

ABOUT THE 5G EXECUTIVE **TRAINING PROGRAM**?



The 5G Executive Training program in Mobile technologies, 4G, 5G and IoT is aimed at professionals wishing to have an executive view on those technologies, on their use cases and future developments (Cloud, virtualization of mobile networks , NFV / SDN , C-RAN...) as well as in mobile spectrum valuation, Network cost modelling and more...

CONTACT US









CHAPTER 1: Principles of 5G networks

- 4G Evolution
- Introduction to 5G Networks
- 5G Spectrum and Frequency Bands
- 5G New technologies : Massive Mimo, Beamforming, DSS
- 3GPP position with 5G
- 5G Electromagnetic field
- 5G market updates

CHAPTER 2:5G Network Architecture and Implementation

- Interface Radio NR
- Architecture of 5G Access Networks
- 5G core network architecture
- 5G Network Slicing & amp; Use cases
- 5G Planning & Dimensionning
- 5G Practical Coverage Vs 4G

cHAPTER 3:5G loT and application

- Definition of IoT networks
- IoT technologies: Nb-IoT, LTE-M, and Lora
- IoT plateform and IoT architecture
- Description of IoT use cases
- Evolution of IoT technologies to 5G

CHAPTER 4: Network cost moeling: Gbyte Cost and minute costs

- Calculation methodology
- Gbytes cost for operator IN €/GB
- Minute cost for operator cts €/min
- Benchmark between different operators in the world

CHAPTER 5 : Valorization of 5G Spectrum

- Spectrum auction
- Spectrum valuation
- Cost / benefit analysis of spectrum attribution scenarios
- Calculation of the bottom-up spectrum value
- Real practical use case

CHAPTER 6: 5G Use Cases and Business Model

- 5G Business Models and Monetization
- Coo innovation between verticals
- 5G Use case For Industry 4.0
- 5G Use case for Health Focus on Covid 19
- 5G Use case for Automotive industry
- 5G for enterprises
- Combining 5G Technology with Artificial Intelligence

CHAPTER 7:5G evolution and Beyond

- 5G Open RAN and applications
- Mobile Edge computing and 5G
- 5G and Satellite
- · Road to 6G



