



**T LABS**  
Research. Develop. Impact.

# ENTANGLEMENT BREAKS BARRIERS

The Quantum-Lab aims to generate, transmit and detect entangled photonic states to:

- Evaluate the suitability of industrially used networks for the transmission of quantum mechanical states
- Integrate and test prototypes of quantum memories
- Utilize entangled states in future communication protocols
- Build more powerful, secure, and resilient networks.