6G VERTICAL: Decentralized Applications for Next-Generation Networks

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PROJECT VISION
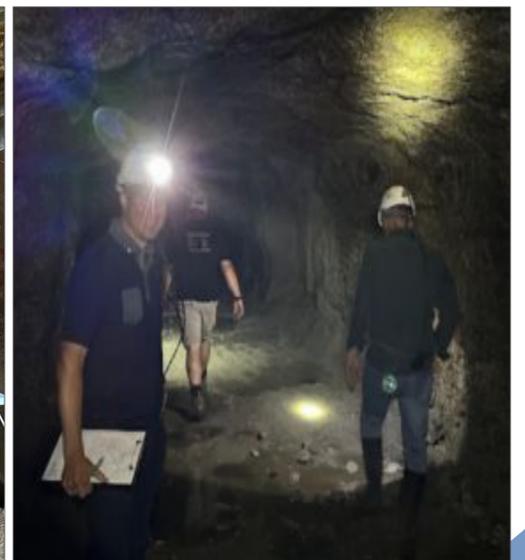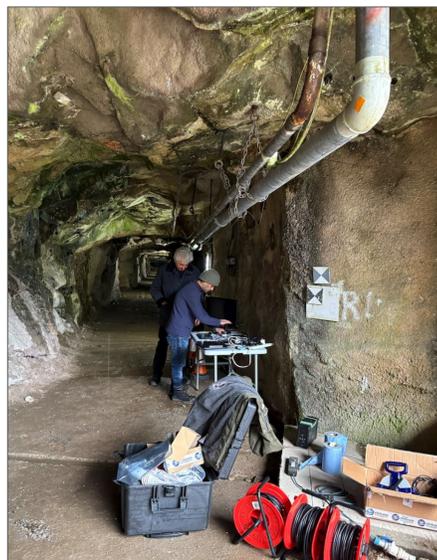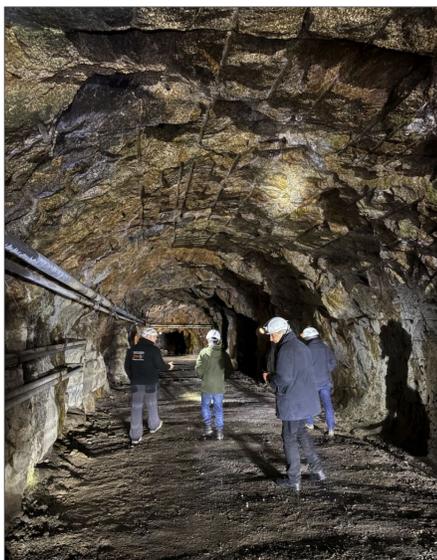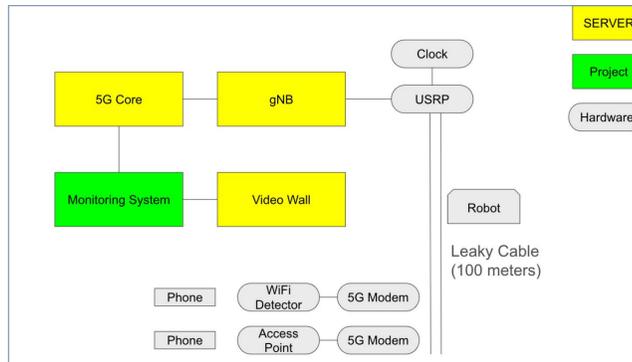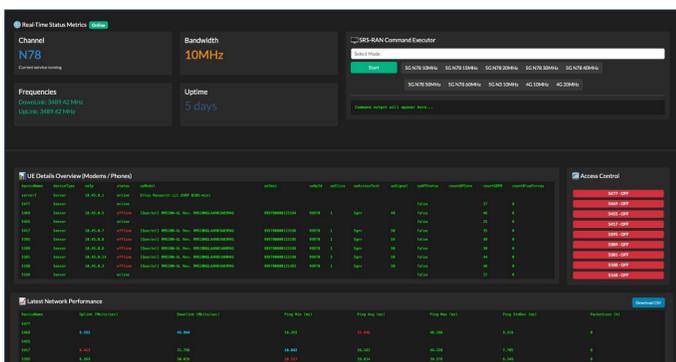
This initiative explores **operator-independent, decentralized vertical** applications built on advanced **5G/6G** capabilities. The goal is to enable **secure, resilient, and autonomous network** services for industry-specific use cases where traditional centralized connectivity is insufficient or unavailable.

CORE CONTENT

We develop a suite of **vertical applications for 5G and 6G** networks designed to operate independently of traditional cellular operators. We work toward a **robust, adaptable system** that works across diverse environments and hardware, **from sensor networks to satellite-linked hubs.**

Target Verticals

- ✓ Mines & Underground Sites
- ✓ Remote Manufacturing Sites
- ✓ Underwater Infrastructure
- ✓ Remote Farmlands
- ✓ Post-Catastrophe Zones
- ✓ Smart Transportation Corridors (Air, Land, Sea)
- ✓ Energy Grids & Autonomous Power Systems
- ✓ High-Altitude Research Sites

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