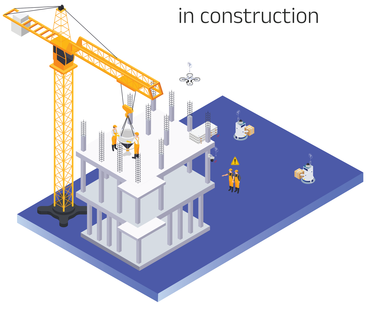
Distributed Artificial Intelligence-Driven Open & ProgrammableArchitecture for 6G Networks

Major Innovations

- Crowdourcing AI to minimize carbon footprint and enable efficient AI/ML in distributed systems.
- Zero-Touch management enabling AI-driven dynamic slice reconfiguration.
- UEs as Virtual Base Station. computing concept.
- Decentralized AI framework for D2D communication based on BDI Agents.
- Sustainable data, through learning representations at the edge and the far edge.
- Closed-loop orchestration in multi-layer and inter-computing scenarios with multiple cooperating stakeholders.

Proofs of Concepts

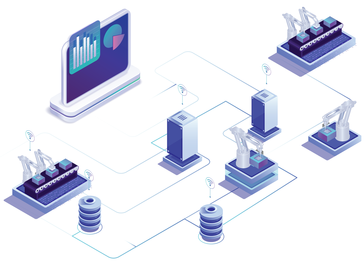
PoC 1
Immersive XR - Holographic Teaching



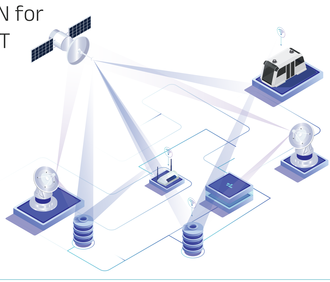
PoC 3
Collaborative robots (cobots) in construction

PoC 2
Industrial IoT (IIoT)

PoC 2.1: Terrestrial 6G IIoT



PoC 2.2: NTN for low-bitrate IIoT



Consortium

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Co-funded by the European Union · 6GSNS

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'ADROIT6G project has received funding from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe research and innovation programme under Grand Agreement No 101095363'