

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



Major Innovation Areas

- Network-controlled open RIS platform.
- Distributed CFmMIMO processing and synchronization.
- Multi-band and mmWave CFmMIMO.
- 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 Cases

Metaverse as an enabler of a Modern Workplace



PoC 1:
Holoconferencing in a Virtual Meeting room

PoC 2:
Virtual Team Building activities

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

