EIT Opto-Routing

Latvia Quantum Communication Optical Cable 2 Cores

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Overview

The project, named Lat-LitQN, is financed by the European Union under the Connecting Europe Facility (CEF) for telecommunications and aims to create and test a secure communication network between the two countries using quantum technologies. As of now, all 27 EU Member States have committed to working together alongside the European. The implementation of the project "Development of experimental quantum communication infrastructure in Latvia" (Project name in English "Development of experimental quantum communication infrastructure in Latvia", Project number: 101091559, Project acronym: LATQN Call: DIGITAL-2021-QCI-01). However, the 'LATQN' consortium members cannot accept liability for any inaccuracies or omissions, nor do they accept liability for any direct, indirect, special, consequential, or other losses or damages of any kind arising out of the use of this information. Vyacheslavs Kashcheyevs, University of Latvia Responsible person from ISSP UL: Dr. Andris AnspoksC Project partners: University of Latvia, Riga Technical University, Institute of Mathematics and Informatics of the University of Latvia Total.

Europe has an ambitious quantum strategy - and Latvia's in that

As Europe increasingly focuses on its technological sovereignty in quantum computing and communications, Latvia is positioning itself to take a leading role in the Baltic and wider Northern

Internet and TV provider in Riga - Balticom

Balticom team works every day to ensure that as many people as possible will have access to high-speed optical Internet, a large list of channels and a reliable home telephone. We take an honorable

Latvia, Lithuania jointly launch project to develop quantum

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LatQN Project concludes with the creation of the first quantum

This autumn marks the successful conclusion of the ambitious three-year project, " DevelopmentofexperimentalquantumcommunicationinfrastructureinLatvia"(LatQN). The project reached its

Development of experimental quantum communication infrastructure

In essence, the creation of this optical connection and its subsequent testing mark a significant stride in the project's journey, reflecting a dedication to excellence in bridging geographical gaps and

Latvia Develops the First Quantum Key Distribution

Within the European Union co-financed project "European Quantum Communications Initiative", Latvia is developing the national quantum network

Development of experimental quantum communication infrastructure in Latvia

Development of possible qualification parameters and test methodology for quantum optical infrastructure has been completed; The dissemination and exploitation plan has been finalised.

Development of experimental quantum communication infrastructure

This document suggests that QKD performance be evaluated through a series of tests where, for each pair of optical links, line loss is increased until communication failure.

Latvia-Sweden subsea cable damaged in Baltic Sea

The Latvian government has suggested in a statement that the cable was damaged due to âEUR~external factors.âEUR(TM) Early on January 26th, the

Quantum-Secure Transmission - Technology for Future

Quantum-secure transmission is the key to future data protection in a world where quantum computers are becoming a reality. Latvia's role in this

Optical fibers fit for the age of quantum computing

However, the cable networks used today to transmit information across the globe are likely to be sub-optimal for quantum communications, due to the solid cores of their optical fibers.

LUMII

Some of the partners have concluded procurement procedures for the supply of quantum technology equipment. The process is expected to be fully completed for Consortium in the last quarter of the year;

Latvian fiber-optic cable damaged in Baltic sea / Article

An underwater fiber-optic cable in the Baltic Sea was damaged early on Sunday, January 26, morning, the Latvian State Radio and Television Center

Development of experimental quantum communication infrastructure

As a result of the Project, a national level experimental QKD network will be developed, including integration in the existing communications networks of the Project partners.

Europe has an ambitious quantum strategy - and Latvia's in that

Latvia, too, has its quantum ambitions that align with Europe's. In recent years, 14 Latvian organizations - universities, research institutes, and the public sector - have joined forces

Deploying advanced national QCI systems and networks

On 11 February 2021 Latvia has signed the EuroQCI declaration joining other European countries to build a quantum communication infrastructure spanning the EU and its overseas territories (EuroQCI).

Latvian Quantum Technologies Initiative

This initiative is a part of European and global effort to develop and apply a range of technologies based on quantum phenomena that will bring revolutionary changes in computing,

How Many Cores Do You Need in Your Fiber Optic

Fiber optic cables are the backbone of modern internet infrastructure, but choosing the right one can be tricky. One key factor is the number of cores,

Development and piloting of Latvia-Lithuania cross-border quantum

Lat-LitQN aims to develop and pilot the first cross-border quantum communication backbone between Latvia and Lithuania, providing secure Baltic link to interconnected pan-European quantum-safe

Building the Quantum Supercomputers of Tomorrow

In a landmark achievement for quantum technology, a team of physicists at the University of Oxford has successfully connected two quantum

News

Latvia creates the Baltic region's first quantum communications backbone - national-level quantum communications infrastructure system and network development project has been completed This

Latvia working on 'quantum communications' network

The results proved that this technology can be used to improve security in Latvia's communications infrastructure and data transmission, and confirmed the need to prepare for

The National Armed Forces monitor the situation involving an

The National Armed Forces monitor the situation involving an submarine optical fiber cable in the Baltic Sea Today, on January 26, the Naval Forces of the National Armed Forces

Development and piloting of Latvia-Lithuania cross-border quantum

The project aims to establish a ~300 km cross-border Quantum Communication Infrastructure (QCI) backbone connecting Riga, Panevezys, and Vilnius. This infrastructure will ensure ultra-secure data

Development of experimental quantum communication infrastructure in Latvia

The project "Development of experimental quantum communication infrastructure in Latvia"(ProjectNo:101091559,Projectacronym:LATQNCall:DIGITAL-2021-QCI-01)has been launched

Quantum Fusion: Seamlessly Integrating QKD Optical Networks into

This initiative promotes collaboration between EU member states, aiming to ensure that secure quantum communication services are available across Europe. Through this project, Latvia is

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