

Quantum Communications Testbed NL (QuCT NL)

The Quantum Communications Testbed NL (QuCT NL) is a field-deployed infrastructure for the development and validation of quantum key distribution (QKD) and quantum-safe communication technologies. Automotive Campus participates in this national testbed, which is distributed across multiple locations including Eindhoven University of Technology, Automotive Campus, High Tech Campus and WeConnect.

The testbed enables testing of hardware, networking equipment, software components and communication protocols under realistic network conditions. It supports multiple technology readiness levels and allows integration of new technologies into existing communication infrastructures.

QuCT NL focuses on future-proof secure communication for connected and autonomous mobility, smart infrastructure and high-tech automotive systems. Real-world deployment enables early validation of performance, robustness and long-term security. The testbed is accessible to Dutch and European partners, with international participation possible upon review.

For more information, please contact:

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