

## Now that 5G is here, time to get everyone trained

### 5G Training for Everyone

5G is expected to support significantly faster mobile broadband speeds and heavier data usage than previous generations while also enabling the full potential of the Internet of Things.

This training which is the most complete and comprehensive 5G Training focuses on establishing important technical concepts from end to end point of view so that you are able to understand the amazing features of 5G.

### Who would benefit:

This training is aimed for CTOs, Network Managers, Consultants or even graduates. This course provided by our expert in a very clarifying way, will allow you to have a very good understanding of all 5G technical concept with a focus on Radio part NR, New 5G technologies and going through core part with details on IoT technologies and 5G use cases with current deployments.

### Training description

#### 1) 5G concept and use cases

- What is 5G ?
- 5G promises
- 5G use case families: eMBB, URLLC, mMTC
- 3GPP position with 5G
- Services and requirements for vertical sector

## **2) 5G New radio**

- What is spectrum
- What are 5G bands
- What is 5G New radio
- 5G New technologies
- Massive MIMO
- 5G Beamforming

## **3) 5G End to end architecture**

- 5G radio architecture
- Standalone Vs Non standalone architectures
- 5G deployment options
- 4G to 5G migration strategies
- 5G Core architecture
- Network Slicing

## **4) Internet of Things**

- Definition of IoT LPWA networks
- IoT technologies : NB-IoT, LTE-M, and LoRa
- Different kinds of IoT devices
- Description of IoT use cases
- Evolution of IoT technologies to 5G

## **5) Update on 5G deployments and 5G use cases in countries**

- 5G market updates
- 5G operators with spectrum C-band and mmwave
- 5G device update
- 5G spectrum auction cost
- 5G EMF update (Electromagnetic field)