Building Reusable testbed Infrastructures for validating Cloud-to-device breakthrough technologies

Major Innovation Areas
- Network-controlled open RIS platform.
- Distributed C-FmMIMO processing and synchronization.
- Multi-band and mmWave C-FmMIMO.
- Communication and sensing: RIS and cell-free based approaches.
- Explainable AI and Machine Reasoning For Unified, Zero Touch Orchestration.
- Platform as a Service Abstraction for a self-synthesized compute continuum.

Use Case 1
Metaverse as an enabler of a Modern Workplace

PoC 1: Holoconferencing in a Virtual Meeting room
PoC 2: Virtual Team Building activities

2 Use Case
6G applications for Industry 4.0

PoC 1: Autonomous robots in Industry 4.0
PoC 2: AR inspection of Industry 4.0 digital twin on site

Consortium

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