6GXR

6G eXperimental Research

Learn more about 6G-XR innovation
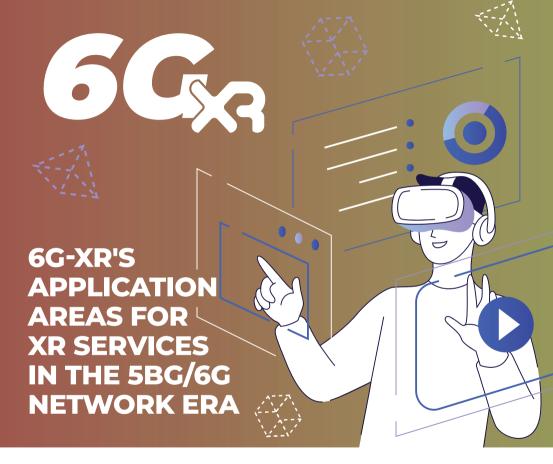
🌐 6g-xr.eu   in @6g-xr   𝕏 @6GXR_eu

SCAN ME TO LEARN MORE ABOUT 6G-XR USE CASES »

Take a look at our Cascaded Actions too!

6GXR

6G-XR'S APPLICATION AREAS FOR XR SERVICES IN THE 5BG/6G NETWORK ERA

🌐 6g-xr.eu   ✉ info@6g-xr.eu

Real-Time Holographic Communications

- **Immersive multi-party interactions** through high-resolution holograms for enhanced AR and VR experiences.
- **Scalable and efficient holographic services** in next-gen 6G environments through advanced edge processing.

360

UC1
Resolution Adaptation or Quality on Demand

UC2
Routing to the Best Edge

UC3
Control Plane Optimizations

Real-Time Holographic Communications

Collaborative 3D Digital Twin-like Environment

Merging digital and physical worlds in VR by enabling **remote collaboration** on 3D printing projects.

UC4

Collaborative 3D Digital Twin-Like Environment

Energy Measurement Framework for Energy Sustainability

UC5

Energy Measurement Framework for Energy Sustainability

Real-time **energy consumption** monitoring and optimization across next-gen network infrastructure through machine learning.

Research infrastructures

Use case test trials across 6G-XR's North and South Node facilities

6G-XR North Node
UOULU 5GTN & **VTT 5GTN**
Finland

UOULU 5GTN
VTT 5GTN

6G-XR South Node
i2CAT TESTBED & **5TONIC**
Spain

5TONIC
i2CAT TESTBED