities. also provided by means of a standard digital switching network, which is not available the right system architecture, available in DGT Cyber Protektor solution, we could redundancy. When the IP technology fails, the other technology maintains communication.

Open to future upgrades

Telecommunications is constantly evolving. New technologies are emerging, offering sometimes also carrying new threats. DGT Cyber Protektor is designed to enable expansion and integrate future technologies while maintaining the security of critical communications.

New functionalities

The DGT Cyber Protektor solution above all provides system security, but also modern (UC) functionalities, e.g. video calls, calls via a web browser and many others, previously users. This has been made possible by redesigning the system and providing it with and software.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet DJI



In 2016, DJI, the world's leading maker of unmanned aerial vehicles, in partnership with the European Emergency Number Association (EENA) have released a [white paper](#) sharing insights and best practices from a year-long project with the European emergency-response community promoting the safe integration of drones in emergency situations.

The results of Phase II were published in 2018 in the [Drone Efficacy Study!](#)

DJI is a global leader in developing and manufacturing innovative aerial robotics and camera technology for humanitarian, commercial and recreational use.

DJI's products and solutions have been chosen by customers for applications in inspection, firefighting, SAR, construction, film, farming, and many other industries. Professionals around the world trust DJI to bring new perspectives to their work and help them accomplish feats safer, faster and with greater efficiency than ever before.

With the release of the Matrice 200 Series aerial platform, DJI has provided a more capable drone for public safety missions. Equipped with both an aerial zoom and thermal camera, first responders can now quickly locate missing people in remote areas and plan the safest approach path. Learn more about the [Matrice 200 Series](#) drone.

EENA/DJI Partnership Overview 2018: [Working Together On Public Safety](#)

Report April 2018: More Lives Saved: [A Year Of Drone Rescues Around The World](#)

Report March 2017: [Lives Saved by Drone](#)

Saved By Drone 2018: <https://youtu.be/yoB2wd2NLRtE>



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Would you like to know more? Visit the company's [virtual booth](#).



Meet ER24

ER24 IS THE PREMIER PRIVATE EMERGENCY MEDICAL CARE PROVIDER IN SOUTH AFRICA.



We operate from 59 bases throughout South Africa and provide quality emergency response and pre-hospital care services, supporting both public and private hospitals.

ER24 is wholly owned by [Mediclinic Southern Africa](#) which represents the Southern African operations of Mediclinic International which is ranked as one of the top 10 private hospital groups in the world. It has 107 hospitals and clinics worldwide.

National emergency contact centre

At ER24 we have one national emergency number – 084 124 – operated through a state-of-the-art emergency contact centre. Highly trained and dedicated operators, using sophisticated dispatching software, mapping technology and medical databases, manage the centre 24 hours a day. This comprehensive support network enables us to customise solutions to meet our clients' individual needs.

Customised contact centre services

ER24 provides customised contact centre services for stakeholders to integrate their emergency protocols using our highly skilled staff and leading contact centre software. These services give our clients peace of mind that highly specialised help is available at the press of a button.

ER24 is the South African operator for [Vodacom](#) and [Cell C's](#) 112 Emergency Centres.

A dedicated Emergency Text Service specifically for the Deaf, hearing and speech impaired is operated through the ER24 112 Centre for clients on the Vodacom cellular network. The disability/hearing impaired service was developed by ER24 in conjunction with Mediclinic Southern Africa's ICT team and Tech Mahindra.

Operational solutions

Operational solutions include a fleet of over 300 rapid response vehicles and ambulances. The aeromedical fleet includes helicopter and fixed-wing air ambulances in strategically located areas to minimise flight response time.

ER24's Global Assist services extend the capabilities of the aeromedical fleet and industry expertise. ER24 Global Assist is connected to an expansive network of emergency service bodies in an integrated scene

management system which provides our global client portfolio with access to aeromedical evacuation services in Africa and abroad. The Site Based Medical Solutions division provides a medical assistance infrastructure to mitigate on-site accident risk hence minimising health and safety impacts.

For more on ER24's products and service offerings in South Africa and abroad, visit our website on <https://er24.co.za>



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Would you like to know more? Visit the company's [virtual booth](#).



Meet Esri

i Esri, the global leader in GIS (Geographic Information Systems), is forging new ground in the emergency call-taking industry with unprecedented investments in research and development on next generation 112 capabilities for better information sharing in and between PSAPs. Our platform provides a canvas for intelligent collaboration, operational awareness and cutting-edge capabilities that consume and manage sensor data, IP intelligence and the IoT (Internet of Things). PSAPs are using Esri to improve CAD and RMS solutions with new address database management tools and techniques for digital transformation of outdated analog methodologies.

Esri supports the PSAP with capabilities in address database management, geospatial tools for service area creation and maintenance, real-time analytics and field mobility... on any device, anytime, anywhere.

Esri's scientists understand 3D and have been solving z-axis challenges for years, including developing tools that assist in creating 3D building exteriors, 3D indoor floorplans with egress/access routing capabilities and 3D landscapes.

Esri is a proven organization with offices throughout the world that has been doing GIS for more than 40 years. A proven technology that brings clarity to location data and the ArcGIS platform offers a stable environment for designing and managing solutions with "out of the box" capabilities and a growing library of free templates and tools.

Esri • *THE SCIENCE OF WHERE™*



Mike King

112/CAD/RMS Global Industry Manager

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Would you like to know more? Visit the company's [virtual booth](#).

Meet Eurofunk

i Eurofunk is one of the largest system specialists for the planning, setup and operation of command centers and emergency call centers in the field of public safety as well as industry and transport. Our customers benefit from our holistic overview, comprehensive product portfolio and expertise in solutions. With our technologies and holistic system solutions our partners are optimally equipped to fulfil their professional safety remit. Alongside the best possible operational reliability, increases in quality and efficiency have utmost priority.

With this unique cluster of competencies, eurofunk is your 360° solutions company for all matters concerning command center technology.

As a forward-looking family-run company, we are a reliable partner with a team of over 500 specialists focused on providing you with a comprehensive and top-quality service.

The needs of our customers as well as our drive to develop modern technologies for sustainable use motivate us to shape the safety of tomorrow together with you.

So you can understand how we work:

- **360° Solutions:** We are not a conventional system integrator. On the contrary, we create a **fully integrated operation center solution** for you.
- **360° Products:** We are also not a pure manufacturer of singular products sold by third parties. All our products of our **most comprehensive portfolio** of specialized **operation center products** fit into an integrated suite.
- **360° Service:** We are not an anonymous call center operator, where you feel your requests are lost in the service operations in search of competent support between the “interfaces”. Furthermore, we offer you a **unique and personal** service, throughout the entire lifecycle of your custom solution.

Eurofunk solutions and product portfolio in detail

Command & Control

The **correct and reliable information, at the right time**, combined with experience, professional competence and thorough preparation are the success factors that make up an efficient and **high-quality operations management**.

Our solution is designed as an **open Operation Center ECO system** that collects, processes and enriches the **countless amounts of information** from a wide variety of communication and information sources, in order to make it available to all mobile and central agents in the form of an **information hub**. All current and future communication and alert channels can be embedded in a flexible and service-oriented manner into the overall system.

Communications

Secure communication for an operation center is **like the human central nervous system**. **Countless amounts of voice and data communication** content must be collected, processed, stored and re-routed to a wide variety of information recipients via a network.

In our fully digitalized world, we only talk in the strictest sense of **IP-based data** (with communication content), which we merge in our **Unified Communications Cloud** and store in a revision-proof manner. The real-time availability of all communication channels in a **location-independent** and networked system, guarantees the high-availability architecture as well as the integrated **free-seating principle**.

Our solutions allow you to embed a **wide variety of current and future communication media** in our solutions in a **flexible and distributed manner**. In the traditional sense, this ranges from emergency call processing (112), business telephony (VoIP/ISDN), analogue and digital radio or public address and intercom systems to video telephony, new social media or messenger services.

Multimedia Solutions

The **intelligent and comprehensive provision and distribution of video, image and sound information** from various sources is key, especially in an operation center.

To provide this, we will be happy to **plan multimedia collaboration systems for your operation center** – e.g. **video walls, video management software** or similar – which optimally support the sharing of information, regardless of whether they use internet streams, video images, TV or software applications. Using state-of-the-art management software, the dynamic layout on media walls can be individually designed, and video camera images from a wide variety of sources can be displayed there or at the individual workstation.

At eurofunk, however, we understand multimedia solutions to be much more than that. For our customers, **we integrate and design** all types of **acoustic and building management systems**, such as **station alarms** (incl. surveillance display solutions such as **eMID**) or building bus systems, seamlessly and IP-based into our high-availability solutions, in order to operate them automatically via touchscreen or in the operational process sequence.

Control Room Design

For us, the **operation center room**, the **integrated design** and especially the embedding of the **control center table** play an essential role in operating a control center.

That's why we are happy to advise and plan the **optimum control center room** with you according to your needs and equip it with the most state-of-the-art operation center equipment.

IT-Solutions

The availability requirements for **mission-critical operation center solutions require state-of-the-art IT platforms and data center architectures**, in order to be “online” at all times. Network concepts,

virtualization architectures, cluster technologies, load balancers, databases, monitoring, deployment and analysis tools, IT security tools as well as redundancy mechanisms from the modern IT world **must be consistently designed in perfect union with the operation center applications and services** and made available as an **All-in-One solution**, in order to master and manage the complexity.

As a competent partner, eurofunk is **ISO:27001** certified and we will be pleased to provide you with your operation center IT-Solution.

eurofunk 360° Service in detail

Our **24/7** service concept based on the **ITIL** framework offers you a contact person for your concerns around the clock. A **professional service desk** with technical support from technical experts, who provide **all three levels of support in one place**, is on call to ensure that you and your technical interface problems are **not left high and dry with different suppliers**.

With our **comprehensive field service**, we ensure that we can provide you with immediate on-site support in addition to our remote access technology.

Our **Customer Care Center** is the central dialogue and feedback partner for you, who, together with **Customer Consulting**, will advise you on your solution and all **your future challenges and opportunities**.



Volker Schulze Neuhoff

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Ford - Werke

About Ford Motor Company

i Ford Motor Company is a global company based in Dearborn, Michigan. The company designs, manufactures, markets and services a full line of Ford cars, trucks, SUVs, electrified vehicles and Lincoln luxury vehicles, provides financial services through Ford Motor Credit Company and is pursuing leadership positions in electrification, autonomous vehicles and mobility solutions. Ford employs approximately 200,000 people worldwide. For more information regarding Ford, its products and Ford Motor Credit Company, please visit www.corporate.ford.com.

Ford of Europe is responsible for producing, selling and servicing Ford brand vehicles in 50 individual markets and employs approximately 53,000 employees at its wholly owned facilities and approximately 68,000 people when joint ventures and unconsolidated businesses are included. In addition to Ford Motor Credit Company, Ford Europe operations include Ford Customer Service Division and 24 manufacturing facilities (16 wholly owned or consolidated joint venture facilities and eight unconsolidated joint venture facilities). The first Ford cars were shipped to Europe in 1903 – the same year Ford Motor Company was founded. European production started in 1911.

Emergency Assistance Overview

In the unlikely event of an accident, Ford's award-winning Emergency Assistance* feature is triggered by an airbag activating or the fuel pump being shut off. As long as the user's mobile phone is connected to Ford's infotainment system, the technology can use it to help make a direct call to the emergency services, giving them crucial information, such as GPS coordinates, and the ability to communicate with vehicle occupants. Emergency Assistance won "Best Mobile innovation for Automotive Transport or Utilities" at the 2012 Global Mobile Awards and a 2012 Euro NCAP Advanced Award.

[*] Ford Emergency Assistance operates in over 40 European countries. This feature works when paired with a compatible connected mobile phone that is with you when an airbag is deployed (excludes knee airbags) or a sensor that registers a crash deactivates the fuel pump.

Emergency Assistance Free Training Materials

Ford Motor Company has prepared a comprehensive training package to help call takers answer Emergency Assistance calls confidently and professionally.

The website is designed to provide call takers with information about Emergency Assistance: emergencyassistance.ford.com. You will find a Call Taker Training Video, Quick Reference Guide, Frequently Asked Questions, and downloadable reference information in multiple languages.

Educating to Help Save Lives

Every 112 Public Safety Answering Point is encouraged to share the website information with trainers and

call takers to help prepare them for potential Emergency Assistance calls, and to include this information in all new call taker training.

eCall Overview

eCall** is a potentially life-saving feature that's designed to reduce the time between a serious accident occurring and assistance being provided by the emergency services. In the unlikely event of an accident, FordPass Connect can automatically place an eCall to the emergency services and provide them with your vehicle's location. You can also press an SOS button in your car to contact the emergency services directly if you witness an accident or require assistance in an emergency.

[**] eCall is a European Commission initiative which mandates an in-vehicle system that calls emergency services if an automatic eCall event is activated by detection of a serious road accident, or if a manual eCall is triggered by a vehicle occupant.



Esra Demirhan

Emergency Assistance / eCall Engineer

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Would you like to know more? Visit the company's [virtual booth](#).

Meet Frequentis

i Frequentis safety-critical communication and information solutions leverage more than seventy years of experience, driving innovation throughout the company's history with many 'industry firsts'. For more than two decades, it has been supplying emergency services and critical infrastructure organisations with highly reliable, easy-to-use control centre solutions. Frequentis believes in user-centric design that considers the controller in all it does. As communication technology evolves toward more open and multimedia-oriented standards and platforms, the company is leading the way in defining and implementing these standards through active participation in industry organisations, such as EENA.

Highlights of the portfolio include:

ICCS 3020 (Integrated Communication and Control System) stands for secure and reliable voice communication in control centres. The ICCS 3020 efficiently connects telephony and radio functions with all associated data services, such as location data. The ergonomic and efficient operation makes it easy for users to concentrate on their tasks.

3020 LifeX™ is a future-oriented public safety communication and collaboration platform designed to satisfy all the demands of a next generation control room and its multimedia handling. Thanks to its sophisticated, modular architecture, 3020 LifeX™ can integrate a variety of systems using different protocols and can flexibly exchange or upgrade them without compromising ongoing operations.

Thorough documentation of all activities and events is a vital task for mission-critical control centres. The **DIVOS** logging system collects and archives phone and radio communication, while also capturing screens, giving operators and investigators easy access to securely stored information. DIVOS scales from single to distributed logging systems and provides powerful web services for full integration with other mission-critical information systems.



Reinard van Loo

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **GEDICOM**

i In 2003, GEDICOM invented an alerting system, the **first technology** that combined an automated calling machine, a database management system and a geographic information system. Today, the system offers a **multi-channel platform** that can broadcast messages in all following medias : vocal messages, texts (localized or not), social networks, notifications on apps, fax, e-mails, sirens, light panels, etc. Since 2015, the solution has enabled more than 8 million calls and dealt with more than 13 million people. This innovative technology serves as a tool for **mass communication to public warning** and tackles strategic challenges such as the responsibility in case of major risks. It can also help **mobilize the crisis unit and the field teams**, as well as give the opportunity to monitor the situation in **real-time**, using a state-of-the-art platform.

GEDICOM focuses on the privacy and security of its clients' data. The solutions provided by the group are all hosted in a **secure environment**, linked in each country by 2 redundant and autonomous datacenters. Phone lines owned by GEDICOM are dedicated solely to the alerting systems. Its capacities are in constant evolution according to the number of customers.

Founded by French entrepreneurs and composed 100% of French shareholding, GEDICOM prides itself in the quality of its team : **33 collaborators**, amongst which **11 engineers** develop and enrich the multiple services provided to a broad scope of clients. Private companies in charge of diverse fields such as nuclear plants or chemical products, but also public entities such as ministries, prefectures or cities... **More than 350 clients** have trusted GEDICOM to ensure a reliable and secure way to warn the population and mobilize the crisis unit in cases of emergency.

In the last 4 years, the group has known a significant growth (over 132%), backed by its strong development worldwide. Since 2017, GEDICOM is the provider of the national alerting system for the Belgian government : **BE-Alert**.

Today, GEDICOM is recognized as one of the leaders in crisis management and alerting systems and strives to achieve a worldwide development by providing the most up-to-date and innovative solutions.



Amélie Grangeat

Project Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Genasys



Genasys, currently part of LRAD Corporation, counts more than 20 years operating as a first range technology company with experience in **positioning technology** and **geo spatial analysis**.

Genasys is a leading provider of advanced location-based mass messaging solutions, mainly focused in Public Warning Systems

Our National Emergency Warning System, NEWS, is based in all our expertise gained in the deployment of critical solutions all over the world, having already been successfully proven, having sent more than 100 million emergency messages.

Mobile-Based Multi-Channel Public Warning System

A mission-critical, efficient, modular and scalable solution, which allows the use of multiple channels to:

- Maximize the covered population
- Minimize the time needed to send a warning
- Get the attention of the people
- Send the information in different ways to guarantee a correct understanding of the messages

Our multi-channel approach is key to reach all these objectives:

- Mobile network based solution to send located-SMS and Cell Broadcasting Messages: no need for any subscription procedures, as all mobile phones will receive the SMS. The Cell Broadcasting will be the quickest way to reach the compatible devices
- Mobile Application: to receive advanced warning content and to improve accessibility
- Integration of the LRAD Corporation Long Range Acoustic Devices: a great complement to the mobile based channels, to ensure that the population is warned even when mobile devices are switched off
- Integration of other communication channels compliant with the Common Alerting Protocol, CAP

End to End Solution

Genasys NEWS covers the whole value chain of a Public Warning System, fulfilling all needs of both Emergency Agencies and Telcos:

Highly Customizable and Flexible

NEWS can be totally adapted to the emergency management command and control hierarchy of any country, being able to integrate the different administrative levels and divisions, and to have different

kinds of users for the same level

Moreover, its internal structure allows the deployment of any requirements regarding the escalation of emergencies

Easily Integrated in Current SW Deployments of Emergency Agencies

Genasys NEWS offer multiple ways to be integrated into the existing emergency software stack, in order to achieve a more efficient deployment, minimizing the time and effort need to define and execute emergency warning campaigns.

Please, for more information do not hesitate to visit our website <http://lradx.com/genasys/>



Pablo Gómez
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Would you like to know more? Visit the company's [virtual booth](#).

Meet **GENERAL DYNAMICS** **Mission Systems**



General Dynamics Mission Systems is a business unit of General Dynamics, the global aerospace and defense company. We are a leading provider of mission critical C4ISR systems across the land, sea, air, space and cyber domains. We have an established global presence in secure communications and networking, command and control systems, imagery sensors and cyber.

Today, General Dynamics Mission Systems brings together diverse talents, histories and capabilities that resonate across our business. Our company has an established global presence in secure communications systems, command and control systems, imagery sensors and cyber products.

Part of that presence are key Public Safety and Security offerings that deliver integrated, mission critical communications systems for first responders and security forces that need the power of information at their fingertips. Known as the SHIELD Ecosystem, this solution gets the right information, to the right responders at the right time to saves lives. Delivering critical information to multiple agencies reliably, securely and on dedicated networks, is what SHIELD Ecosystem solutions are designed for.

Page Europa, a fully integrated business unit of General Dynamics Mission Systems located in Rome, offers the entire SHIELD Ecosystem. Coupled with solid experience in InfrastructureSHIELD – a robust and secure communications network that takes its inputs from different types of security and surveillance sensors and data fuses them together to give a higher level of situational awareness across multiple operations areas – Page Europa is the ideal partner for the provision of Next Generation integrated systems, where the convergence between security and safety is key, to support operations for “blue-light” organizations all over the world.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet Google



Accurate emergency location can be the difference between life and death. When emergency services get a call, they need to know the caller's location to send help and save lives. Today, over 70% of calls to emergency services come from mobile phones, but locating these mobile callers can be a major issue. In most countries, emergency location, if it exists, relies on cell tower location (which can have a radius of up to several kilometers) or assisted GPS (which can fail indoors, and suffers from urban canyon, multi-path, and weather reception problems).

To help address this issue, Google has created **Android Emergency Location Services**. ELS is a supplemental service that saves lives by sending enhanced location directly from Android handsets to emergency services when an emergency call is placed.

ELS is built into [Google Play Services](#) as part of the Android operating system, and works on over 99% of active Android devices (running Android OS version 4.0 /Ice Cream Sandwich and up). It uses the same location technologies available to apps on your phone, including cell, GPS and WiFi signals, as well as other smartphone sensors, to quickly estimate an accurate emergency location, both indoors and outdoors.

Benefits

- ELS is not a mobile application, and doesn't require any special hardware, downloads or updates.
- ELS is activated only when the user contacts Emergency Services, and upon activation, a user's precise location is never seen or handled by Google.
- Location is computed on the handset and sent to Emergency Services.
- Location data is sent via Data SMS (per AML specifications*) or HTTPS, which are both open, OS-agnostic protocols.
- ELS location is often more accurate and reliable than cell tower IDs.

Google will activate ELS once a mobile network operator or emergency infrastructure provider has built the necessary endpoint to receive emergency location. ELS is a free service; Google's goal is to make ELS available globally, to keep Android users safer and improve the state of emergency services around the world.

For more information, contact android-emergency-location@google.com.

* Note: AML is a protocol that was developed by EENA, British Telecom and Google that specifies how emergency location data is sent and received using the Data SMS format. ELS is Google's implementation for AML for Android phones.



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Would you like to know more? Visit the company's [virtual booth](#).





Meet Hexagon Safety & Infrastructure

i Public safety and security organizations need to achieve and maintain high levels of service, while managing the expectations of citizens, the mandates of public officials and regulators, and the impacts of new forms of technology. However, legacy technologies, budget and staffing pressures, a lack of technical resources, and resistance to change create challenges for emergency services and security teams.

By improving the quality, accuracy, and availability of critical information, Hexagon Safety & Infrastructure's integrated solutions for incident and event management, records management, and analytics increase public safety and security performance and productivity, while reducing the total cost of ownership for mission-critical IT investments.

Hexagon Safety & Infrastructure (formerly Intergraph SG&I) helps to improve operations and manage change intelligently and effectively. Our solutions connect organizations with the mission-critical and business-critical data necessary to make better, timelier, and more informed decisions.

As the global leader in computer-aided dispatch (CAD) software, our public safety and security solutions help protect one in 12 people around the world. With decades-long customer relationships, our solutions are trusted by thousands of organizations of all size and scope around the world.

Reliable, scalable, and interoperable, our solutions enhance capabilities, improve agility, mitigate risk for enterprise systems. In the operations center or in the field, on-premises or in the cloud, at a workstation or through a mobile app, our solutions deliver greater situational awareness and better results.

- **Safe City Framework – Connectivity, collaboration, and intelligence for safe cities**

No single device, application, or solution can make a city safer. Safe cities achieve transformational change by overcoming information, process, and technology siloes to enhance existing solutions and deliver entirely new capabilities and services.

To realize these benefits, cities must accommodate diverse organizations and IT environments. Hexagon Safety & Infrastructure's Safe City Framework offers flexibility, while advancing capabilities. It breaks down silos, supporting solutions that are practical to implement within a city's new or existing ICT infrastructure.

Safe cities and communities must not only protect people and property, but also economic activity, the environment, and the public perception of the city as a safe place to live, work, and visit. Safety in cities and communities depends on multiple services working with singular purpose on common objectives.

Hexagon Safety & Infrastructure's Safe City Framework brings critical information, systems, and organizations together to solve these challenges. Our Safe City Framework offers flexibility and breaks down silos, supporting solutions that are practical to implement within a city's new or existing ICT. Hexagon's integrated solutions and coordinated capabilities enhance a city's safety, security, and resilience functions to better manage growing demand and modernize service experiences. Independently assessed as the global market leader for dispatch and GIS software in control rooms, Hexagon is uniquely positioned to realize customers' safe city strategies through our extensive portfolio of solutions and domain expertise for vital public services.

- **Intergraph Computer-Aided Dispatch – Industry-leading incident management software**

Hexagon's Intergraph Computer-Aided Dispatch (I/CAD) is a broad suite of industry-leading incident management software. I/CAD features complete, integrated capabilities for call handling and dispatching, intelligent mapping, field communications, data reporting and analysis, and application integration. I/CAD enhances the quality and availability of critical information, providing a common operating picture for intelligent response.

With I/CAD, organizations can implement applications, interfaces, business rules, and workflows that meet their specific needs, from single agencies to multi-agency communications centers to virtual consolidations and hub-and-spoke deployments for agencies sharing common systems.

- **Intergraph Planning & Response – Manage the entire life cycle of major incidents and events**

Hexagon's Intergraph Planning & Response is a modularly structured application for managing major incidents and events. It integrates and coordinates resources, procedures, and communications for individual agencies or across jurisdictions and tiers of command.

Intergraph Planning & Response comprehensively fulfills incident command system (ICS) requirements. It harnesses the collective capabilities of diverse responders and provides a single source of information throughout the entire life cycle for safe, efficient, and effective operations.

Intergraph Planning & Response is the perfect strategic tool for command staff and special operations rooms that enhances situational awareness and the preparation, communication, and coordination of major incident and event operations.

- **Intergraph InSight – Make public safety analytics, crime mapping, and reporting easier and faster**

Intergraph InSight helps public safety agencies overcome the challenge of reporting and analyzing the large amounts of data created and collected from computer-aided dispatch and other systems. It creates a single data source, which users can explore, analyse, and share through interactive dashboards and reports. With this Hexagon solution, your agency can see your data in new ways for performance assessments, crime analysis, crime mapping, resource allocation, operational improvements, and more.

Intergraph InSight offers a multi-source data warehouse, unlimited data integrations, easy customization & configuration, on-premises or cloud deployment, clean, comprehensive and business-ready data, pre-built & custom reports & dashboards, spatial analysis & playback.

Intergraph InSight provides your agency with a solid foundation for accurate and reliable reporting and analysis, empowers your staff to run usable reports and analyses, and gives your leadership the critical information it needs to improve public trust.

Learn more at www.hexagonsafetyinfrastructure.com



Nick Chorley

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Would you like to know more? Visit the company's [virtual booth](#).





Meet HUAWEI

About Huawei <http://www.huawei.com>

i Huawei is a leading global information and communications technology (ICT) solutions provider. Driven by responsible operations, ongoing innovation, and open collaboration, we have established a competitive ICT portfolio of end-to-end solutions in telecom and enterprise networks, devices, and cloud computing. Our ICT solutions, products, and services are used in more than 170 countries and regions, serving over one-third of the world's population. With more than 170,000 employees, Huawei is committed to enabling the future information society, and building a Better Connected World.

By leveraging our strong R&D capabilities, comprehensive technical expertise, and continuous technical innovations, Huawei is committed to building an open, flexible, resilient, and secure platform in the enterprise market to orchestrate a sustainable, multi-win ecosystem. Following the guiding principle of Business-Driven ICT Infrastructure (BDII), Huawei teams up with customers and partners in joint innovations. By doing so, we help customers from a variety of industries – including government and public sectors, finance, energy, transportation, and manufacturing – stay ahead in the new ICT era, and jointly build a Better Connected World.

Huawei public safety solutions overview is as follows:

Building the world's first visual and converged command system

1. **Visualization:** visual on-site conditions and resources (police and emergency resources); unified command on the same GIS map
2. **Convergence:** converged communication methods – seamless video (video surveillance, video conferencing, mobile phones, and trunking terminals), voice (eLTE broadband trunking, TETRA narrowband trunking, and the Internet), and data (GIS and SMS) interaction across terminals; collaborative management of a single incident across agencies

Creating awareness, informative analysis, and diverse warning methods, enabling comprehensive security protection

1. **Awareness:** Huawei's all-scenario access network implements data backhaul from various sensors
2. **Analysis:** the collaboration among open smart cameras, IoT gateways, and video analysis platform featuring device-pipe-cloud incorporates industry-leading intelligent analysis algorithms
3. **Warning:** Comprehensive warning platform intelligently links massive numbers of sensors

Industry's unique distributed cache technology used in high-performance computing, setting up a leading cross-regional, multi-level shared video cloud platform that enables leads to be identified within seconds

1. **Cross-regional, multi-level sharing:** enables tens of thousands of users (such as police officers, government officials, and first respondents) to watch on-site videos concurrently

Establishing an advanced broadband trunking system that allows dedicated trunking and real-time video dispatching on the same network

1. **Dedicated trunking:** TCCA mission-critical standards, industrial-level design, IP67 protection, Ex ic IIC T4 explosion-proof certification, -40°C to +65°C working environment for CPE
2. **Real-time video dispatching:** a single base station supports the upload and distribution of 27 video channels
3. **Unified network:** one eLTE network replaces two networks (TETRA narrowband trunking and broadband access)
4. **Supports multi-platform mobile devices** to manage and respond to emergencies anytime, anywhere

Providing local delivery and a maintenance platform across more than 170 countries and regions.

1. **Global delivery and maintenance platform:** 3 global and 9 regional Technical Assistance Centers (TACs), as well as 45 logistics and spare parts centers, implementing delivery and maintenance across 170+ countries and regions
2. **Rich partner resources:** 100+ ICT partners, 550+ certified service partners, and 120+ authorized service partners

Success Story: Safe City Project for Kenya

This project created an all-in-one Safe City solution that combines call taking and dispatching, eLTE broadband trunking, video surveillance, and intelligent analysis (license plate recognition and traffic violation detection). Devices were provided to more than 10,000 police officers, enabling full visual command. On November 26, 2015, the project ensured security during Pope Francis' visit to Kenya.

For more information about Huawei's Safe City solutions, please visit the official website:

<http://e.huawei.com/en/solutions/industries/public-safety/safe-city/safe-city>



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Would you like to know more? Visit the company's [virtual booth](#).



Meet IABG



IABG is a **leading European technology and science service provider** with about 1,000 highly qualified employees in Germany and the EU.

The company builds on over 50 years of experience with the life cycle of technical systems covering vendor-neutral analytical, technical and operational solutions in the sectors **Automotive, Information & Communication, Mobility, Energy & Environment, Aeronautics, Space, Defence & Security.**

As a privately held corporation, IABG exclusively represents the interests of public and private sector customers and offers integrated, future-oriented solutions with impartial, competent consulting through technological excellence across industries and domains. The service spectrum for governmental bodies, authorities and organisations with security tasks covers extensive expertise to the breadth of issues vital to today's and future key emergency services requirements. It is the mission-critical environment which faces emerging new risks and technology development at a rapid pace, resulting in increasing complexities of information and communication technologies with its integration and interoperability challenges.

Command and Crisis Management Centres – predominantly command and control is about communications. We provide all services necessary to successfully plan, deploy, upgrade, and migrate or to consolidate Command and Crisis Management Centres for efficient joined-up emergency communications with citizens and between response teams. A thorough requirements definition along the operating processes, technology and staff, ICT-architecture design for multi-site and multi-agency deployments towards the test of implementation and operation support is accomplished.

Mission Critical Communications – we conduct network infrastructure and architecture planning, prepare procurement, integrate and support comprehensive, reliable and secure communication system operations including Professional Mobile Radio Networks (TETRA), robust Next Generation Emergency Services IP-Networks and Unified Communication solutions for our customers. Also mobile services like alert management for emergency services as an integral component for mobilising emergency forces are considered.

Geospatial-based Solutions – spatial information has become a mission critical requirement for any emergency services operation. Therefore, our range of services covers the acquisition, processing, analysis and the visualization of spatial information from any source in two or more three-dimensional vector maps, digital city models, terrain models and orthoimages to complement the operational picture for incident leaders. Services for remote sensing for geodata acquisition and inquiries across sensors and applications as well as photogrammetry are provided. Finally, command centres are maintained in their effort to assure geodata quality, plan and conduct geodata migration and also provide GIS solutions consulting in case of future upgrades.

Space technologies and services – emergency services processes are increasingly dependent on space technologies e.g. location, navigation, or network synchronization.

We support the engineering and procurement of hybrid satellite communication systems for our customers and end-to-end satellite solutions for secure data, voice and video communications are

provided for world-wide deployments and for short term accessible stand-by capacities in times of crises. With the Galileo satellite navigation system, the emerging “Public Regulated Service (PRS)” enables government-authorized users to utilize secure and reliable position and timing services to be used for sensitive applications and response staff will participate from a guaranteed service which is encrypted and designed with anti-jamming mechanisms. In-depth expertise is available to evaluate PRS requirements and viability analyses, to support receiver development, to provide secure test sites, as well as implementation and migration concepts into existing infrastructure e.g. key management can be executed.

Cyber Security – Transparent and adaptive security and risk management systems are crucial for any performance-boosting decision and management structures. Our experts ensure the introduction of an Information Security Management System (ISMS) with risk management in emergency services organizations. Security audits, crypto inspections and security appraisals (ISO 27001, BSI IT baseline protection) ensure a continuous support.

Technology Expertise and Procurement Support - Technology analysis and evaluation e.g. innovative ICT solutions or (counter)-drone and sensor technologies mapped with thorough requirements analysis and proof-of-concepts (PoC) enable customers to reduce time from innovation to operation significantly. We also ensure that our public clients prepare sound and economic proposals with a requirements definition and the tender preparation, including evaluation support, build-up the basis for a smooth transition with the selected supplier in the implementation phase.

Project Management & Training – guarantee a structured execution of tasks according to defined goals and expectations with proven and certified (GPM, IPMA, PMI, V-Model) project management experts.

IABG is pleased to present the following distinctive competences and accomplishments:

- *Trusted partner* - we are a reliable, independent partner of many organizations in the private and public sector including local and federal governments, police, fire and rescue services with a long lasting track record in the public safety market;
- *Public safety innovation* – we monitor, evaluate and certify innovative and standards-based secure communications solutions reflecting emerging risk and societal change for a continuous support of the emergency management cycle, to drive customer skills and capacities in mitigation, preparedness, response and recovery;
- *Holistic approach* - the success of our customer is our success. We provide vendor-neutral consultancy services with a broad competency spectrum to meet customer expectations;
- *First-class experience* - our experts accompany the planning, procurement phase, enable optimization of the networks, system engineering and reduce the risk of implementation end-to-end;
- *Reliable operation* – we ensure and improve operational processes and security measures of command centres and communication networks.

More information: www.iabg.de



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Would you like to know more? Visit the company's [virtual booth](#).



Meet IES Solutions



IES Intelligence for Environment & Security – IES Solutions (IES) is an Italian SME, based in Rome, Catania and Oxford, that designs, develops and delivers services and technologies for the Environment and for the Safety and Security of citizens.

The Company has a proven expertise in turning research into innovative solutions; thanks to the participation in several EC-funded projects, IES has gained a significant expertise in implementing solutions and evaluating the impact of ICT solutions in many different domains where data gathering, data interoperability, communication, alerting and an efficient visualization of information are key.

IES strongly believes in the power of interoperability for improving communication between authorities and citizens, particularly during emergencies. Pursuing this vision, IES has developed a suite of products called **JIXEL**, which is based on the CAP (Common Alerting Protocol), an XML data format originally developed by the OASIS Consortium. CAP has been adopted by the Italian Ministry of Interior as Italian national standard for exchanging data and ensuring interoperability between Emergency Control Rooms.

Jixel is a suite of Cloud solutions for the management of both daily business and emergencies. Jixel implements an intuitive Command and Control System, which allows a standard-based seamless sharing of information between actors, being them on the field or in Control Rooms.

Jixel offers real-time information using:

- Geography, localisation, dynamic maps
- Information about personnel and resources within the area of the event or approaching it, including their status and assigned task.
- Contextual information and potential risks in the area impacted by the event

Jixel automatically adapts to the data communication available in the area of the event, dynamically varying the in-transit data according to the available bandwidth. Thanks to a set of apps, Jixel can use videos created by both citizens and professionals using their smartphones.

Jixel is a complete web-based virtual Control Room, featuring tools for the visualisation of information, for data sharing and data management; it can be used on every class of devices, from PCs to smartphones.

Jixel aggregates information from on-the-field sensors, Open Data, Social Media and dedicated apps: for all practical purposes, it makes Big Data integrated in the framework **Smart Cities** and **Smart Government**.

Jixel is applied in 7 different solutions, specifically designed for **Cities, Regions, Agencies, Groups, Companies** and **System Integrators**, plus a specific solution developed for the **eCall** domain.

The platform implements all the needed information flows with four specialised products: between organisations (**SHARE**), within the same organisation (**MANAGER**), from sensors, apps and open data (**AGGREGATOR**) and with citizens (**ALERTER**).

JIXEL-ALERTER can also be configured for mass warning via the radio channel: in combination with the *JIXEL-RADIO* unit, it empowers the direct audio broadcasting of CAP alerts as sent by the alerting authority.

JIXEL also covers the Social Media domain with specific modules for information gathering, sentiment analysis as well as alerting.

IES supplied JIXEL to the Italian Ministry of the Interior – Fire Fighters Dept., which is using it all over Italy since 2014; the system currently covers 97% of the Italian Provinces and 98% of the population (May 2017).

In 2016, JIXEL has been supplied to the Regional Civil Protection of Sicily (Italy) implementing the GECoS system for emergency management and interaction with volunteers. Citizens can also be part of GECoS via the “Anch’ioSegnalo” App by sending alerts directly to the control room.

IES also provides services based on the analysis of EO-images for the assessment of the presence of asbestos in buildings, for the identification of burnt areas and for the assessment of susceptibility to fire.

Since 2017, IES is involved in a DG-ECHO project called ALPDIRIS, based on communication interoperability, which aims at improving cross-border mountain search and rescue between Italy and Slovenia.

IES has developed a CAP-based standard solution for the implementation of information exchange between PSAPs (Public Safety Answering Points) and with TPSPs (Third Party Service Providers) under the eCall initiative (L_HeERO project).

IES is also currently involved in a feasibility study on a Galileo-based population alerting service.

IES is member of the Advisory Board of EENA (European Emergency Number Association) and founder member of PSCE (Public Safety Communication Europe). It is an active member of the task-force of B-APCO for the development of the MAIT (Multi Agency Incident Transfer) protocol and is on board the Technical Committee of the OASIS (Organization for the Advancement of Structured Information Standards) Emergency Management standardization group.



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Would you like to know more? Visit the company's [virtual booth](#).

Meet **Innoseven Technologies**



JSC Innoseven technologies provides a wide range of services related to Public Safety Answering Points (PSAPs) and Call/Contact centers starting from feasibility studies, design and the technical solution implementation of the centers, organizational matters of such centers backing it up with the preparation of detailed technical, functional requirements and specifications and further support.

Innoseven technologies has deep experience in design of organizational processes, regulatory and legislative environment of PSAPs, interoperability of emergency handling agencies and is providing consulting services to PSAP organizations for implementation of the quality standards and processes based on best practices of the emergency handling field, EENA and ISO 9001 standards.

Innoseven technologies is an active member of the EENA organization gaining up-to-date knowledge and experience from the conferences, official publications and discussions with other members, partners and PSAP organizations.

Specialists of Innoseven technologies have gained huge experience in building IT solutions for Call/Contact and Emergency Response Centers (PSAPs) during long years in this industry from 2001. Specialists of Innoseven technologies have been managing project implementations, providing technical designs and work projects, installing and configuring various related equipment, software components and solutions, performing administrator and end-user trainings, performing solution testing and acceptance. Deep experience has been gained for the specification, design and implementation of various integration interfaces with other emergency and non-emergency agencies.

During the projects in Lithuania specialists of Innoseven technologies have gained huge experience in implementation of recent PSAP related services such as eCall services, AML, caller location based on Timing Advance and Round Trip Time methods and others.

Innoseven technologies is providing support and maintenance of the implemented systems in 24x7x365 mode with high SLA commitment (less than 4 hours back-to-service).

We are sales and service partners for Siemens SBT, Unify and Retia. Nevertheless our experience and knowledge is not related to the respective solutions only and Innoseven technologies is capable in providing services for a wide variety of different solutions from different vendors.



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Director

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Would you like to know more? Visit the company's [virtual booth](#).

iNNOVATIVE

Meet **Innovative**

Innovative Business Software A/S is a Danish company, which for more than 35 years, has built state-of-the-art **incident management software solutions** that have helped manage and streamline the most critical security operations at alarm receiving centres and control rooms, all over the world.

Our versatile **Innovative Security Manager™** platform handles critical security tasks, incidents and resources, providing a complete operational picture of the current security situation in real-time. In addition, ISM interfaces to multiple disparate systems, such as video management systems (vendor-independent), automatic fire alarms and access control systems and presents all alarms, incidents and tasks in the same user interface.

Innovative Security Manager™ key features:

- Alarm handling and incident management
- Task and resource management, including personnel app for task management
- Video integration and interactive floorplans
- Real-time overview of the security situation and indoors positioning
- Interactive map to locate alarms, vehicles and personnel
- Emergency management and coordination in real-time
- Documentation, reporting and big data for enhanced planning

Our customers include police forces, fire departments, 112, airports, private security companies, university campuses, hospitals, military and industrial facilities.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet Insta

Insta DefSec Ltd



Insta DefSec Ltd is part of independent and family owned Insta Group Corporation. Insta DefSec is located in Tampere, Finland and currently employees almost 300 safety critical software development professionals.

Insta DefSec provides its customers products, solutions and services for network-based command, control and communication systems, as well as for networking, security and data analysis. We also supply integration and maintenance services for critical systems in defence, security and public safety industry.

Insta Response™ for Emergency Management

The Insta Response™ product family builds up a genuine Next Generation Emergency Services system. It consists of two independent product suites that also integrate seamlessly together:

- *Insta Response Command Center for ERCs, PSAPs or command and control rooms*
- *Insta Response Field for field units*

Insta Response Command Center

Insta Response provides integrated command and on-call tools for both single and multi-authority emergency response center and command and control room use. Several sites can be networked in such a manner that work loads are automatically balanced and situational awareness is upheld among them. Insta Response has been designed to operate in real-time 24/7, under heavy load and to withstand a variety of fault situations.

The main functionalities of Insta Response Command Center are:

Contact Handling, Risk Assessment, Response Evaluation, Dispatching, Incident Monitoring, Co-operation and Informing, Public Safety Situation Picture and Reporting and Analysis.

The main “non-functionalities” of Insta Response Command Center are:

- *Seamless integration to various communication channels (e.g. PSTN, TETRA, email, SMS, automatic alarm systems)*
- *Service oriented architecture to support high availability and maintainability*
- *Supreme usability to support the operator in decision making when saving lives*
- *Decentralized data handling to enable reliable system scaling and load balancing*

Insta Response Field

Insta Response Field is a field command system that provides all the necessary information from command and control rooms to the field and enables seamless communication between command and control rooms, and other field units. Insta Response Field integrates with the other elements of the Insta Response product family. Field units can operate efficiently either by self-direction or under upper management control. When Insta Response Command Center is used at the emergency response and command center level and Insta Response Field in the field, both products provide the highest possible benefit.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet Inter Mutuelles Assistance (IMA)



The IMA Group develops, assembles and implements assistance service solutions for the shareholders and clients who use our services.

Whether in an emergency situation or for longer-term needs, IMA beneficiaries enjoy a extensive range of assistance services for automobiles, travel, property, health, personal services, international mobility, and customer relations and services.

Helping and advising people in facing the unexpected, anywhere in the world.

IMA was founded in 1981 by 3 leading mutual insurance companies (MAAF, MACIF, MAIF), which were later joined by MATMUT, Mutuelles des Motards, AGPM, and MAPA...

All of these shareholders are part of the social economy, and their primary ambition from the onset was to offer top-notch service to their policy holders. In line with its original purpose and history, IMA S.A., a company managed by a Directorate and Supervisory Board, is still headquartered in Niort (France) where it has maintained most of its activities.

IMA Group Core Values

People are at the heart of all of our business activities.

Respect allows us to understand each individual's needs and expectations.

Our **common commitment** is reinforced by our knowledge of the challenges and objectives to be met, and is based on a strong feeling of belonging to an enrichingly diverse and supportive Group.

Our **professionalism** is based on our know-how and our humane approach to service.

Our **efficiency** is guaranteed by the fact that we are prepared, responsive, flexible, rigorous and ethical.

IMA is an international Group with **19 different legal entities** located throughout Europe and in Morocco. All of the companies belong to IMA S.A., the Group's holding company (with a capital of €31,407K), and form an integral part of the Group's business dynamics.

Logistics and means deployed

- **+ 3.2 million** people benefited from our assistance services (1 person receives assistance every 8 seconds)
- **13.4 million** telephone calls
- **1,672,000** roadside assistance calls (1 intervention every 20 seconds)
- **152,380** vehicles rented
- **1,299,248** hours of home help
- **2,176** medical transportation (medical evacuations)

Network

- **55,000** professional service providers selected, in France and internationally
- **190** airline companies are regularly solicited, seven of which have established commercial and operational agreements with IMA
- **9,400** registered medical facilities (hospitals and clinics)
- **132** technical and medical correspondents
- Total staff* : **3,381**

IMA serves over **45 million** people

- **602** € million in consolidated turnover
- **11.5** € million in net consolidated income
- **2,041,674** assistance claims processed (IMA E.I.G. and subsidiaries) including 100,450 « Geolocation Emergency Calls/ eCall» claims including 41,451 medical claims
- **404,761** service requests handled by Inter Mutuelles Habitat (IMH)
- Over **65,000** sites under surveillance, **307,000** alarms processed and **15,800** interventions by private security and prevention agents managed by Inter IMA Protect
- **2.25** million service contracts with multichannel processing by IMA Technologies

Euro 602 million* in consolidated turnover for the Group.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet **International Public Safety**



International Public Safety is a boutique consulting firm in the Public Safety and Technology Sector.

Our Clients are governments, Public Safety agencies and companies providing technology for the Public Safety market.

Our Team is comprised of senior executives and consultants each of them having extensive experience in the Public Safety and Technology Sector.

Our Focus is providing expertise in strategy, technology, execution and operations, while creating lasting value.

Our Specialties are Strategy, Technology, Management, M&A, Programs & Projects, Operations, System Engineering.

We deliver strategies and concepts having a strong focus on implementation. Our work is characterized by an effective and efficient project work as well as active participation during the implementation phase. 112, airports, private security companies, university campuses, hospitals, military and industrial facilities.



Michael Justus

Partner

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Would you like to know more? Visit the company's [virtual booth](#).



Meet IPKOM



Established in 2008, Ipkom is a company where fresh ideas are interlaced with varied experiences of skilled workers. Our company pools experts with long standing experiences in the field of informatics and telecommunication. Our work is focused above all on idea realization and filling up newly formatted needs in the sphere where informatics and telecommunication interweave.

At Ipkom we offer a wide range of services and solutions, anywhere from simple to complex ones. Focusing our work on the area of public safety, we can rely on a great deal of experience in this field.

Our mission is developing new telecommunication / information techniques and methods. We realize that your business success relies upon quality information solution, therefore with our solutions we look after your needs and let you focus on your work.

Care for our customers is expressed by high quality support since our goal is to have content clients with long-term cooperation.

QUARK

Call-Taking and Dispatching communication center

Quark was designed specifically for critical use cases, which are subject by the public protection and disaster relief (PPDR) authorities. The Quark system offers a unique product solution which is designed with the goal to enable citizens to reach a 112 authority by using a legacy system based on Voice call, SMS, WAP, as well as the next generation communication systems such as VoIP, Video and eCall.

In critical environments, where every second counts, the solution that offers interoperability between emergency services and providing both voice and data information exchange, has the utmost importance in supporting the incident role. By providing software modularity, highest level of adaptability, open standard approach and architecture flexibility (distributed and cloud-based architecture), together with agnostic OS client installation, Quark as a Call-Taking and Dispatching systems has already been set as a Next Generation 112 system.

As a system, Quark has been in operational usage for many years as a central 112 management system in Slovenian Administration for civil protection and disaster relief, evolving from basic Call-Taking console up to a full scale communication center, which now connects local call-takers and dispatchers into a nationwide operational center. Quark achieves this by providing seamless voice and data experience through different regions, services and organizations (emergency units, fire brigades, police, intervention headquarters etc.).

Key features:

- Operating system agnostic clients (works in Windows, Linux, any other platform)
- Flexible server architecture
 - modularity of Quark system enables end user to set up own preferable, custom configuration
- Cloud based
- Distributed solution
 - local, regional or national level
 - interoperability of levels
 - redundant
 - 112 datapool feature, enabling external units to be a part of the system, as well as providing an additional form of data redundancy
- Seamless over-border communication (lightweight client for non-operators and API's for non-greenfielders)
 - Execution of Action Plan algorithms
 - action plan algorithms offer a rapid, user friendly access to an appropriate action plan for an incident taking place
 - hierarchical usage of location and event type
 - short action plan time to activation
- Operator working place customization
- Communication services and support for: CS voice, VoIP, radio, paging, SMS, AML, eCall, Video, GIS, WAP, local CRM databases,
- PSAPs for: SMS, eCall, redundant
- Operator diary
 - detailed user activity log
 - operator shift switch documentation
- General internal messaging
 - clear insight of internal communication between operators
- Statistical data and presentation
 - for all supported type of services



Bostjan Rupnik

CEO

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Would you like to know more? Visit the company's [virtual booth](#).

 ISKRATEL

Meet Iskratel



With more than 70 years of experience, Iskratel is the leading European provider of communications solutions for the digital transformation of the telecommunications, transport, public safety and energy industries. With its own R&D and manufacturing centres, over 900 employees and local presence in more than 30 countries, Iskratel combines experience and expertise with creativity and innovation.

Iskratel's public safety solutions are designed to provide officials with a complete and instant overview of activity on public roads, venues and spaces, allowing them to spot, handle or avert danger ahead of time.

112 solution complements existing emergency communications infrastructure with next-generation operational centres to increase public safety. Iskratel's PSAP (Public-Safety Answering Point) solutions fill in the gaps in today's public safety network and clear a simpler, more-efficient and cost-effective path for handling future emergency situations.

eCall Node is a scalable, flexible and future-proof platform suitable for upgrading existing PSAPs with eCall functionality. Providing advanced features eCall Node is also fit for cloud service models and the provision of value added services on top of eCall.

Safe City solution offers cutting edge, end-to-end security with ubiquitous network access, a convergent operations center and a video-surveillance management system. The solution integrates information modules and communications such as voice, video surveillance, geographical information system (GIS) and a variety of sensors to enable efficient emergency responses and inform tactical manoeuvres in various situations.



Gorazd Novak
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Would you like to know more? Visit the company's [virtual booth](#).



Meet Jaguar Landrover



Jaguar Land Rover is a company that brings together two much loved, highly prestigious British car brands. After Tata Motors acquired Jaguar and Land Rover in 2008, it merged the two marques into a single company and its success has flourished, with memorable vehicles and innovative technologies that add to a long-lasting legacy.

JAGUAR LAND ROVER INCONTROL

InControl is a suite of services and applications that connects you to your Jaguar Land Rover and links you seamlessly and securely with the outside world. Controlled by an Intel Multi-Core processor with High Speed Ethernet network through the Touchscreen, just like a tablet, InControl navigates accurately, keeps you connected and entertained, calls for assistance if required and more. Remote features connect you to your Jaguar from anywhere in the world via your smartphone. Driver Assistance frees you to enjoy your cars performance, whether you're parking in town or out on the road.



Paresh Pankhania

Telematics Programs Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Japan Mayday Service



“HELPNET” is the name of an Emergency Call Service for automobiles offering by Japan Mayday Service Co., Ltd. (JMS).

This service mainly consists of eCall and ACN, Automatic Collision Notification, and it covers the whole of Japan.

Currently, JMS is preparing for AACN, Advanced Automatic Collision Notification, together with auto OEMs to be introduced within a couple of years.

JMS was established in September 1999, inline with the “ITS Plan & 9 important goals” set by Japanese government in August 1996.

Although JMS is a private company, it was established with capital contributions from various companies throughout Japan, due to the high public nature of emergency call services.

Main shareholders are as follows;

- All of the car manufacturers in Japan
- Three major telecommunication carriers in Japan (NTT, KDDI, Soft Bank)
- Almost all of the major car navigation manufacturers in Japan
- Major Banks, Insurance companies, etc.

JMS started the “HELPNET” service in September 2000, and has been providing it for 17 years all over Japan. As of October 2017, one million vehicles are supported by JMS.

In Europe, #112 covers both Police and Ambulance, but in Japan, there are two different emergency call numbers: #110 for Police and #119 for Ambulance.

JMS is the only emergency call service provider that can connect the call to the most appropriate Police/ ambulance head office, and it can send accident/vehicle data and voice calls to 52 police and 733 ambulance head offices all over Japan through its leased line network.

At the AECS 3rd meeting held in February 2014, the Ministry of Land, Infrastructure, Transport and Tourism introduced JMS as “the PSAP in Japan”.



Ichiro Ando

General Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet LIS (Leitstellen-Informations-System)

LIS is a software company with over 30 years of experience in the field of security.

i Our software LIS SP - Service Plus - offers a broad, modular and integrated range of products for all agencies, organizations and institutions with security tasks such as fire brigades, ambulance services and private security companies.

We support CAD - computer aided dispatching - with interfaces for alerting, reporting, the management of tools & devices, staff and extensions for a billing systems.

All tasks & processes of an organisation can be handled in one system. The modular system design allows for increasing or changing requirements. Data used already in one module can be used immediately in other modules.

With appropriately configurable interfaces, the modules of the administration can be coupled with CAD systems of 3rd parties.

A short list of our software modules:

- * CAD with interfaces to 3rd party systems
- * Disaster Management
- * Interfaces to / from other control systems
- * Interfaces to third-party alerting systems
- * Reporting & billing
- * Staff management & roster
- * Management of tools & devices, maintenance of devices
- * Documentation of daily events during a shift, tasks & events
- * Statistics

We develop individual adaptations and solutions based on the existing standard solutions and thus offer a high degree of investment security.

Your solution - from a single source

Since there are many standard solutions, one of our main goals is to customize our solutions for your special & individual requirements. For detailed information or requests visit our [homepage](#) or contact us directly.



Arno Tiemeier

CEO

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Would you like to know more? Visit the company's [virtual booth](#).



Meet MDGo

MDgo is building the bridge between connected cars and the healthcare industry.



MDgo is set out to utilize AI in order to deliver medical insights from the vehicle to medical services starting from emergency events and all the way to well-being. By utilizing the vehicle's existing sensors and connectivity (dongle, telematics, e-call) our AI algorithms create a medical report regarding the type & severity of the passenger's injuries (AIS) in case of a car crash. This report can be delivered to PSAP's and trauma units automatically.

MDGo seeks strategic collaborations with CAD providers and PSAP software providers in order to embed its real-time medical insights into existing systems.

Currently, MDGo is deployed and integrated to the Israeli single medical PSAP. MDGo ****does not charge**** the medical side (PSAP, trauma units) for this service.



Shahar Samoelov

Vice-President Business Development

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Merkator



Merkator nv/sa, based in Belgium, has become one of the leading consultancy companies to provide advice where geo-related workflows cross your business needs. Geolocation and GIS have become crucial components in almost any business environment. Merkator is focusing on specialized markets such as Public Safety, Smart City and Utilities & Communications market. Merkator's consultants have expertise in all leading Geospatial players worldwide and we often combine multiple Geospatial software stacks to offer personalized solutions for our customers.

With the growing Geospatial needs for Emergency Control Rooms we are consulted more and more to provide market scans, RFP guidance, change management and implementation services for all Nextgen security and emergency related initiatives. Just in the CAD software playing field, we have more than 100 years of practical expertise.

At present Merkator employs 65 highly trained professionals in the Benelux Geospatial IT-services & software market and we accept new consulting assignments throughout Europe.



Geert De Coensel

CEO

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Microsoft

Keeping Our Cities and Communities Safe



A common operating picture and real-time information are critical for enabling first responders to provide a proactive, coordinated, collaborative and informed response to protect the citizens they serve.

Over the past decade, rising threats of terrorism, organised crime and challenges to public order, malicious use of social media, the advent of cyber-crime, as well as all crime sets have underscored the vital role police, fire and rescue, mountain and sea rescue, and civil defence officers play in managing public events from a local football match, to music concert or an international athletics competition and ensuring public order during times of unrest.

Meanwhile, natural and man-made emergencies and disasters are increasing and can occur anywhere and, on any scale, from a house fire or motorway accident, to a regional flood alert to an earthquake impacting an entire country. However, first response organizations are under increasing pressure to cut costs, even as they reduce response times and often while coordinating their activities with those of other agencies, both in the control room and on the ground.

Due to first responders operating in this complex and ever-changing working environment, it's essential that they maximize their operational effectiveness and efficiency and do so within increasing resource and budget constraints. This is particularly apparent as governments are implementing austerity measures at all levels and guidelines for first responders that require them to review their operational and resourcing models, organizational structures, and cross-agency collaboration with the challenging objective to improve levels of service while reducing operational costs.

First responders can best mitigate the risks of local emergencies and national disasters when they have access to a common, dynamic operational picture and real-time intelligence which can collectively help them plan, manage, make informed and timely decisions to enable them to respond to man-made and natural disasters in both urban and rural areas. When first responders can communicate and collaborate in real time, both within and between crews and organizations, they are better prepared to coordinate their responses and act in a timely manner and they enhance their ability to save lives and mitigate damage to property and infrastructure.

Microsoft and our partner cloud and mobile solutions such as Mobile Patrol, Video Management, Call Centres (PSAP), GIS, Computer Aided Dispatch and Records Management Systems, together with Data/AI and IOT technologies such as body-worn cameras, CCTV, drones and sensors can significantly help improve operational effectiveness and efficiency for first responders and law enforcement.

On-premises and cloud-based solutions, enabled by technology from Microsoft and its partners, help coordinate response and enable real-time information sharing across agencies, breaking down silos, enhancing real-time communication and collaboration, and deepening citizen interaction to share intelligence and proactively accelerate intelligence-led lifecycles.

Furthermore, in the advent of social media and mobile apps, first responders can both receive immediate insights from the public as well as using these latest technology mediums to send out notifications and

mass warning alerts to the public in both urban and rural areas.

Unified communications technology can help to automate the management and sharing of inbound incident-based information across multiple agencies. It can empower staff from multiple agencies, assembled for incident response operations, with the familiar tools they use to support their other daily operations. The broad use of Microsoft technology across agencies provides a level of familiarity with solutions to help ensure that responders can leverage the capabilities they rely on every day.

Another important consideration is to minimize learning time for responders and operators by providing familiar communication and collaboration tools that assist rather than impede effective response. Furthermore, first responders can share information with enhanced-security and mobile features to collaborate in real-time within and between multiple agencies, as well as on route and at the scene of the incident.

If you would like to learn more about how Microsoft-based Coordinated Response, Intelligence-Led Policing, Citizen Interaction and Digital Officer solutions and technologies.

For additional information please contact [Dr. Andrew William Hawkins](#) or [Kirk Arthur](#) or go [online](#) and visit our worldwide government website.



Andrew Hawkins

Managing Director, EMEA Public Safety and National Security

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Would you like to know more? Visit the company's [virtual booth](#).

Meet **Mobile Arts**



Mobile Arts provides location solutions to mobile operators. The Mobile Location Centre supports location of mobile devices in GSM, UMTS, LTE and CDMA networks using a wide range of control plane (Cell-Id, Enhanced Cell-Id, Assisted-GNSS, OTDOA), user plane (SUPL A-GNSS) and passive location methods.

The 35+ customers are distributed over 10 time zones in Europe, Asia, Africa and the Mid-East, and include operators in the MTS Group, Vodafone, Reliance Group, 3 Group, Tele 2 Group and TeliaSonera Group.



Peter Sjögren

VP Research and Development

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **MOTOROLA SOLUTIONS**

A Smart Choice Today Will Prepare You for Tomorrow

i A more powerful, Next Generation Integrated Command and Control platform is here. And it's backed with Motorola Solutions' years of proven mission critical experience and innovation. Within the information flowing between the public, responders, and agencies, it is the intelligence that builds a safer city. We'll help you collect more of it, make it actionable and securely distribute it across mission critical devices and easy-to-manage networks. Our solutions will transform the way you respond and help build a reliable, standards-based operational environment – on your terms – so you can focus on your mission.

Expertise That Helps You Prepare

Today, command and control operations are taking centre stage. How do you keep up with the rapidly changing technology landscape and the expectations that come along with it? How do you drive greater efficiency into your operation? Where do you begin? We can help you identify what you need – infrastructure, applications and resources – and map out a plan to integrate the next generation technologies that make sense first, evolving into a fully integrated platform over time. To begin this process, we'll help you consider how to:

- Handle new non-voice information without overwhelming staff
- Integrate and enable innovative new applications
- Create more intelligent, intuitive work flows
- Manage and secure all data sources, including devices
- Train personnel on new incident management procedures
- Enable interoperability and data access outside your operation
- Support and update networks, hardware and software cost-effectively
- Ensure that new and legacy systems work seamlessly together



Anji Curry
Director

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **MVM TEL**



In disaster situations the functioning telecom networks are of vital importance. Loss of telecommunications can completely paralyze rescue operations. However it happens many times that even dedicated public safety networks fail in emergency situations. That is why an alternative communication system is an absolute necessity for every civil protection organization.

APM-40 system is an excellent complement to the existing system of public safety telecom networks. APM-40 allows for a rapid deployment of voice communication network in disaster affected areas even when all other infrastructure (telecom, critical, electro-energetic) is down.

APM-40 is a fast and reliable solution for establishing a comprehensive telephone network quickly and simply. All you need is a pair of copper/steel wires (filed wire) and several APM-40 telephone terminals. Each APM-40 terminal represents a simple building block of the network and is strung along wires up to fourteen (14) kilometers long. APM is a fully decentralized system. Each APM-40 telephone terminal has embedded PBX and MUX functionality, which means you can gradually build a network of two to forty telephones without any need for a centralized unit.

The network makes it possible to carry on seven duplex voice conversations at the same time over one pair of wires (field wire). It also allows conference and broadcast calls, and features many PBX functionalities. Due to extremely low power consumption, the APM-40 can work with a set of standard AA batteries for many weeks. Optionally can be powered locally (small solar panel or batteries), which ensures total independence from the electricity network.

Furthermore, it is possible to make connections (via a special APM-40/I gateway unit) to another APM network, to a PSTN network, and to radio networks.

All of these features make APM a comprehensive, easy-to-install, and easy-to-use means for establishing a voice communication network under exceptional circumstances. Quickly established and efficient communication between disaster relief forces enables them to fulfill their responsibilities to alleviate the suffering and damage caused by disasters such as floods, earthquakes, and hurricanes.

The APM-40 system also has many applications in other fields: field hospitals, fire brigades, refugee camps, large construction sites, tunnels, underground garages, mines, caves, scouts, sports, and other major events; wherever wireless communication is not possible, not economical or not enough reliable (jamming, saturations).

See videos:

<https://youtu.be/46zL0rv3Tm0>

<https://youtu.be/EyZ6m7D06Yw>

ABOUT OUR COMPANY

MVM TEL d.o.o. is a leading provider of innovative niche telecom-market solutions for telcos and public safety organizations (mission-critical). Our team builds on almost thirty years of experience in R&D and very close cooperation with end users. Our expertise lies in xDSL, G.fast technologies, fiber optics, remote power feeding, and other areas. Our systems are carefully designed for ultra-low power consumption and can therefore be powered remotely or via batteries, solar panels, and other options.

In the world of telecommunications, everything changes—and it changes fast. We have not been simply a silent observer of the migration from the old circuit-switching world to new-generation IP networks. We participated with many solutions that made the transition easier for our customers. Now we're focusing on solutions for delivering premium Triple Play services over a hybrid fiber/copper access network on the one hand and dedicated wireline solutions for public safety networks on the other.

We're dedicated to providing the best quality, value, and service to meet our customers' needs and to make their business a success, always coming through for them.

<http://www.mvmtel.com/>



Matjaz Serazin

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **NOMADEEC** by Exelus

NOMADEEC : THE FIRST MOBILE TELEMEDICINE PLATFORM

i NOMADEEC is the first integrated, connected and mobile solution for clinical examination for all field practitioners.

Adapted to many different scenarios, NOMADEEC is the medical link between a remote doctor (medicals PC, family doctors or experts...) and the field-based practitioners (emergency doctors, paramedics, rescuers, firefighters, nurses...).

It allows to:

- Optimize the quality of prehospital care
- Provide medical tele-expertise
- Combat against medical desertification and useless hospitalizations

COMPREHENSIVE DIGITAL ASSESSMENT FOR REAL-TIME TRANSMISSION

Field practitioners are equipped with a mobile and light telemedicine solution.

The NOMADEEC interface offers a large range of customizable modules allowing to set up a comprehensive patient assessment or clinical exam (according to the user profile):

- Digitized ABCD assessment
- 12 or 18L ECG capture - with advanced interpretation
- Emergency scores
- Trauma assessment
- Photos and video recording
- Video conferencing
- Ultrasound
- Automated reports and mails

NOMADEEC is easily interoperable with any existing patient data system or medical equipment through standard formats (HL7, XML, ...).

ENHANCED COLLABORATION FOR REMOTE PHYSICIANS

Assessments are consulted by remote physicians through our Web Application NOMADEEC TelExpert. It has been co-developed with EMS personnel, with highly intuitive interfaces.

This interface encompasses all relevant data at a glance, such as vital parameters, photos, videos, 12 or 18 lead ECG, etc... and videoconferencing, to make the best remote decision.

Our cloud platform respects the latest security standards of telemedicine and data privacy (SSL, AES256, ...).

BENEFITS

- Reliable solution deployed on 25% of the EMS dispatch centers in France
- Improves the efficiency of care delivery, patient outcomes and reduces costs.
- A global solution to fight against doctor shortages and medical deserts.
- Prevents avoidable hospitalizations.
- Provide reliable data for medicolegal archiving and/or research purposes.

TAILOR MADE PROJECTS

The NOMADEEC team's medical and technical skills are at your disposal to help you design your telemedicine project. Our experts will help you to draft technical specifications and design the tool most adapted to your needs. We put particular focus on patient, user experience (intuitive and easy-to-use) and on change management, as they are essential to make your project a success.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet **NotrufPlus**



NotrufPlus - the barrier-free direct emergency call

At the University of Applied Sciences in Brandenburg (THB), the emergency call situation in Europe is being researched as part of a project. It should be noted that the accessibility for people with and without disabilities, the location detection and transmission as well as the direct accessibility of the PSAPs, especially in connection with the actual technologies such as VoIP and VoLTE, require new implementation approaches.

According to research, network-based routing, especially in administrative border areas, as well as the expense of the number-based assignment to the responsible PSAP are currently problematic. In addition, the different emergency call numbers unsettle, in particular foreign citizens. But transnational emergency roaming is also associated with high demands on the network operators, such as required interface adjustments. Thus, even the currently prioritized methods such as AML and the integration of the position data in the SIP header are not a comprehensive solution to the problems. In this case, only the location data and any additional information is transmitted, the reception can only be made possible by other hardware. Nonverbal communication, e.g. a chat is not possible.

Together with the BSN BürgerServiceNetz UG and in cooperation with representatives of disabled persons, a system has been developed that fully meets their requirements. This is the “barrier-free direct emergency call - NotrufPlus” to the PSAPs 110 (police) and 112 (rescue service and fire brigade) and if necessary also to others: www.notruf.plus

In a pilot operation with the PSAP Brandenburg, the application has been successfully tested by people with and without disabilities since 31.08.2017.

NotrufPlus is a turnkey solution where there is no more need to spend a lot of effort on development. And it is precisely the routing and the simple integration and operation in the PSAP that distinguishes NotrufPlus. This is the problem that has hitherto caused all barrier-free emergency call developments to fail.

The new feature of NotrufPlus is, that the mobile network is only used as a transport medium for data transmission and communication in conjunction with a geographic routing method.

To this end, novel solutions have been developed and several patents are pending.

The NotrufPlus system consists of the NotrufPlus app, the NotrufPlus server and the Web client within the NotrufPlus communication system.

Already today, NotrufPlus can do what is desired in Europe for the future of the emergency call. No matter where they are in Europe, people can be provided with a custom-made application.

Key points of NotrufPlus are:

- The NotrufPlus system with a novel geographic routing method (not number-based)
- The provision of a free app (Android, iOS) for barrier-free use (currently for test users, soon to be freely accessible)
- Selection and routing of the emergency call via a category selection (call number does not need to be known)
- Communication with and without voice connection
- Transmission of the location data determined with the app as well as the presaved personal and medical data
- The location-based geographical assignment of a caller to the responsible PSAP, also abroad (roaming)
- A web client for PSAPs to handle emergency calls and to be included in the existing PSAP-software
- The automatic retrieval of messages from the emergency call communication server by the Web Client
- A chat feature
- Emergency call message from generated SMS, if no data transmission is possible
- Optional Emergency call fax in addition to the emergency call message
- Transfer of pictures and videos
- The transmission of web links to the caller (for example, for the instructions for resuscitation)
- Consideration of the wishes of the users and the PSAP dispatchers
- Ensuring data protection



Manuel Eckert

Systems Architect & Developer

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **One2many**

i **One2many is a European based global vendor of standardized nationwide Reverse 112 solutions for governments and telecom industries.**

One2many's unique domain expertise, products, technology, experience and methodology has resulted in industrywide recognized examples on how to implement national public warning successfully.

One2many's mission critical product portfolio includes multi-channel Alert Control Centers, CAP Alert Gateways, Mobile Broadcasting technology products like Cell Broadcast Centers and eMBMS; for secondary alert channels our products support social media, mobile apps and SMS gateways. All one2many products are inhouse developed, maintained, managed on cloud or provided in-network, with intellectual property rights 100% owned by one2many resulting into high quality projects with short delivery times.

Headquartered in the Netherlands, with support offices on 4 continents, with a world-class team of different nationalities available around the clock to support our customers. One2many enjoys 20 years of experience in high profile, mission critical projects, with over 80 installations, at 50 customers in more than 30 countries. The company has close relationships with all mobile network infrastructure companies, major SIM vendors, leading handset manufacturers and industry standardization organizations, and has a unique combination of both theoretical background and practical experience in public warning. This has resulted in the most mature and innovative Public Warning products available in the market.

Last but not least, one2many is an award winning active member of standardization bodies like ETSI, 3GPP and ATIS (CMAS) significantly contributing to the standardization of public warning worldwide.

One2many's credentials:

- is one of the most internationally experienced and respected Reverse 112 solution vendors; at customers, handset manufacturers, network equipment vendors and standardization bodies.
- has more than 20 years of experience at tier 1 mobile operators with subscribers ranging from 5 to over 70 million each.
- has the most mature Cell Broadcast product available in the market.
- product design paradigms are based on high availability, high performance, interoperability with every major product from every major vendor, open standards, cloud and NFV ready.
- is very actively involved in standardization committees like ETSI, 3GPP and ATIS (CMAS/WEA/eWEA).
- contributor and editor of ETSI's EU-Alert standards.
- winner of the 2015 ATIS Outstanding Achievement award for its contributions to the CMAS standards.
- has a unique combination of both theoretical background and practical experience of running nationwide public warning services on all continents e.g. in The United States, The Netherlands, Taiwan, Philippines, Chile, UAE and New Zealand.
- has strong company values for social responsibility and business ethics.

Vision & Mission

Cell Broadcast is already the dominant mobile network technology for public warning with successful implementations in leading high-tech countries including Japan, South Korea, United States, Canada, United Arab Emirates, The Netherlands, China, Russia and New Zealand. Mobile phone users will surpass five billion by 2019, Cell Broadcast is supported by default in all handsets since 2012 without any configuration, is 3GPP standardized and constantly improved and adopted for the latest network technologies, 4G and 5G.

It is one2many's vision and mission to facilitate every EU member with best-in-class, cross-border, uniform and standardized Reverse 112, ultimately guiding citizens to safety.



Manuel Cornelisse

Chief Sales Officer

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Would you like to know more? Visit the company's [virtual booth](#).



Meet OnStar



OnStar is the world's leading provider of connected in-vehicle safety and security services to over 7 million subscribers in the United States, Canada, China, Mexico and Europe.

The telematics system is imbedded in the vehicle and combines cellular communications, global positioning system (GPS), satellite location and live human interaction with OnStar advisors to provide assistance to people in need. It offers Automatic Crash Notification, a red SOS button for emergencies, a blue OnStar button for non-emergencies and a white voice command button. There is also a toll free number customers use to request vehicle unlocks and Stolen Vehicle Assistance.

OnStar has been a trusted partner of emergency services (including emergency dispatch, law enforcement, fire and rescue services) in the US and Canada for over 20 years. Our unique approach to this relationship is to work with emergency services, doing what is best for those in need with open lines of communication. This collaboration resulted in enhanced processes for handling and triaging emergency calls. This helps streamline the interaction between emergency service personnel and the OnStar advisor, which minimizes impact on the finite number of emergency responders and resources.

OnStar Europe Web Site: <http://www.opel.com/onstar/onstar.html>

OnStar US/Canada Public Safety Web Site: www.onstar.com/publicsafety



Catherine Bishop

Global Emergency Outreach & Strategy Manager

Catherine.Bishop@gm.com



Would you like to know more? Visit the company's [virtual booth](#).



Meet Opencode Systems



Opencode Systems is a telecommunications solutions provider, dedicated to open systems for All-G and Telco-over-Cloud mobile networks.

Opencode also offers its customers a patented mobile network technology that is invisible to consumers but underlies many of the mobile services they use.

Opencode iCell Broadcast Center (iCBC) provides Public Authorities and Service Providers with Early Warning Mass Broadcast capability over 2G, 3G and LTE mobile networks. Critical safety information can be broadcast to mobile users in certain geographical areas of interest. The broadcast reaches millions of users simultaneously over all the country's mobile networks. Opencode iCBC has been deployed with customers in Europe and the Middle East.

Opencode is the builder of iSDP, the Super Telecom Application Server (Super TAS) that runs hundreds of complex network applications while radically reducing time-to-market and operation cost. Opencode iSDP is the market leading service delivery platform and preferred choice for the open and creative mobile network.

Using in-house developed technology and unrivaled feature sets, Opencode is a leader in several telecom areas such as Multi-Channel Service Delivery, Core Network and Media Intelligence. Several inventions in those fields are patented by the US and EU patent offices.

Opencode has delivered telecommunications solutions to over 60 active mobile operators in 40 countries including to Vodafone, Orange, Telenor, Ooredoo, Etisalat, Zain, Smart Communications and many others.

Infrastructure vendors including Ericsson and Nokia are also among Opencode customers.

Opencode has staff of 170 engineers worldwide with the main offices being in Bulgaria, France, Malaysia and Tunisia.

More info at www.opencode.com



Venci Evangelatov

E-Business and Marketing

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Orbita



Orbita Consultancy Limited (Orbita) is a UK-based company, founded in 2011, with the primary objective of assisting organisations to deliver exceptional customer service. The company builds on over 20 years of experience with contact centres, covering a wide range of industry sectors from an emphasis on the emergency services through retail, travel, utilities and finance to central and local government.

Orbita's heritage spans more than 30 years – creating the availability of a renowned pool of talent and access to highly effective, bespoke techniques for contact centre design, implementation and review.

Orbita is accredited by EENA and has already assisted with quality assessments of European providers of emergency call handling services.

Key services include:

- **EENA – Accredited Consultants** and Quality Assurers – associate member of the EENA Team;
- **Operational Review and Improvement** – comprehensive review of contact centre design, operating processes, technology and people, producing a road map for change. Providing support and expertise to successfully implement change and manage the process.
- **Location Services** – using various authoritative information sources to analyse the pros and cons of candidate locations for contact centres (emergency services); then conducting a detailed evaluation of short-listed sites in order to recommend the way forward.
- **Workforce Planning (WFP)** – forecasting the volume of contacts by season, month, week and intra-day; and generating the necessary capacity plan (required staffing) in order to respond to contacts within service targets (emergency services typically require 95% of calls to be answered in 5 sec).
- **Contact Centre Solution Delivery** – implementing the operational and technical solutions; recruiting as required.
- **Benchmarking** – using our own data and internationally recognised sources to provide a detailed benchmark of contact centre services, covering: performance, competitive comparisons and leading practice.
- **Emergency Call Answering Services** – review of cost per emergency call to determine value for money, operating model design, technical architecture definition, delivery of capability, performance review and improvement.
- **Programme & Project Management** – we are always ready to deliver our consultancy recommendations; and have a successful track record of doing so – to the required standards, e.g. Prince 2.
- **Procurement Management** – working with the client to define requirements, shortlist suppliers and conduct a formal procurement exercise with auditable evaluation and then mobilising the selected contractor.

- **Bid Management** – working with outsource service providers to create the most applicable response to complex opportunities.
- **Business to Business Relationships** – ensuring new business relationships are set-up and managed correctly and providing a reconciliation service to rectify problem business relationships.
- **Business Continuity & Disaster Recovery** – working in accordance with ISO 22301 and BS 25999 – creating the requirements, delivering the plans, implementing the solution and then implementing the necessary tests and assurance.



Paul Hatfield

Managing Partner

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Permis de Sauver**



Founded in 2015, Permis de sauver specializes in the design and operation of Emergency and Safety Mobile Apps.

One of the company's mission is to significantly increase chances of survival by drastically reducing emergency response time and providing emergency equipment mapping (defibrillators, pharmacies, hospitals...).

The principle is simple, any trained rescuer can download the mobile App Permis de Sauver free of charge and register himself/herself as a first responder volunteer. In addition, Permis de Sauver's web platform is made available to PSAPs. The victim or the witness of an accident dials the conventional emergency call number (112 for instance). The PSAP operator can geolocate through Permis de Sauver's web platform the first responder volunteers in the vicinity of the accident and can decide to send a push notification to one or several of them to intervene. The volunteer who accepts the call out is GPS guided to the accident scene to provide first-aid to the victim until the conventional EMS agents arrive on site and take over.



Abdel Bounia

Associate

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Priority Dispatch



Priority Dispatch is the global leader in emergency dispatch protocol products, including software, training and services. Priority Dispatch has developed a comprehensive, systematic approach for triage systems for emergency call taking centers. The Priority Dispatch System® (PDS®) includes robust solutions for police, fire, medical and nurse triage call taking and is used in 46 countries and available in 22 languages. The PDS software solution, called ProQA®, is the most complete emergency call taking solution in the industry. ProQA software greatly simplifies the dispatching process and improves the quality management of the center. It has a customizable format that seamlessly integrates with CAD (computer-aided dispatch) and phone systems. The ProQA software leads the call taker through a structured interrogation sequence, displaying each question individually with specific answer choices, then prompts the call taker for a response and, based on input, assigns a patient condition code and recommends a response assignment. Prioritizing emergency responses helps avoid inappropriate response allocation and inappropriate use of lights-and-siren. In this way, the PDS not only saves money – it saves lives. To learn more about ProQA and the PDS, visit www.prioritydispatch.eu.

Priority Dispatch is the exclusive world-wide proprietor of the MPDS (Medical Priority Dispatch System), PPDS (Police Priority Dispatch System), FPDS (Fire Priority Dispatch System), and ECNS (Emergency Communication Nurse System). These emergency dispatch protocol systems are licensed to emergency dispatch centers throughout the world. The content of the MPDS, PPDS, FPDS, and ECNS is developed, approved, and provided by the International Academy of Emergency Dispatch (IAED).

IAED is the internationally-recognized, non-profit, standard-setting organization which promotes safe and effective emergency dispatch services worldwide. IAED has over 20 boards, councils, and special committees, including the Council of Standards, Board of Accreditation, Board of Curriculum, Council of Research, and Board of Certification. These boards and committees are chaired by and include the world's foremost experts in medical, police, fire, and nurse dispatch. The MPDS, PPDS, FPDS, and ECNS are continuously examined, studied and updated to keep current, and changes are made based on continuing medical, police, and fire research, along with practical field experience and from feedback from thousands of emergency dispatch users the world over.

About Priority Dispatch:

- 46 Countries
- 22 Languages/Dialects
- Over 80,000,000 emergency calls taken in 2016 through our systems
- Over 71,000,000 population base covered by our emergency call systems
- Over 35 years of the emergency protocols being used
- Over 62,000 IAED Members

- Over 3,000 agencies
- Over 96,000 active medical, police, fire, and nurse dispatching IAED certifications
- Over 1,000 IAED certified instructors
- Over 60,000 subscribers to the IAED's Journal of Emergency Dispatch, published in 9 languages
- First and only peer-reviewed journal of dispatch science – Annals of Emergency Dispatch & Response
- Over 15 years of the EMD Advancement Series – the longest-running and most trusted CDE series in the world
- Over 40 IAED protocol-based research studies published in peer-reviewed journals



Ron McDaniel

President

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Would you like to know more? Visit the company's [virtual booth](#).

Meet **PTOLEMUS**



PTOLEMUS is the first strategy consulting firm entirely focused on connected mobility services and the Internet of Things. Present in Europe and North America, PTOLEMUS helps leading car makers, their suppliers, insurers and aftermarket service providers define and execute their telematics strategies.

The consulting group regularly assists these companies with strategy definition, investment assistance, procurement strategy, innovation management, business development or product strategy deployment.

For requests or information about consulting services, please contact Frederic Bruneteau on fbruneteau@ptolemus.com

PTOLEMUS is also the author of many widely praised reports:

- The [Connected Fleet Global Study 2018](#), the unique strategic decision-making tool assessing the potentials and partnership models in the commercial transport market.
- The [Autonomous Vehicles Global Study](#), the most thorough analysis of the AV market and its impact on the risk sector
- The [Usage-Based Insurance Global Study](#), the 1200-page reference document whose 3rd edition was published in January 2016.
- The [Connected Insurance Analytics report](#), the add-on report to the UBI study explains how to transform telematics data into predictive analytics.
- The [Connected Mobility Forecast 2016](#), which quantifies 14 mobility markets including car sharing, pooling and leasing.
- The [Road Charging Global Study 2015](#), the reference document for the electronic toll collection market globally.

For more information on research, please contact Thomas Hallauer on thomas@ptolemus.com.

PTOLEMUS was also a member of the **HELP112 consortium**.

For more information about the consortium and the activities related to location based emergency assistance, contact Alberto on alodieu@ptolemus.com



Thomas Hallauer
Research & Marketing Director
thomas@ptolemus.com



Would you like to know more? Visit the company's [virtual booth](#).



Meet Pulsiam

i Pulsiam is a proven and innovative leader in public safety software, with more than 30 years of experience in the industry. Specializing in public safety and disaster management, we have used our industry expertise to create a comprehensive browser-based command and control solution that is fully scalable and ideal for both the largest and the smallest agencies.

At Pulsiam, our focus is staying on the cutting edge of innovation through product development and, more importantly, by creating interfaces to the best mobile applications and software to hit the market. The public safety industry is full of new, ground-breaking ideas, and with Pulsiam's SafetyNet applications and extensive interfaces, you can choose exactly the right solution for your agency.

Pulsiam has installed the SafetyNet suite of public safety software at more than 90 locations worldwide, serving nearly one hundred million people.

Pulsiam's flexible architecture allows our support team to make changes to customer systems and databases on the fly, without interrupting operations 90% of the time.

Pulsiam's primary goal is to save lives: its fully integrated software and mobile application suite ensure that valuable, life-saving information is always in the hands of emergency response and disaster management coordinators and response teams as soon as it is available.

As an international company, Pulsiam meets the communication standards, certifications and protocols which are accepted worldwide.



Holly Blanks

Director of International Business Development

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Would you like to know more? Visit the company's [virtual booth](#).



Meet RapidDeploy

RapidDeploy is the most advanced Cloud-based *Call Taking, Computer Aided Dispatch (CAD), Reporting and Mapping* platform available on the market.



RapidDeploy's systems are designed with low cost, low friction deployments in mind. Our cloud-based platform allows seamless system scaling, running thousands of incidents concurrently, catering for small provider and governments alike.

RapidDeploy's Mission is to **reduce response times for all**

The Platform was designed by first responders from varied disciplines; Medics, Search and Rescue and the Security sector, resulting in a powerful software able to manage emergencies of any type, urgency, or scale. RapidDeploy's real-time Call Capture and Dispatch platform uses multiple data sources to automatically assign the closest relevant available resource to any incident. Our mobile platform enables full audit trail for quality assurance and effective coordination of all active resources.

RapidDeploy is:

Customisable: RapidDeploy uses state of the art technology to solve challenges faced by Emergency Services such as reducing response times, Incident Command & Control and effective real-time Multi-Agency Communication between First Responders and Dispatchers. RapidDeploy is fully customisable from a settings page, this removes the need for drawn-out implementations.

Ecosystem: The RapidDeploy Ecosystem has native inter-agency operability with the ability to network any two or more implementations together. This allows the electronic passing of order flow between agencies. Hierarchical implementations are possible too, allowing the Parent Implementation to view LIVE activity and report on all members of the hierarchy. Multi-agency reporting is achieved the same way, paving the way for standardised national reporting of geographically disparate services.

Cloud: Hosted in the Microsoft Azure Cloud (Government Azure Cloud for US Government Agencies), the RapidDeploy platform is both resilient and scalable for dynamic workloads. Cloud deployment means RapidDeploy is much cheaper than costly on-premises solutions. Data-loss is mitigated as the cloud data centre backs up in real time. System upgrades are also rolled out in real-time without any loss of service – and can be easily rolled back, without loss of service.

Tailored: Role based security allows for tailored levels of Solution Functionality – different users can experience different work flows, segregation of duties as well as Permission-based reporting and access to information.

RMS: A Permission-based Record Management System (RMS) solution with a zero-archive policy. All documents can be retrieved throughout the life of the implementation. Native Free Text Search is included throughout the platform.

Telematics and Fleet Tracking: RapidDeploy is integrated with several telematics and GIS platforms for real-time vehicle, vessel and aircraft tracking. Integrations include Tracker, TomTom Webfleet,

KeyTelematics, Globalstar and Silverye Aviation.

RapidDeploy Mobile Phone Field Service App offers a Dynamic Form Building Engine that can build and present any type of electronic form required. The forms can capture Photos, Geo-location, Barcodes, Signature on Glass and any Alphanumeric field. RapidDeploy uses Artificial Intelligence to automatically tag evidence for simple identification and use Licence Plate Recognition (LPR) to decrypt and tag licence plates from vehicles.

Integration with any PBX call handling solutions are available; from simple screen pops to native soft phone functionality.

PTT: Push-to-talk integration for most popular devices and networks, including AVL/APL and short message services where available.

RapidLocate allows the call taker to send an SMS to a smartphone and return that phone's exact Latitude and Longitude. (Mobile Data Connection Required)

RapidVideoStream allows the call taker to send an SMS to a smartphone and turn that target phone into a Live Video Stream that plays back to the Dispatcher for enhanced Situational Awareness and Evidence Gathering. (Mobile Data Connection Required)

IoT API: Some of the IoT signals RapidDeploy currently processes via our public API include; Mobile Panic Buttons, Inter-Agency Orders, Hijacked Vehicle Signals, Crash Detect Alerts, Home Burglar Alarms, Defibrillator Signals, Weather Alerts, WAZE Traffic and Accident information.

RapidDeploy does Mission Critical Dispatch faster, cheaper, and more reliably than anyone else.

RapidDeploy's offices are in Africa, Europe and the United States.

For more information please visit our website at www.rapiddeploy.com



Francesco Frugieue
Head of International Business
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Would you like to know more? Visit the company's [virtual booth](#).

Meet RapidSOS



RapidSOS provides accurate location and additional life-saving data to 911 and first responders. The company has worked with the public safety community to develop a rich data link from smartphones and other connected devices to PSAPs through the NG911 Clearinghouse.

The **NG911 Clearinghouse** is a NENA i3 compliant Location Information Server and Additional Data Repository that is accessible to all PSAPs. Through the NG911 Clearinghouse, PSAPs can securely access device-based hybrid location information from smartphones, without the need for the caller to use an app, resulting in faster and more accurate location than Phase 2 ALI data. The NG911 Clearinghouse also offers additional data from smartphone apps, wearable devices, connected cars, and connected home devices. RapidSOS partners with Internet of Things companies to provide this data to public safety at no cost. You can learn more at RapidSOS.com/NG911Clearinghouse.

There are two ways to access the NG911 Clearinghouse.

Integrate with your existing PSAP software.

PSAPs can access data from the NG911 Clearinghouse through a direct integration with their existing CPE, CAD, or mapping software. When a call comes in from an enabled device to a PSAP with the RapidSOS integration, the NG911 Clearinghouse is automatically queried for location and additional data. Information appears as supplemental data in existing dashboards and PSAP workflows. RapidSOS partners with all major PSAP technology vendors to provide the integration through a simple software update. Contact RapidSOS and your software provider to get started.

Get access with RapidLite.

RapidLite is a new, web-based portal for PSAPs to access the NG911 Clearinghouse while they are waiting for an integration with their existing vendor. With RapidLite, any PSAP can receive the benefits of NG911 at no cost in a matter of minutes. Simply sign up at www.rapidlite.com to authorize your PSAP and start receiving data today.



Michelle Cahn

Community Engagement

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Regola**

i Regola is a pure software manufacturing company, headquartered in Turin -Italy-, and focused on mission-critical technology and services for **Emergency Services, Control Rooms, Inter-Agency operations**.

Although being active since 23 years, Regola maintains its fresh-minded DNA that drives the company towards new innovations, research, markets, openness to contaminate solutions with existing technologies, and ultimately to inspire clients and partners into a gradual pathway.

Regola combines IT **software specialists** with international **Domain experts** in its Teams.

Distinctive values of Regola are the highest commitment, in any corner of the world, and the capability to speak multiple languages:

- Technology: Quality and Excellence of any technological solution designed, and provided
- Domain: deep comprehension of Domain-specific (digital) challenges, risks and processes

Consisting of mixed, highly-skilled, and international teams - 80% of its resources are certified in the technology they handle - Regola is keen on making a very low staff turnover, on developing in-house expertise, on scouting and digesting modern technologies for further innovations.

Regola's solutions and applications speak Italian and English, but also Dutch, German, Maltese and Lithuanian, thanks to our established partners in Europe, and globally.

Our operations are accompanied by quality levels and security models, certified to **ISO 9001:2015** and **ISO/IEC 27001:2013** standards.

Regola's supplied solutions and services gathers an increasing appreciation abroad, for their characteristics of adaptability as well as the robust frameworks and architecture on which they are based.

We are at your disposal as collaborative, flexible, ethical, technical experts, towards partners and customers.

- Unique One - CAD for 112 Emergency Call services
- Unique Police - CAD for Police services
- Unique Fire - CAD for Fire services
- Unique EMS - CAD for Emergency Medical Services
- CareOnLine - CAD for non-Emergency Medical services (low-acuity)
- Unique Crisis - Crisis & Disaster Management
- Unique SWAP - Radio Dispatch system
- FlagMii EML - Emergency Mobile Link

- nowtice - mass alerting, mobilizing & early warning
- ReMe - critical resources monitoring for EMS
- PASS - ERP for transport management and on-board module
- Tempore - Teleconsulting system



Marco Parigi

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Samsyn



Samsyn ehf is an IT systems integrator based in Reykjavík, Iceland. The company was founded in 1995 and has from day one been devoted to providing innovative solutions to the public safety and emergency response sector.

Samsyn offers fully integrated systems for emergency control rooms and public safety organizations of all types and sizes. Samsyn's "Response 1-1-2" is a suite of CAD applications featuring:

- emergency call handling with integrated emergency response protocols
- dispatching
- incident handling and reporting
- intelligent GIS mapping
- fleet management / AVL
- routing services
- field communications
- mass alerts
- telephony and tetra integration

Our users include the national emergency number 1-1-2, police, fire and ambulance services, coast guard and the Icelandic association for search and rescue.



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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Septier Communication**

i Septier Communication Ltd. has been in the forefront of the cellular positioning world since its inception in the year 1999. The company has developed its cellular positioning platform, **SeptierWhere™** to provide unparalleled accuracy and reliability and has deployed it successfully in cellular networks worldwide including the US, LATAM, Europe, Africa and Asia. As the need for accurate positioning of cellular emergency callers has risen, Septier has met this challenge with the most complete portfolio in the world of cellular positioning. **SeptierWhere™** has been implemented for providing positioning service of emergency callers time and again to the full satisfaction of the cellular network operators and the regulators governing them.

SeptierWhere™ includes the following positioning modules:

1. **SeptierWhere™-A**: standards based GMLC/SMLC, MPC/PDE and A-GPS/SUPL
2. **SeptierWhere™-P**: passive network based positioning based on Septier dedicated probes
3. **SeptierWhere™-D**: application based module, designed specifically for the needs of emergency services
4. **SeptierWhere™-R**: RF based positioning, using Septier's unique LMUs, for enhanced accuracy in areas of special interest

The **SeptierWhere™** platform is complemented by **Septier Life Saver**, a tactical positioning system enabling rescue forces to pinpoint the location of active cellular devices and physically reach them. This is highly useful for wide scale natural disasters when finding survivors is crucial and each second may make the difference between life and death. **Septier Life Saver** has been used in countless natural disasters around the globe including the September 2017 earthquake in central Mexico.

In addition to cellular positioning for emergency services, Septier is also active in the law enforcement, intelligence and defense markets, providing interception and cellular positioning products. Other product lines are aimed at enterprise telecom cyber security.



Amit Nachshon

Office Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Sfera



Sfera, JSC is a Russian system integrator, software and information systems developer. It specializes in the automation of business processes of public authorities and industrial companies since 1992.

Main business areas are development and implementation of software; creation of IT infrastructure, multi-service networks, automated engineering systems; project consulting, including documentation development and maintenance.

Sfera, JSC has all the necessary licenses to accomplish various tasks regarding automation and information security systems in Russia.

We make our priority to give our customers IT-solutions that satisfy the actual need in high quality performance while executing their business functions. In doing so we are open to new solutions, not only confined to the areas of expertise.

Expertise in Emergency

Sfera, JSC completed more than 10 turnkey projects building the 112 system in various regions of Russia. The created systems serve more than 20 million people and receive more than 100 thousand calls a day. The largest of them — the system 112 of the Moscow region — serves more than 10 million people and receives up to 50 thousand calls a day.

We offer services for building various emergency response systems in Russia and the former USSR countries. Apart from the 112 call systems we've got solutions for a safe city, utilities, large industrial companies and infrastructure facilities and other businesses that have their own dispatchers and response resources.

Detailed overview of the solution

The basis for the solutions we offer is a specialized platform for building emergency response systems.

The main characteristics of the platform are:

- communications, workflow support and resource management are combined in one suite and interconnected
- voice call handling, data transfer and radio communication in a single system for receiving calls, taking decisions and resource management
- multi-protocol and multi-channel processing of signals from various alarms

The stated features allow all the systems based on the platform to:

- search operators by certain criteria (e.g. language)
- decrease time of response due to call allocation and prioritizing

- speed up emergency identification through interview and classification
- make data immediately available to all participants due to single information space
- ensure immediate dispatch of the most appropriate resources with the necessary equipment and skills
- check the real-time information on resource status and location
- have a log of all actions and negotiations
- control the actions of the operator and dispatcher
- process signals of change in the situation and emergency by screening from cameras close to the incident or mobile cameras of the crew

The benefits of the platform that we offer to our customers are:

- tested product, used by emergency services in many countries
- use of serial equipment
- long-term development prospects
- regular updates with new functions
- technical support



Daniil Bodrov

Deputy CEO

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **ShadowFocus Consultancy**



ShadowFocus Consultancy was formed in 2014 due to demand for its founder's unique skills and knowledge in the implementation of Intelligent Transport Systems and Services (ITTS) within an Emergency Services operating environment.

We support the development of effective partnerships between Emergency Services customers and suppliers of ITTS, so that technical solutions are developed that will be effective within the operational realities of the Emergency Services. This includes the development of eCall services, both public and private, along with supporting the deployment of effective technical solutions for the emergency services



Andy Rooke

Director

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Would you like to know more? Visit the company's [virtual booth](#).



Meet SiriusXM

i Sirius XM Connected Vehicles Services is a leading provider of connected vehicles services to Acura, Audi, Honda, Hyundai, Infiniti, Jaguar, Land Rover, Lexus, Nissan, Subaru, and Toyota. Sirius XM Connected Vehicle Services gives customers access to a suite of safety, security, and convenience services including automatic crash notification, enhanced roadside assistance, remote door unlock, remote start, stolen vehicle recovery assistance, turn-by-turn navigation, and more.

Overview of Services

- Automatic Collision or Crash Notification (ACN): Immediately following a crash, upon deployment of air bags or activation of emergency tensioning restrains in seat belts, the vehicle's location is automatically sent via wireless technology to the Telematics Call Center (TCC) and a voice connection automatically established between the vehicle and the TCC.
- Advanced ACN (AACN): The automatic transmission of additional crash-severity data, including detection of a vehicle rollover, and a resulting indication of a high potential of severe injuries to vehicle occupants is transmitted to the TCC and verbally relayed to the PSAP.
- Stolen Vehicle Assistance/Shutdown: Once a SiriusXM subscriber reports a vehicle stolen and requests our assistance, we provide a GPS location to the proper authorities. Under some programs, we are able to disable the accelerator of a moving vehicle to help prevent a dangerous, high-speed chase as well controlling the ignition, either preventing someone from re-starting it or enabling police to move a recovered vehicle.
- In-Vehicle, Manually Activated SOS Button: Also known as a MayDay button, almost all automotive programs operated by SiriusXM provide motorists with the ability to place an emergency call that automatically delivers the vehicle's location to our 24 X 7 call center. Our specially trained response specialists determine the nature of the emergency, contact the appropriate responder whether it requires a roadside assistance provider, contact with a dealership's service center, or notification to the PSAP. SiriusXM also fields calls from "Good Samaritan" subscribers, who often can provide valuable, location-specific information to PSAP centers regarding witnessed crashes or other emergencies, road hazards, and possible criminal activity.

Michael Becker

Vice President Business Development, Managing Director

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Would you like to know more? Visit the company's [virtual booth](#).

Meet **SIS France**



Publisher and software integrator for Civil Defense customers (Fire & Rescue Services and Emergency Medical Services), SIS has diversified its range of solutions to meet the growing need for alert management for High Risk Areas (airports, nuclear plants, public transportation, etc.) and local authorities (to manage the Establishments Servicing the Public).

By following an **appropriate methodology**, the SIS team will carry out major projects with you.

From the upstream reflection project to its implementation and operational monitoring, **SIS is actively involved** and adapts to complex hardware and software environments.

SIS also performs audit services, from needs analysis, training, project control, change management and configuration.

With a **continuous innovation policy** and relying on **advanced technology**, SIS has become a reference in the European market for CAD solution and Mobile Emergency Solutions integrated with CAD (smart application for smartphones, tablets).

Our dual expertise (publisher and integrator) gives us a competitive advantage for the solutions' deployment and a close proximity to our customers. Our specialty is our strength and ensures a control of your project from A to Z.

A software Company dedicated to the alert management, SIS publishes operational solutions that meet your specific needs.

An integrator recognized in the market, SIS offers comprehensive solutions, including both hardware and software materials.

Close to its customers, SIS relies on the availability of its teams and offers maintenance and daily assistance with a **24/7/365 support**.

In a complex economic environment where financial constraints are significant, optimizing resources, minimizing delays, gaining productivity and managing regulatory issues are all major levers to increase your organization's activity.

Based on a powerful and efficient algorithm, our global solutions allow you to activate these levers and quickly get the optimization you are looking for.

SIS solutions are designed, developed and integrated by our teams of specialists who have a recognized expertise and know-how on the market.



Arthur Weisgerber

Director

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Stokhos

Stokhos is a dynamic decision support system for ambulance operators and dispatchers.



Our customer friendly application creates oversight on regional coverage and suggests relocations in order to substantially reduce response times. In addition, through effective asset (vehicle/unit) management we enable operational cost savings. Fewer ambulances can improve the regional service.

Currently in the regions in the Netherlands we manage to decrease response times with ~35%.

Please see our website: www.stokhos.nl and watch the introduction: <https://www.youtube.com/watch?v=IG6BC7AFIaU>.



Vincent van den Brekel

Researcher

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Systemel

i SYSTEMEL specialises in the delivery of command & control and integrated communications systems specifically to Fire and Rescue Services and Ambulance Services. Of our current 56 clients, 49 are in mainland Europe and a number of French Overseas Territories, whilst five solutions have been deployed and are currently live in the United Kingdom. Collectively, our solutions handle over 2,500,000 calls per year with the largest individually handling 400,000 per annum.

The solution was developed entirely by our team of engineers as a holistic, integrated system to meet the end-to-end needs of our clients. Originally developed in 1987, it has undergone a number of iterations since its inception to take account of new requirements of our clients.

SYSTEMEL's solution incorporates the following key integrated components:

- Command and Control (CAD)
- Integrated Communication Control System and Telephony (ICCS)
- Geographic Information System (GIS) /Gazetteer
- Resource Management
- Predictive Dynamic Cover Tool
- Mobile Data Terminals and Vehicle Mobilisation
- IntelliSys Management Information and Reporting System
- Interfaces to key third party systems

Key benefits :

- Multi-Agency and Interoperability -> Fire and Ambulance services work together on the same systems, sharing the same back-office
- High Availability -> Resilience at site and system level
- Call Scripting -> Includes Fire and Medical scripts
- Integrated Communications -> Radio/telephony integrated in CAD
- Attribute Based Mobilising -> Flexibility in manning resources
- Flexible Resourcing Models -> Linked to attribute based mobilising
- Advanced Gazetteer -> Progressive searching and corporate gazetteer integration

Systemel employs approximately 130 staff at its headquarters in La Rochelle, France (comprising Software Engineers/Developers, Support technicians, Project Management Staff and Trainers) as well as 5 staff in Leeds, UK.



Philippe Coupeau

Quality & Strategy Director

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **TECHWAN**

i TECHWAN is a Swiss software company, specialized in public safety solutions. The company was created in May 2000. The products line is called SAGA; there are Solutions for police, civil defence, airports, ambulances departments and private sector. Each module was developed in collaboration with our customers.

- SAGA's workstations are: WPF for Smart clients and HTML5 for Web clients and mobile They can be mixed. WEB clients can be multiscreen. Mobile workstations are individually notified.
- SAGA can be on top of Windows Server or LINUX, and SQL Server or PostgreSQL.

SAGA was chosen by the French National Gendarmerie to create the world's greatest centralized CAD, with more than 6,000 workstations, spread all over Metropolitan France and Overseas, it is completely functional and, amongst other things, was the safety centre of G20 in Cannes and the 70th anniversary of DDAY.

SAGA product line is:

- An Incident Management Solution: SAGA COMMAND & CONTROL
- A Crisis Management Solution: SAGA CRISIS
- A large event planning tool: SAGA PLANNING
- A Mobilization Solution: SAGA MOBILIZATION
- A Victim's management solution: SAGA VICTIM

PRINCIPAL CHARACTERISTICS

- SAGA is a completely services oriented (SOA) multi-layer solution.
- SAGA is multiservice and can manage Police, Civil Defence and Ambulances, in multiservice on the same system. This can be made on workstation level or at incident type.
- SAGA user interfaces are flexible and modular. They are defined outside the application, in a profile register. Profiles number is not limited and user interfaces can be adapted by systems engineer.
- SAGA supports all types of fixed and mobile workstations: Multi-screens PC, laptops, PC tablets and smartphones.
- SAGA is multilingual and supports all alphabets: Latin, Greek, Cyrillic, Arabic and Chinese.
- SAGA has a broad pallet of communication interfaces: PABX and IPBX, radio TETRA, TETRAPOL, LTE, recording voice and video, Paging, SMS, GPS, E-mail, Fax, API, CCTV, networks of alarm...



Jean-Paul Mauron

Managing Director

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Would you like to know more? Visit the company's [virtual booth](#).

i Telefónica is one of the largest telecommunications companies in the world in terms of market capitalization and number of customers. With its best in class mobile, fixed and broadband networks, and innovative portfolio of digital solutions, Telefónica is transforming itself into a 'Digital Telco'.

The company has a significant presence in 21 countries and a customer base that amounts more than 327 million accesses around the world. Telefónica has a strong presence in Spain, Europe and Latin America, where the company focuses an important part of its growth strategy.

Telefónica has more than 15 years of experience in the market of emergencies and public safety providing products and services to its customers. It is specialized in different types of solution for emergency centers, providing first solutions for the some of the most important emergency centers in Spain. Over 65% of emergency calls generated in Spain are attended using systems provided or powered by Telefónica.

Telefónica is also expert in deploying radio communications like **SIRDEE**, which is the communications systems (based on TETRAPOL) used by police officers and other security forces in Spain.

As a global service and communications operator and emergency system integrator Telefónica has a complete vision of the emergency process, from the service user to resource management.

In the process of implementation of Emergency Centers, Telefónica helps their customers in the following key tasks:

- Operations analysis based on service needs and the current situation
- Definition and planning of change management activities
- Cooperation with the agencies, in an effort to stipulate protocol and methodology
- Evolution of the Technological Platform
- Management of the complete incident cycle, by means of the appropriate channel, taking into account the various factors: (citizens, management operatives and intervention, and so on)

Telefónica, offers turn-key projects that include or may include the following phases:

- Process consulting
- Technology consulting
- Supply, installation and commissioning of the technology platform
- Data model customization
- Support and maintenance services

The Telefónica's Emergency Management Integrated System, called **SÉNECA**, is a platform designed to support the emergency management process occurring in the Emergency Operation Centers and PSAPs (112/911, Police, Firefighters and Rescue Services, Health Emergency Services, Public Safety Agencies...).

SÉNECA offers the ability to attend emergency requests and quickly collect all necessary information to solve it.

SÉNECA can integrate different technologies related with communication platforms (fixed and mobile phone, radio, SMS, video, etc.), audio recorders, GIS (via ESRI platforms), AVL systems, etc.

There are 5 operational products available in the SENECA Emergency Suite (SES):

- SÉNECA Multi-Agency (112/911)
- SÉNECA Health (Medical Emergency)
- SÉNECA Public Safety
- SÉNECA Fire & Rescue

SÉNECA consists of a set of elements (hardware, software, procedures, facilities, telecommunications infrastructure, and resources) that enable emergency management from various aspects:

- Receive emergency requests (demand management).
- Management agencies must respond to the emergency.
- Control and resource mobilization that resolved.
- Resource management and communication with them.
- Management of global emergency plans (definition, testing, etc).
- Generation associated reports, etc.

At a functional level:

- Solutions for all phases of operation: demand response and command and control.
- Module Reports and statistics for analysis and decision making.
- Attention and integration of calls from people with hearing disabilities.
- High degree of configurability and parameterization of the solution to the user profile.

At the technological level:

- Technological infrastructure based on market standards and industry.
- Email, phone, SMS, radio, IVR, fax, internet.
- Integration with leading telephony communications solutions and CTI.
- Integration with radio communications.
- Integration with call recording.
- Geographic Information System (GIS) fully integrated.
- Full integration with AVL and GPS systems.

A business level:

- Product evolving: mobility solutions, new channels (social networks, video call), including emergency simulators, etc.
- Strategic agreements with the best partners in the market.



Pablo Gutiérrez Astilleros

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Telent



A supplier of integrated mission critical ICT solutions for Public Safety Users, from Control Rooms to front line responders, including ICCS, CAD, Voice Recording, Mobile Data, epcr, Tetra & Paging solutions

For project activities, we provide design consultancy, procurement, project management, installation & commissioning as well as extensive FAT, SAT & UAT Testing services.

For service support, we provide network monitoring, Customer Service Desk & On-site engineering support on 24/7 365 basis across Ireland & UK

Our customers include Health Service Executive National Ambulance Service, Irish Fire Service, N. Ireland Fire & Rescue Service, Maritime Coastguard Agency, Royal National Lifeboat Institute (RNLI), as well as various Fire Rescue Services and Police Services across England, Scotland & Wales.



Pat Walls

General Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Telespazio France

Telespazio France, leading the way in satellite services



As a key player in space infrastructure operations for more than 30 years, Telespazio France supplies value-added satellite services and applications for geoinformation, navigation and telecommunications.

Telespazio France is the French subsidiary of Telespazio, a joint venture of Leonardo and Thales. Based in Toulouse, Telespazio also has facilities in Paris, Bordeaux, Kourou and Libreville.

Leveraging its legacy of innovation and driven by the ambition it has nurtured from the outset, Telespazio France is working to bring the benefits of satellites to the widest number.

Referenced provider of satellite telecommunications and value-added geoinformation services, Telespazio France is also a key player in satellite navigation, bringing in particular its operational dimension in full partnership with Thales Alenia Space (Thales/Leonardo), the European leader in EGNOS and Galileo satellite navigation systems and ground segments.

Our mobility service portfolio is benefiting from our **“Location As A Service”** platform that delivers reliable location technologies with innovative features based on EGNOS and Galileo signal specificities.

Fully compliant with industry standards for location (such as OMA SUPL 2.0), such a solution is targeting to provide **location anywhere and anytime** even in very dense areas, in easing the deployment of value added services such as e-Call and E112.



Yves Capelle

Head of Space Services & Applications Business Unit

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Would you like to know more? Visit the company's [virtual booth](#).

TELETRAC NAVMAN



Meet **Teletrac Navman**



Trackstar are part of the Teletrac Navman Group, providing a diverse range of connected vehicle services such as stolen vehicle recovery, eCall/bCall, concierge and traffic services to a global network of OEM vehicle manufacturers.

With 18 years' experience providing customers with the best in connected vehicle solutions, we serve some of the world's most renowned vehicle brands including Jaguar, Land Rover, BMW, Citroen, Volkswagen, Audi, Rolls Royce, Aston Martin, Porsche, Peugeot, Skoda, Honda, Chrysler, Vauxhall and Seat.

Our hardware is built to last, with insurance approved by Thatcham to categories 5 and 6 and beyond to our Advance standard, ensuring a robust and reliable service our customers can depend on.

The Teletrac Navman Group provide location-based technology and services for managing mobile assets. With specialised solutions that deliver greater visibility with real-time location and vehicle telematics data. The company is headquartered in Glenview, IL, with additional offices in the United States, United Kingdom, Australia, New Zealand and Mexico.

The Teletrac Navman Group is proud to be owned by Fortive, a globally recognised technology company with 24,000 employees worldwide generating more than \$6B in annual revenue.



Richard Lilwall

Managing Director Trackstar and Traffic Services

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Unified Messaging Systems (UMS)**

i Unified Messaging Systems AS (UMS), an Everbridge Company, has more than 1,200 customers worldwide reaching over 500 million people with our systems for public notifications. The company provides alert solutions that enable both public and private entities to communicate with customers and citizens through various channels before, during and after of both unexpected and scheduled events. We use multiple technologies to leverage existing infrastructure of telecom operators when sending critical messages.

Our solutions can help save lives and reduce damage to property by providing important information for the right people, through the right channels and at the right time. The mobile phone is currently the most frequently used communication channel worldwide and is therefore the most effective platform to inform and warn people. UMS has pioneered location-based mobile alerting on a regional and total country scale.

As a pioneer in the development of advanced systems for critical messages, we have many unique patents known in the industry for their technological and lifesaving capabilities. We can point to having deployed more national systems than any other company in the world, having developed national warning systems for countries including Sweden, Singapore, Netherlands, Greece, Cambodia and two coastal states in India. UMS has a strategic partnership agreement with UNISDR and has assisted countries and multilateral organisations in developing frameworks for crisis management and notification.

Everbridge serves over 3,700 customers worldwide and has a complementary product portfolio and customer base to UMS. A number of the largest cities and states in the United States have standardized on Everbridge, as well as leading global companies across many industrial sectors. The company's secure, scalable and highly redundant platform was used to send over 2 billion notifications to people in over 200 countries and territories in 2017. Everbridge's Critical Event Management software suite enables customers to improve how they anticipate, prepare for, and respond to the many critical events which threaten the safety of people, disrupt daily operations, and put brand reputations at risk. Everbridge is a publicly traded on the United States NASDAQ (EVBG_ exchange).

Vision & Mission

UMS' vision is to be the world leading provider of citizen communication and public warning and the company's mission is to provide innovative communication solutions to make a significant difference in people's lives.



Helene Marwell-Hauge

Head of Marketing, Communication & HR

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Unblur**



Unblur helps Emergency Services to make faster & safer decisions during an incident response. We want to make dynamic information truly useful for Incident Commanders on the field. During an emergency, information on the field is crucial to respond properly. Incident Commanders from fire, police and rescue agencies need information to coordinate their team and evaluate the situation.

In some areas, first responders are using an array of different technologies (drones, cameras, GIS) to obtain real-time data. However, this data is coming fragmented and unfiltered, causing saturation to the Incident Commander who needs to make a decision very fast. Adding to this, the current tools are not user focused, making it hard to use in complex environments. All these issues make the Incident Commander's tasks harder, which endangers the overall mission and the safety of victims and response teams.

Over the last 2 years, Alfonso & his team have interviewed more than 75 emergency agencies in Europe showing that:

- 98% find real-time information a strategic priority
- 97% agreed new technologies are causing saturation & adoption issues for the Incident Commanders
- Less than 25% agreed that they have a solution to these challenges

In the end, these new tools are becoming a burden instead of an advantage.

For this purpose we are launching IRIS, a digital Incident Command & Control system. IRIS integrates different sources of information (images, GIS, GPS locations...), fusions the data and delivers the relevant pieces of information to Incident Commanders. Adding to that, it allows an easy command sharing between commanders.

Currently, IRIS V1 is available. This version organizes the dynamic data on the field for incident commanders. This includes real time tactical situation, video streaming management and information sharing between teams, levels and agencies.

IRIS is the first Digital Command & Control platform built for and with Incident Commanders. IRIS V1 development included testing and validating with 13 different emergency agencies across Europe. In addition, IRIS is a modular and scalable platform, allowing you to upgrade and adapt it to your number of users, sensors and even to add new analytical capabilities.

If you are interested in hearing more about IRIS or to join our collaboration plan to test it, do not hesitate to reach out to us!



Alfonso Zamarro

CEO

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Unify



Unify, an ATOS company, provides integrated communications and collaboration solutions worldwide. Using cloud-enabled technologies, our solutions unify multiple voice, video and data networks, connected devices and applications into one easy-to-use platform that allows teams to collaborate effectively and efficiently – anytime, anywhere. The result is a transformation of how the enterprise communicates and collaborates – this transformation amplifies collective effort, energizes the business, improves employee satisfaction and enhances business performance.

Unify offers the only carrier-grade VoIP session controller for both Call Handling and Emergency Services Routing processes aligned with Next Generation Emergency Calling standards (NG112 / NG911). This platform provides for multimedia control room solutions using the OpenScape Voice platform and combines with Contact Center solutions to bring advanced skills-based routing and workflow management to the centre. With an embedded Emergency Services Routing Proxy (ESRP), OpenScape Voice provides Emergency Services IP Network (ESInet) domains an unrivaled carrier-grade session controller when combined with ECRF/LVF functionality. Unify is able to power the NG112/NG911 ecosystem in a seamless, enterprise class model.

Unify is at the forefront in supporting and driving the global migration of Next Generation (NG) emergency communications in our rapidly evolving digital world. Our solutions immediately connect citizens, dispatchers and emergency response centers in any mode, whether it be voice communications, data, or mapping imagery. Unify offers a sophisticated answering and command control system as well as a planning, monitoring and information system that guarantees fast and effective operation for life-saving, time-critical situations. Unify's emergency management communications solutions are deployed globally on all continents. In addition to supporting the efforts of EENA, Unify also provides leadership on technical committees developing standards for the next generation of emergency services (NG911 and NG112).



Andrew Hutton

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Would you like to know more? Visit the company's [virtual booth](#).



Meet VÍTKOVICE IT SOLUTIONS



VÍTKOVICE IT SOLUTIONS has over 20 years of experience and knowledge in building complex systems with several integrated solutions for managing crisis situations. Our software solution is deployed in all 112 PSAPs in the Czech Republic.

We also provide solutions for effective cooperation and coordination of emergency services. It uses modern technologies and it can also smoothly manage peak traffic during disasters. We are participating in Europe-wide projects for research and development, and our company is a leader in implementation of eCall.

Our goal is to help PSAP operators with their mission to help citizens in emergency situations.



David Krčmarský

Head of Integrated Rescue Systems

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Vodafone



Vodafone Automotive is part of Vodafone Internet of Things, a global provider of IoT products and solutions with over 18 million connected vehicles. It is exclusively focused in the offer of services and products for vehicle manufacturers, insurance companies, fleet managers and in the development of innovative applications for the mobility of the future, such as V2V and V2X applications.

Vodafone Automotive has over 40 years of experience in the automotive industry and manages the entire value chain including the design and production of on-board telematics, the telematics platform, advanced data analytics functions. To drivers, Vodafone Automotive provides 24/7 security and safety services in 45 countries in Europe and 54 globally including Australia, Canada, India, Japan, Malaysia, Singapore, South Africa, South Korea, USA.

Thanks to the interconnected network of Secure Operating Centres, Vodafone Automotive is able to manage automatic emergency call alerts, successfully delivering this service. In automotive, the Porsche Car Connect OEM program includes assistance to Porsche customers in case of emergency, thanks to the airbag deployment alert, which is transmitted to the Secure Operating Centre across different continents. In the telematics motor insurance, Vodafone Automotive enables insurance companies to offers to policyholders involved in a crash immediate support through our specialized Security Operators. As a member of the Telematics Service Provider Association, Vodafone Automotive Italia is taking part in "Private eCall" testing. Over 3 million drivers are involved in the test. In case of a crash they receive immediate support. Vital information, such as precise location of the crash incident, vehicle direction and speed before and after the crash are sent. The security experts evaluate the severity of the impact, which is made available to emergency services who are able to intervene quickly and provide the right emergency response.

From this perspective, with this testing program Vodafone Automotive strengthens its reputation as a leading provider of critical mobility services, including the possibility to directly contact the PSAP whenever the circumstance should require it.

Vodafone Automotive has also launched the Safety Pack - a solution enabling motorcycle manufacturers to offer a new security service to their customers. The major feature, dedicated to scooters and motorcycles, is the automatic emergency call generated in the case of an accident. In the case of a fall, the operator calls the rider to check whether help is needed, and if the rider does not answer the call, he evaluates the severity of the incident based on the digital reconstruction (received within a few seconds) and, if needed, contacts the PSAP immediately. The two-wheel specific service developed through Vodafone Automotive expertise in analyzing crash dynamics is specifically dedicated to two-wheel incidents, which differ substantially from those of four wheels, as stated in the Cologne International Motorcycle Conference in 2016.

This service is a new step towards safer mobility on the roads.



Alex Elvidge

Service Partner Relationship Manager - Global Business Operations

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Would you like to know more? Visit the company's [virtual booth](#).





Meet VoltDelta International



VoltDelta International is a specialist systems integrator and provider of emergency services solutions, as well as contact centre systems. Operating since 1993, it is headquartered in the UK, with offices and representation in Germany, the Middle East, South America and the USA.

VoltDelta has deployed many emergency call handling platforms to major PSAP operators supporting both regional and national emergency services on 999/112 access numbers. It

offers:

- **OASIS Emergency**, an integrated, flexible multi-media and multi-channel contact centre for emergency services, offering both traditional ISDN/SS7 interconnect and SIP for next generation network deployments.
- **OASIS eCall**, OASIS eCall can be delivered either as a standalone solution, or as part of VoltDelta's suite of next-generation emergency services solutions.
- **OASIS Telecare**, supporting modern social alarm monitoring and telecare services for the old and the vulnerable together with lone worker services.
- **OASIS Relay**, supporting text based relay services for the deaf and hard of hearing.
- **Professional services**, specialist integration skills to deploy next-generation emergency services solutions servicing 112 emergency calls.

OASIS also includes an integrated call recording system, with optional integrated agent screen recording. Today, OASIS routes voice, emails, web-chats, SMS text messages, social media and text relay. The platform also supports eCall natively and we have recently introduced a video chat capability utilising WebRTC.

Critically, the OASIS solution provides a virtual queue capability across all control / call centres enabling emergency service operators to benefit from the efficiencies and optimum service delivery of a single national queue.

VoltDelta is, through its OASIS product roadmap, tracking the NG112 standards developments to offer phased support for this evolving initiative. VoltDelta participated in the very first NG112 Plug Test event organised by EENA/ETSI and OASIS supports PIDF-LO delivery via SIP.

AML (Advanced Mobile Location) is also supported by OASIS, enabling much improved caller location capability. Customers all around the world rely on VoltDelta systems and solutions to support critical 24x7 contact centre services.

Please contact us to discuss your emergency call handling requirements.



James Glasspool

Director of Strategic Marketing

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Would you like to know more? Visit the company's [virtual booth](#).





Meet **Voxbone**



Voxbone makes it unbelievably easy to set up and manage global business communications. Our on-demand virtual numbers, and voice and SMS services, allow businesses to extend their reach to 9,000 area codes in 60+ countries. All at the touch of a button thanks to our APIs. That's strangely simple.

Voxbone's happy customers include: Skype, [Zoom](#), [8x8](#), [Dialpad](#) CaféX, Orange Business Services, foodpanda, Deutsche Telekom, Telefónica, InContact and Serenova. Check out our website at www.voxbone.com or follow us on [Twitter](#) and [Facebook](#).

An IP-based emergency calling solution

We provide instant access to local emergency services for our enterprise and wholesale customers in more than 30 countries. With Voxbone's Emergency Calling, businesses can finally consolidate their communications infrastructure in the cloud without the need to maintain a local PSTN line for emergency calls.

We have some pretty impressive hardware dedicated to making the world a smaller place for business comms. Our private network is a behemoth that will take you places others can't. We're a fully-licensed telecommunications service provider, interconnected with local providers and incumbents across all of our coverage areas.

At the core of Voxbone's Emergency Calling are the routing tables that we maintain, mapping local addresses to their corresponding local emergency answering points. If a customer or end user needs to make an emergency call, we determine their location using our address database, look up the E.164 telephone number of appropriate Public Safety Answering Point and connect the call.



Antonio Latorre

Product Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Wey** Technology



Tens of thousands of users count on tried and true Swiss quality from WEY every day.

More than 35,000 WEY Multifunctional Keyboards are already in service around the globe.

Why? Because products from WEY make your day-to-day working life easier.

You can rely on the added security and efficiency.

WEY Distribution Platform

- Centralised WEY Platform - KVM Switching of the next generation

Multifunctional Keyboards

- Intuitive control of all your workstations with only a single keyboard - for high performance workplaces

KVM Switches

- Switching AND sharing all workstations and sources - intuitive and flexible

KVM Extenders

- True distance independence - remote your computers and enjoy transmission in real-time

Visualisation

- Professional videowalls in all sizes and shapes - customised system integration and flexibility



Antonino Cannizzaro

Sales Manager Southern Europe

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Would you like to know more? Visit the company's [virtual booth](#).



Meet AED Map



The solutions of AEDmap enable companies and public authorities to manage their defibrillators in a secured database and share their locations with the general public.

AEDMAP Geo

Geo is a mapping solution which references and geolocates defibrillators enabling location sharing in mobile apps.

AEDMAP Visio / Visio+

A simple and cost-effective AED management solutions which meets the regulatory constraints and the manufacturers guidelines.

AEDMAP Connect

Connect provides defibrillators 24/7 remote monitoring and real-time alerts through M2M connected devices.



Paul Dardel

CEO

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Astralution**



Astralution is a technology startup. We provide visual communication aiming to save lives and critical infrastructure during emergencies and crisis by using purpose built drones and space resources, such as satellite communication, and in particular European satellite navigation systems to transfer captured data close to real time.

Astralution are developing new tools for the industry and the future. We provide more efficient and cost effective operations with a strong focus on HSE&Q in all aspects of the service provided.

Our core competence is within search and rescue operations, emergency preparedness, GIS and technical inspections, both onshore and offshore operations.

We are developing the first in the world zone 1 EX certified drone, to be used in highly explosive environments.

Please contact us if you are interested in our technology and tell us how we can further develop this to fit your organisations needs. Together we will be one step ahead into the future.



Nina Bokn Solheim

CEO

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Butterfly Security**



PayServices Group is active in the USA, EU, Africa and the Middle East and provides via its Butterfly SmartCity Network app solutions allowing a city mayor and his various departments to manage his city from their smart phone.

Butterfly SmartCity App users benefit automatically from all the emergency services provided and emergency services are connected via the Butterfly NG112/911 platform.

With advanced geo location inside and outside buildings, help via emergency services with discrete chat, geo location and voice and video streaming as well as community backed emergency services uniting government and private first aid volunteers within the same system, the Butterfly emergency functions can be integrated into any city, municipality or transportation agency.

PayServices has also developed a unique geo fencing tool that “knows” in which municipal areas the person requesting help is situated, providing them with the correct service connection and dispatch.

Butterfly 112/911 can also integrate geo location and management for emergency and disaster, search and recovery missions including time and attendance of team members, daily and mission reports and instructions management, geo location of teams to dispatch the closest or most adequate team to sites. Live streaming and web cam connections are also managed by the Butterfly platform.

Butterfly 112/911 can also geo-locate assets such as generators, team members, vehicles, firemen, police agents in real time etc. The data can be restricted to a number of authorized individuals' smart phones, viewed by field managers or from the back office dispatch center.

Butterfly 112/911 also has a Fix My Street, Fix My Bus or Train, or building functions and can be integrated with maintenance safety and security as a powerful prevention tool.

Butterfly 112/911 works in 28 languages.



Willy Danenberg

International Business Development Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet DroneSAR



DroneSAR is a UAV search & rescue (SAR) platform designed to rapidly execute autonomous aerial search patterns, capture & relay live drone video and offer a first person view (FPV) solution for incident command when coordinating emergency first response. DroneSAR enables the commercially available off the shelf drones (affordable drones) with a range of rescue specific functions. The DroneSAR software will be influential in the global use of drone technology for Emergency Management, response and damage mitigation, as it will reduce the exposure to risk that emergency agencies are continually facing in their response duties, reduce the time taken to locate missing persons and ultimately reduce the cost of providing the emergency response service.

At its most basic level, DroneSAR allows drone pilots to easily choose automatic flight patterns for early stage aerial search. At the next level, DroneSAR allows command and control to view live drone position and live video from any internet browser. The live stream function allows incident control and search management to remotely track the drone, and obtain an “in the moment” first person view of its search patterns and captured high definition footage fed through to connected devices.



Oisín McGrath

CEO

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Would you like to know more? Visit the company's [virtual booth](#).



Meet Egeon Technology



Egeon Technology is a Spanish I+D+i company centered on the technology-of-information area.

It was founded in 2015 by a group of telecommunication engineers with over 20 years of background in the development of electronics. It is specialized in storage and high security data delivery systems and devices.

The company team is made up of qualified members with an expertise in all stages of the development process of the product, from design to serial manufacturing.

The company is currently working mostly on the Internet of Things(IoT) system and product design, offering network connected devices while constantly offering solutions that provide technology to the areas of the activity of each client in a simple and direct way.

Our main differentiation is on the design. All of our products own the intelligence. The device itself chooses the function to execute according to the metrics noted by its sensor and the pre-defined criteria on configuration. This can all be modified based on the needs.

For all this, they can be customized to the needs of the client and not the other way around. We don't offer a product that the client must adapt to.

One of the highlights is that the devices can be remotely modified by the user. Also, the firmware will be automatically updated, wherever the location may be.

We have worked hand in hand with the emergency field. For example, our FIND&RESCUE has been developed for the real-time -management of emergency teams or the TBOX 112 for the automatic emergency call system.

FIND&RESCUE is a telematic system that manages any professional team with activity in hazardous environments. It was initially developed alongside SAMUR Civil Protection of Madrid to be used during the deployment of emergency teams and security squads.

FIND&RESCUE not only provides the geo-location of the device hence the user, but also the vital status of each user, sending alarms whenever a fall, stillness longer than established, shakiness or entering / leaving a limited area occurs.

Every parameter that activates the alarm can be settled by the head of the managing team in real time.

TBOX 112 system has been specifically designed and manufactured to complete the compulsory need of emergency call service from all defibrillator machines. By simply attaching the TBOX112 to the case

or window that contains the defibrillator, the installation and service is effective and maintenance and 112 are from then on connected. Just a simple opening of the case/window to extract the defibrillator will immediately make a call to the 112 that can be heard and responded to with no more devices. A text message will be sent to the responsible person of the maintenance company.

As you can see, in Egeon Technology we work every day to create solutions for each specific need or demand that our customers show us, keeping evolution, innovation and simplicity as our priorities.



Eduardo Corral

Marketing & Communication Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet EMYnet



The communication paradigm is changing and the emergency services systems must also change.

The EMYnet mission is to help public authorities and industry in implementing, testing and deploying Next Generation 112 infrastructures and services with strict adherence to open standards.



Yacine Rebahi

Senior Researcher & Project Manager

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Nemergent**



Nemergent Solutions SL, with headquarters in Bilbao, Basque Country, Spain, is a young company focused on developing and commissioning functional components for creating high quality Mission Critical communications over mobile broadband networks. The Nemergent Mission Critical Services (MCS) application-level software stack is fully compliant with the 3GPP specifications and is proven to interoperate with different vendors to create the end-to-end solution.

Among different international achievements, Nemergent participates in the EENA CrisisTech start-up incubator and the NIST / PSCR Public Safety Innovation Acceleration Program. The work in these programs allows the company to validate the technology and the market positioning strategy in different scenarios.

The company has significant expertise in designing and prototyping novel Public Safety solutions over mobile broadband technologies, including citizen-to-authority and professional first responder communications. All the Nemergent products are software elements, which can be deployed as standalone hardware elements or as virtual instances in the customer's hardware infrastructure or virtualization solution.

Nemergent primarily focuses on the Public Safety sector, but also addresses other mission critical vertical sectors that will be based on evolved MCS solutions such as railways or maritime communications.

The Nemergent MCS system includes Mission Critical Push-To-Talk (MCPTT) components, as specified by the 3GPP since its Release 13, and value-added Mission Critical Video (MCVideo) and Mission Critical Data (MCVideo) services compliant with 3GPP Release 14.

Nemergent's portfolio includes a complete and fully standard MCS ecosystem made up of early implementations concerning MCS Application Servers (AS) and MCS management servers. Additionally, the Nemergent MCS solution includes the MCS Enabler component, which provides a unified communications framework to integrate MCS services with NG112 and MC-IoT systems. Through this component, Nemergent is able to support rapid transitions from currently deployed systems (mainly based on PMR and 112 communications) to novel multimedia-enabled emergency communications (driven by MCS and NG112 technologies).

From the first moment, Nemergent supports the application of open international standards and the creation of an open interoperability framework, where end users benefit for a plethora of new tools for their daily operations. In this sense, Nemergent's core team has participated in different interoperability testing events such as the ETSI NG112 Plugtest and the ETSI MCPTT Plugtest. The open nature of the company promotes the establishment of experimentation links with different complementary companies, including UE vendors, IMS providers and EPC vendors.

Finally, the innovation-driven nature of the company promotes the establishment of research links with different international R&D companies. Nemergent participates in the mission critical use case of the H2020 INTER-IOT project, and through H2020 FED4FIRE+ and 5Genesis projects is already working in some of the first projects devoted to apply MCS services over 5G network pilots in Europe, targeting the evolution and validation of these services in future provisioning schemes.

For further information, please visit <http://nemergent-solutions.com> or contact us at info@nemergent-solutions.com.

You can also follow us on Twitter [@nemergent1](https://twitter.com/nemergent1).



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Would you like to know more? Visit the company's [virtual booth](#).



Meet **RISCalert**



Wendevr Ltd is an Irish company with a mission to vastly improve last mile emergency information communications around the world. Our leading product, RISCalert, is a real-time public alerting platform providing responding state agencies and utility providers with the ability to empower affected citizens with the latest, need-to-know information throughout any type of crisis.

This dedicated platform allows agencies such as police forces, fire services, municipalities, councils, health departments, disaster relief agencies, electric, gas and water providers to directly alert and update geographically-targeted populations right down to house level, providing impacted citizens with life-saving, resilience-building information before, during and after a crisis. These advisories can be sent to one or a million 'at-risk' citizens with updates sent as frequently as desired by the alerting agency.

When a crisis hits, the general public are desperate for vital information they feel might be relevant to them. Currently, in order to build a helpful level of situational awareness, concerned citizens must:

- be aware of social media
- be present on leading social media platforms
- be aware of all local agencies that might potentially respond to different kinds of crises that may occur in the locality
- follow all of those agencies on social media
- be signed up to any other individual emergency app as some agencies have their own dedicated alerting systems
- scroll through all of those agencies' Twitter feeds, Facebook posts, individual websites and a plethora of individual apps in order to find if they are impacted or if they are at further risk
- constantly stay tuned to local radio and TV stations for updates
- frequently repeat the previous set of steps to stay abreast of any additional updates from the various agencies.

Ultimately, people do need information and some level of guidance during an evolving crisis. They seek advice on what they should or should not do. They may need to know where they can go for medical treatment, water, shelter, tools or supplies. They panic call emergency service call centers desperate for clarity and reassurance in the height of an event. Unknowingly, this frantic search for helpful information wastes precious time for both citizens and agencies alike especially in quick-onset, life-threatening situations. For agencies, it further dilutes vital resources such as manpower undoubtedly needed elsewhere during the crisis.

RISCalert significantly reduces much of this waste by providing a channel of direct communication between agencies and every individual within their communities; between the local police officer and his

local community; between the fire officer witnessing a change in a fire's direction and the homeowners that are now in immediate danger of that raging fire. It allows the head of a national emergency management agency to advise one or all residents about an ongoing risk or to direct them as to where they can obtain water and other supplies locally in the aftermath of a disaster. Similarly, it allows electricity providers to quickly acknowledge power outages and to reassure customers, home-by-home if necessary, of estimated return times.

This level of flexibility significantly reduces the need for any of these agencies to set up and staff expensive call centers. As only verified agencies are capable of publishing on the platform, RISCalert eradicates the growing and costly problem of crisis misinformation currently experienced across social media. By creating one trusted source of multi-agency, hyper-local information, responding agencies can focus fully on the immediate crisis, guiding and updating individuals and communities to prepare and respond better to the crisis, strengthening community resilience and its recovery.

We welcome all enquiries and look forward to hearing from you.



Linda Farrelly

Founder

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Would you like to know more? Visit the company's [virtual booth](#).

 SaveSarah

Meet **Save Sarah**



Simple and fast area assessment with drones for emergencies.

A platform for emergency teams to map areas with drones in minutes.

Often you need real-time information of large areas for situational awareness, for example for flood monitoring and search and rescue operations. With SaveSarah you can map large areas using drones in minutes. Due to our parallel processing, our maps are ready in 30 minutes, which is especially important in time-critical situations like search and rescue. Besides, a great advantage of drone maps is that they are 20x higher resolution than satellite or planes at a fraction of cost.



Levente Varga

Founder

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Would you like to know more? Visit the company's [virtual booth](#).



Meet **Záchranka**

Company description:



Medical Information Technologies, s.r.o. is a Czech Republic based start-up providing technology to support the emergency medical services, particularly in the area of mobile applications.

Company characteristic:

At present, our tech solutions are in use via the Záchranka app in the Czech Republic and the Rettung app in Austria. The entire system now has more than 630,000 users and also provides a unique way to enable international EMS compatibility and cross-border cooperation, as proved by its adoption by the mountain rescue services. Since its creation 2 years ago, the system has helped facilitate more than 2,500 rescues by ensuring faster patient location and identification, thus significantly reducing response times for EMS crews. The system is scalable and can be easily adapted for implementation in other countries.

Detailed Overview:

Providing these vital coordinates and other important patient / caller data can easily be done through the EMS mobile app, which uses GPS, A-GPS or WPS to confirm and send the caller's exact position directly to the emergency services, either as an accompanying data package or text message with the emergency call. The app can also send the caller's medical data, next-of-kin contact, battery status, temporary info and more.

The app was tested and developed in cooperation with EMS professionals and provides the most accurate information about the caller's position and identification. Through the app, EMS crews can reach the patient in a far shorter period of time, thereby increasing the patient's overall chances of survival. It also features an interactive First Aid guide with CPR, an intuitive user manual, and a user profile for adding info on existing medical conditions or allergies.

The EMS app is both the official Czech EMS and Mountain Rescue app, and we already launched the same system in Austria together with 144 Notruf Niederösterreich.

The overall concept is for a universal platform, accessible in each country and linked through a single interface, so not only will the app work in the user's home country but also when they travel abroad for business or on holiday. Most significant here are the local points of interest - a handy list of the

nearest 24hr chemists, dentists and ER departments for when users need them most, without the added complication of having to google these in a foreign language.

Users can now register new AED locations through the app – more than 100 AEDs have been added via the system within the Czech Republic alone. It's also an easy way for local authorities to effectively warn the public in the event of large-scale emergencies – via push notifications, automated calls or text messages to all users.

For a complete guide to the EMS app, go to

www.zachrankaapp.cz/en

www.rettungsapp.com



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Would you like to know more? Visit the company's [virtual booth](#).



This publication provides an overview of the EENA Corporate membership, as well as the start-ups of the EENA CrisisTech programme.

For further information, please visit our official website at www.eena.org.

Do you have questions or comments? Contact Jérôme Pâris at jp@eena.org.