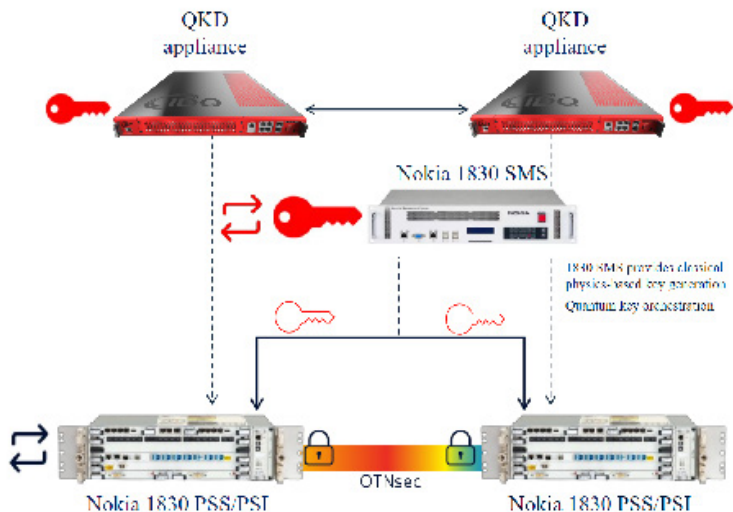


# Resilient and Scalable Quantum-Safe Networking

**NOKIA - ID Quantique**  
Quantum-Safe Network demonstration at OFCnet '24



Quantum Key Distribution (QKD) is a unique architecture that utilizes classic physics and quantum mechanics-based entropy supporting encrypted optical links. The demonstration uses commercially available components to construct a highly resilient and scalable Quantum-safe Network.

**The solution is deployable today** for scaling across large networks and extending to higher network layers. We utilize common optical encrypting transponders in the Nokia 1830 PSI-M optical transport system with centralized, symmetric key distribution orchestrated by the Nokia 1830 SMS security management server. Quantum keys are generated by IDQ's Cerberis XGR QKD system and are overlaid with the classic key distribution system.

More info

