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# 5G Technology in Emergency Services

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# The Race for 5G

5G will be a major technology when it comes to creating and enhancing industry digitalization:

- Revenues reached USD 939.
- Related to the digital revolution.
- Could determine the development of other technologies.
- Economic competition has triggered geopolitical conflicts.

# The Technology

The reason why 5G technology is so disruptive relays on:

- **Cell station size:** Will reduce the cost of infrastructure deployment.
- **Energy efficiency:** Will increase the cell phones autonomy.
- **Latency:** Low latencies are the key for other technologies and
- **Connection density:** High CD is needed the rest of parameters in an scenario of continuous growth.

# Use Cases 1/2

The main use cases to come are:

- **Intrusion detection, surveillance and Public safety:** 5G networks will be part of what is been called the Internet of Public Safety Things (IoPST), connecting alerts and Control Centers.
- **Traffic control:** Autonomous driving and interactive communications between “roads” and drivers will need a fast and reliable mobile network.

# Use Cases 2/2

The main use cases to come are:

- **Wearables and Drones:** Using wearables, drones and other devices connected to the network and to the Command Centers will improve professionals' safety conditions.
- **Health:** Major improvements in this field are related with the possibility using tele-care and managing medical data.

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