

The logo features the text '6G eXR' in a bold, white, sans-serif font. The 'e' is stylized with a small 'x' inside it. The background is a dark purple gradient with faint, light-colored geometric shapes like a cube and a sphere, and abstract circuit-like lines.

6G eXperimental Research

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University of Oulu

SNS Lunchtime Webinar 1

15 February 2023



6GSNS

www.6g-xr.eu

Project Overview



Full Name: 6G eXperimental Research infrastructure to enable next-generation XR services

Stream: C-01-01

Project Coordinator: Dr Jussi Haapola, *University of Oulu* (?)

Technical Manager: Dr Shahid Mumtaz

Objective: strengthen European leadership in 6G technologies by enabling next-generation XR services and infrastructures that will provide beyond-state-of-the-art capabilities towards the 6G era.

 **15**
partners

 **8**
countries

 **36**
months

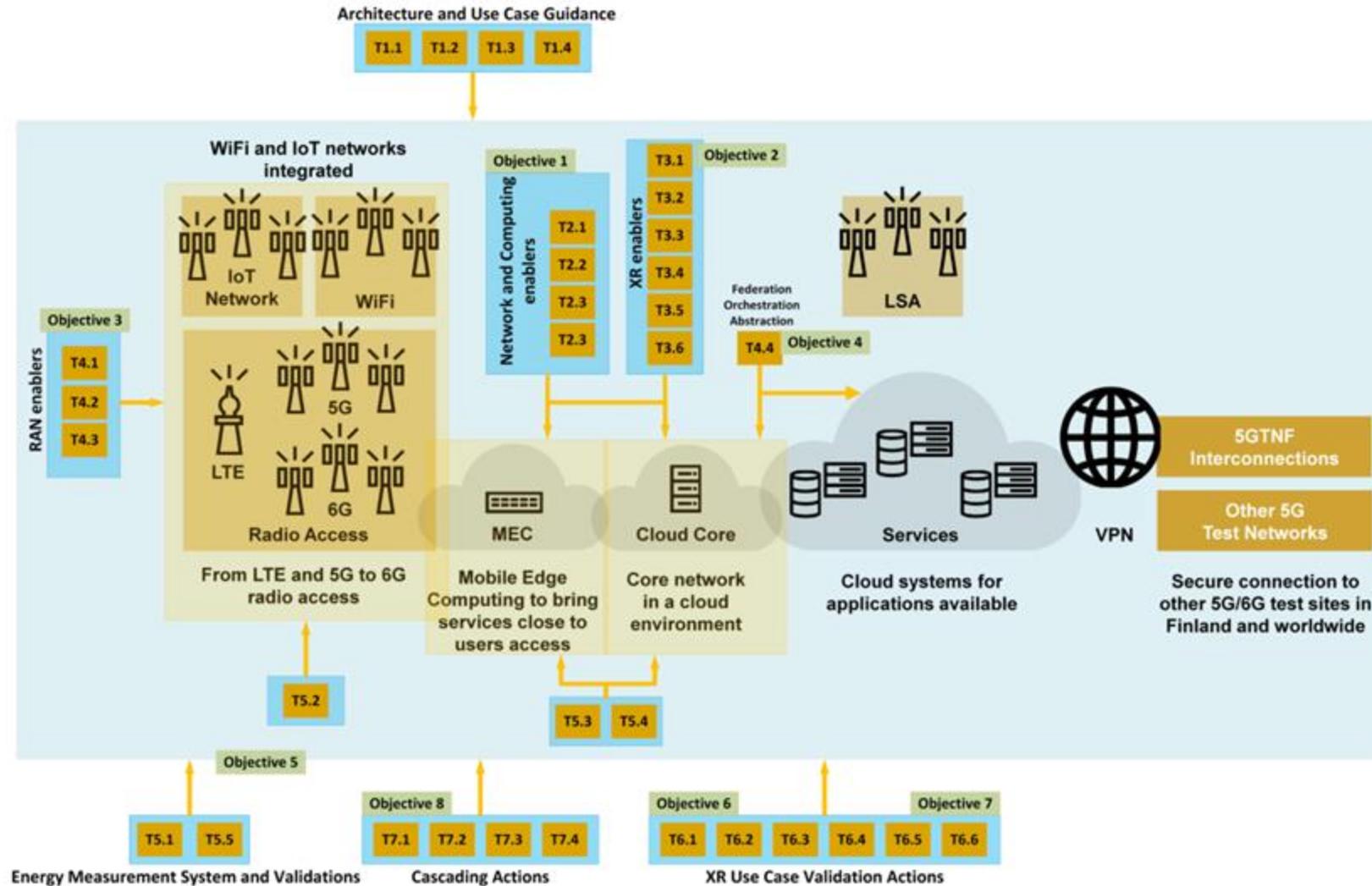
The consortium



Project Key Objectives:

- **Build a multisite Research Infrastructure (RI)** that can provide validation platform for multitude of foreseen (extreme) 6G use cases by developing enablers for networking and computing, radio access technologies beyond 5G, enablers for XR services with in-built federation, trial management, abstraction tools as well as energy measurement framework.
- **Validate multi access edge computing scenarios** and their integration into a complete cloud continuum, support innovative use cases with vertical actors, beyond 5G capabilities, and support showcasing events.
- **Demonstrates and validates performance of innovative 6G applications** with a focus on demanding immersive applications such as holographics, digital twins and XR/VR.

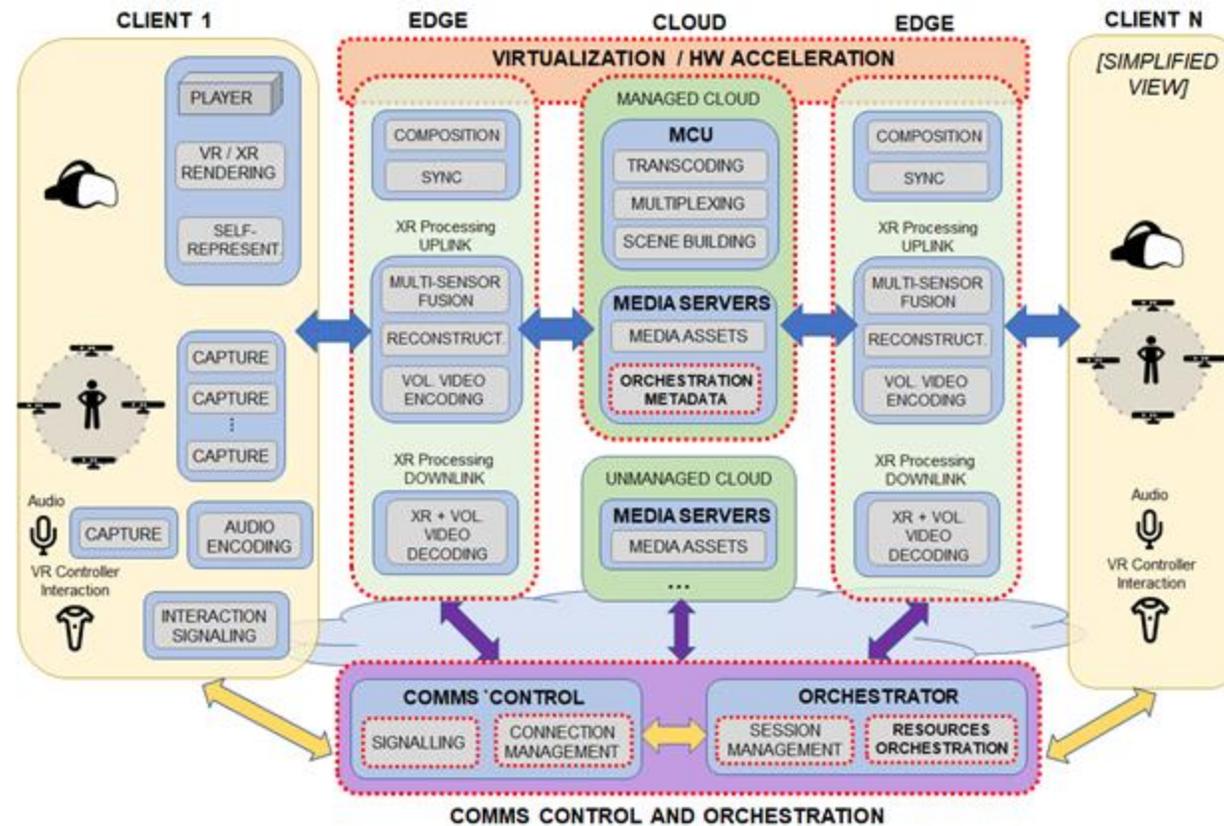
Methodology



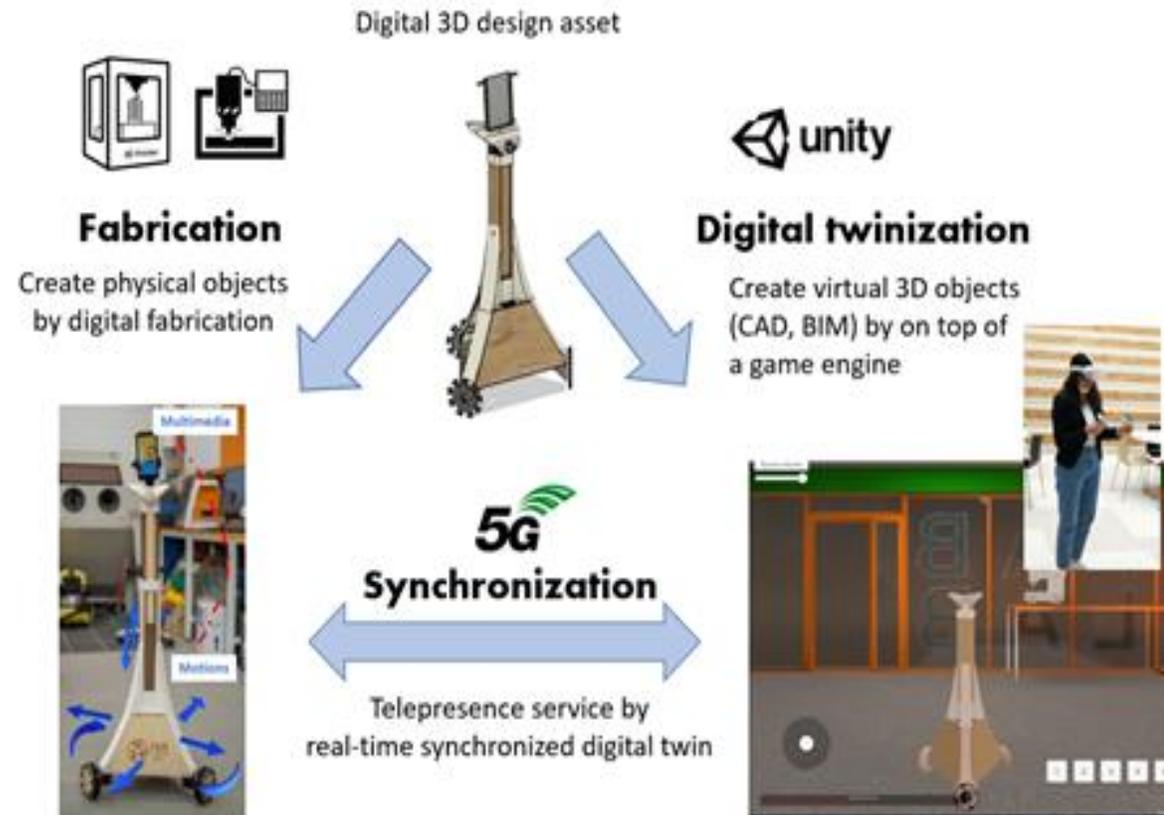
Initial Use Cases



Holographic Communications



Virtual Remote Control in 3D Digital Twins



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Thanks



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Co-funded by
the European Union

6G SNS

6G-XR 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 Grant Agreement No 101096838