



## 5G Corridor project – 5G-BALTICS

### Uninterrupted 5G Coverage Across the Via Baltica Corridor



### The project in a nutshell

This project aims to advance Europe's digital connectivity by deploying robust 5G infrastructure along the Via Baltica corridor, a vital transport route linking Estonia, Latvia, and Lithuania. Aligned with the EU's vision for smarter and more sustainable mobility, it builds on previous studies to meet the growing demand for faster, more reliable digital communication services.

The initiative focuses on ensuring uninterrupted 5G coverage across the 663.2 km corridor through the deployment of both active and passive infrastructure, prioritizing seamless cross-border connectivity. It supports the EU's Gigabit Society and Sustainable and Smart Mobility strategies by enabling continuous, high-speed mobile networks.

Key activities include installing up to 8 new 5G sites in Estonia, 27 sites and 195 km of optical infrastructure in Latvia, and 15 towers with 20 active infrastructure sites in Lithuania. Special emphasis is placed on border crossings to ensure consistent coverage.

By enhancing digital infrastructure, the project fosters smarter, greener, and more efficient transport systems while boosting connectivity for citizens and businesses. It accelerates regional digital transformation, driving innovation, economic growth, and social cohesion in line with EU goals for a connected and competitive Europe.

The project consortium is coordinated by TalTech and consists of ELASA (Estonia), TELIA (Estonia), Elisa (Estonia), TELE2 EE (Estonia), TET (Latvia), Via Lietuva (Lithuania), Tele2 LV (Latvia), Tele2 LT (Lithuania) and Telia LT (Lithuania).

### Key facts

**Length:** 663.2 km

**Corridor:** Via Baltica road cross-border sections:

1. Ikla/ Ainaži (N 57.874446, E 024.381302);
2. Grenctāle/ Saločiai (N 56.27463888888889, E 24.365472222222223).
3. Kalvarija (N 54.30894559883535, E 23.12085568392167)



**Total EU grant:** 8,287,283.50 € (50%)

**Project duration:** 36 months (January 2025 – December 2027)

**Transportation mode:** Rail and Road

**Spectrum bands:** 700 MHz radio frequency band, 3400-3800 MHz radio frequency band spectrum

**Service / Use cases:**

- Seamless 5G connectivity in key cross-border sections



## What will it provide?

The project will provide uninterrupted, high-speed 5G connectivity along the entire Via Baltica corridor, spanning 663.2 km across Estonia, Latvia, and Lithuania. This enhanced digital infrastructure will ensure:

1. Reliable cross-border 5G connectivity;
2. Improved mobility services;
3. Enhanced digital services for businesses and citizens;
4. Greater regional integration within the Baltic region;
5. Economic growth and innovation support;
6. Alignment with EU's Sustainable and Smart Mobility and Gigabit Society strategies.

## How will the project unfold?

The project will unfold over a 36-month period, focusing on the deployment of advanced 5G infrastructure along the Via Baltica transport corridor to ensure uninterrupted cross-border connectivity across Estonia, Latvia, and Lithuania.

In the initial phases, the project will involve detailed planning and coordination among the partners, including telecom operators and national authorities, to identify the optimal locations for infrastructure



development. This will be followed by the construction and installation of both active and passive 5G infrastructure.

In Estonia, up to 8 new 5G sites will be installed along the 192.2 km section of the corridor. Latvia will develop 195 km of optical infrastructure and establish 27 new 5G sites, covering 203 km of its segment. Meanwhile, Lithuania will construct 15 radio base station towers and up to 20 active infrastructure sites along its 268 km section of Via Baltica.

Special emphasis will be placed on ensuring seamless coverage at border crossings to eliminate connectivity gaps. The project will progress in alignment with the EU's standards and policies for 5G deployment, including regular monitoring and reporting to ensure its objectives are met.

As the infrastructure is completed in stages, the project will focus on testing and fine-tuning the network to ensure reliability and uninterrupted service. The final outcome will be a fully operational, high-speed 5G network covering the entire Via Baltica corridor, contributing to smarter, greener, and more sustainable mobility across the Baltic region.

## How is it financed?

The project is funded by EU/CEF Digital Grant programme.

**Total EU Contribution:** €8,287,283.50 (50%)

## About

The ambition of the GUIDE project is to bring together the relevant stakeholders from the ecosystem of 5G Corridors across the European Union (EU) and to help them get the maximum value from the CEF Digital programme, ensuring that future CEF Digital work programmes progressively address the actual needs of the stakeholder communities.

Follow us on [LinkedIn](#) for the latest updates on the CEF Digital programmes.

<https://guide.5gcorridors.eu/>

