

Flex5Gware PoC teams (Involved partners)



5G PPP projects



Flex5Gware final event

Demonstrations in the "5G PoC ZONE"

Turin

21-22 June 2017

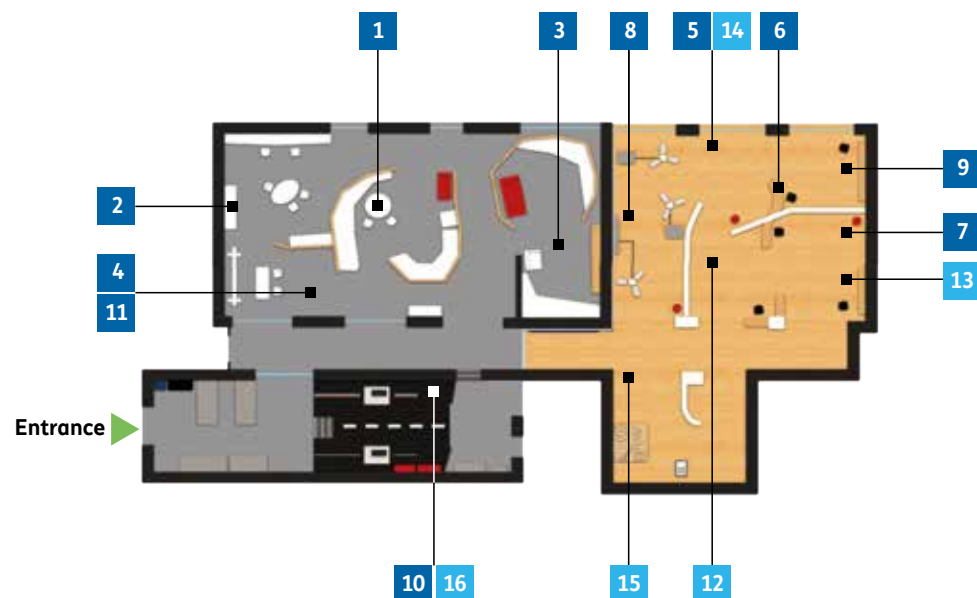


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The “5G PoC ZONE”

The Final Event showcase 11 proofs-of-concept (PoC) from the Flex5Gware project, together with 5 PoCs from other 5G PPP projects.



- 1 **PoC #1** • On-chip frequency generation
- 2 **PoC #2** • Active SIW antennas with integrated power amplifiers for K/ Ka frequency bands
- 3 **PoC #3** • PAPR reduction and power amplifier pre-distortion
- 4 **PoC #4** • Multi band transmitter
- 5 **PoC #5** • Full duplex transceiver
- 6 **PoC #6** • High-speed low power LDPC decoder
- 7 **PoC #7** • HW/SW function split for energy aware communications
- 8 **PoC #8** • Reconfigurable and programmable radio platform and SW programming performed and injected by the network
- 9 **PoC #9** • Flexible, scalable and reconfigurable small cell platform
- 10 **PoC #10** • Flexible resource allocation in CRAN/vRAN platform
- 11 **PoC #11** • Multi-chain MIMO transmitter
- 12 • **Joint demo** with **Coherent** project: “FlexCRAN: Flexible Cloud-RAN Platform”
- 13 • **Joint demo** with **5G-Crosshaul** project: “Network split with integrated fronthaul and backhaul”
- 14 • **Joint demo** with **FANTASTIC-5G** project: “BF-OFDM MIMO transceiver based on software programmable hardware”
- 15 • **Joint demo** with **SPEED-5G** : “Capacity distribution in random small-cell deployments and hierarchical machine learning-based management for RAT/ Spectrum/ Channel selection”
- 16 • **Joint demo** with **5GEx** project: “Cross-Domain Wireless Communication Service”