

## Live 5G Massive Mimo Technical Workshop for 2 days

This live 5G technical workshop is practical and will help you deeply understand how 5G Massive mimo works from practical side and understand how exactly it could improve your network, with details about pairing capabilities, coverage, capacity assessment, practical optimization, EMF impact, and more ...

For sure you don't need Massive Mimo product in whole your network, we will help you through this workshop to understand how to choose the right product, 64T64R, 32T32R or 8T8R, in order to optimize the Capex and Opex with always improving the user experience.

This training is targeted for your radio technical employees, contact us if you are interested at : **[contact@5GWorldPro.com](mailto:contact@5GWorldPro.com)**

## 5G Massive Mimo & Beamforming technical details for 2 Days (5 Hours per day)

### Who would benefit:

This training is aimed for , CTO, Technical Directors, RF Engineers, Technical consultants, technical manager with a technical RF background.

## Training description for 2 days\_:

### Day 1: Beamforming and Massive MIMO in C-Band with Pairing details

1. 5G 3GPP update and 5G bands
2. Massive MIMO and beamforming Principles (SSB Beams, CSI-RS )
3. Types of beamforming analog, digital and Hybrid
4. 5G practical Coverage comparison
5. Massive MIMO 8T8R Link budget comparison and drive test comparison
6. SU-MIMO and MU MIMO capabilities with 64T64R
7. Practical Pairing with MU MIMO and results
8. How to enhance pairing results practically
9. Practical Massive MIMO capacity assessment
10. Practical Examples from different trials

### Day 2: 5G Massive MIMO planning and Optimization and EMF Control features

1. 5G Massive Link Budget & Propagation models compared with 4G
2. 5G Massive MIMO Beam planning with Coverage scenarios
3. 5G practical coverage difference between 8T8R 32T32R and 5G 64T64R
4. Practical 5G Optimization Issues and Solutions with Massive MIMO
5. Practical 5G interference analysis with 5G Massive MIMO
6. Practical Massive MIMO issues impacting 5G low throughput
7. EMF international limited
8. EMF features proposed by vendors to control impact
9. EMF Simulation