



Use Case 7: Smart village engagement services

Deployment of low-latency immersive communication solutions enabling real-time remote music education and interactive expert collaboration (e.g., 3D welding) across geographically distant locations.

MEDIA



THE LARGE SCALE TRIAL



8/10 April 2026



Norwegian University of Science and Technology (NTNU) & Fornebu in Oslo

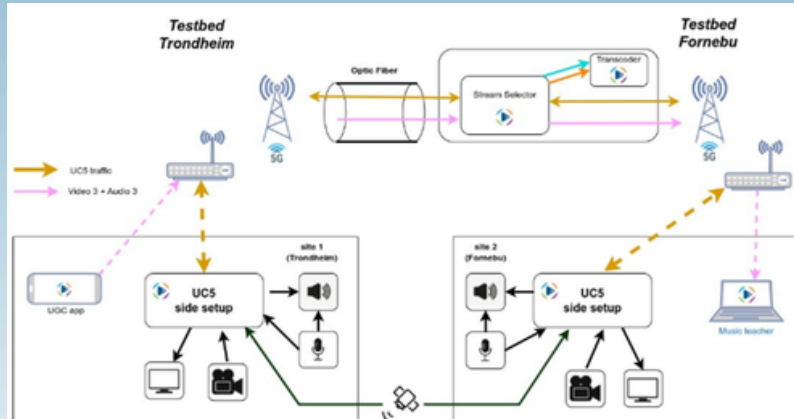


Telenor - Ektacom - NTNU

The LST of UC7 was conducted in mid-April across two sites in Norway, separated by 520 km. The trial demonstrated real-time remote collaboration scenarios, including online music teaching (both one-to-one and group sessions) and interactive “show and tell” for tasks like 3D welding. Participants from Telenor, Ektacom, and NTNU acted as teachers, students, and operators, showcasing how UC7 enables immersive, low-latency interaction and expert guidance across distances, even in areas with limited local expertise.

THE OBJECTIVES

- Demonstrates application elasticity under varying network conditions, especially latency and jitter.
- Enables multi-site real-time communication using multiple independent wireless devices streaming audio and video.
- Explores user experience across diverse setups, devices, and mixed usage scenarios.



Key Value Indicators (KVI) in Use Case 7

ENERGY EFFICIENCY

Reduced energy use in use case configuration and impact

DIGITAL INCLUSIVITY

Reduced energy use in use case configuration and impact

INCLUSIVITY/ REPRESENTATIVE

Reduced energy use in use case configuration and impact

SECURITY

Security matches sensitive nature of user and data

TRUSTWORTHY

Create dependability of service for potential user
Able to perform the session successfully, no matter their location