



## 5G Corridor project – 5GCarolinaPlus

### CCAM Services for Highway Corridors & Border Crossings Between Germany and Czechia



### The project in a nutshell

The 5GCarolinaPlus project leverages the historic trade and business ties between Germany and Czechia to foster renewed cross-border collaboration, while addressing the transformation needs of the Carlsbad and Tachov regions. By deploying advanced 5G infrastructure, the project will deliver uninterrupted CCAM services across 85 km of cross-border corridors and 9 border crossings.

These efforts aim to enable innovative use cases for Smart Communities while supporting commercial initiatives like automated mobility projects led by OEMs. This initiative seeks to accelerate the economic and social development of these historically coal-mining regions, transforming them into centers of education, R&D, and high-tech innovation.

The project's consortium consists of Deutsche Funkturm (Germany) and T-Mobile Czech Republic.

### Key facts

**Length:** 35 + 50 km

**Corridor:** Munich (DE) - Prague (CZ) + Nuremberg (DE) - Carlsbad (CZ)

**Total EU grant:** €7,000,000.00 (50%)

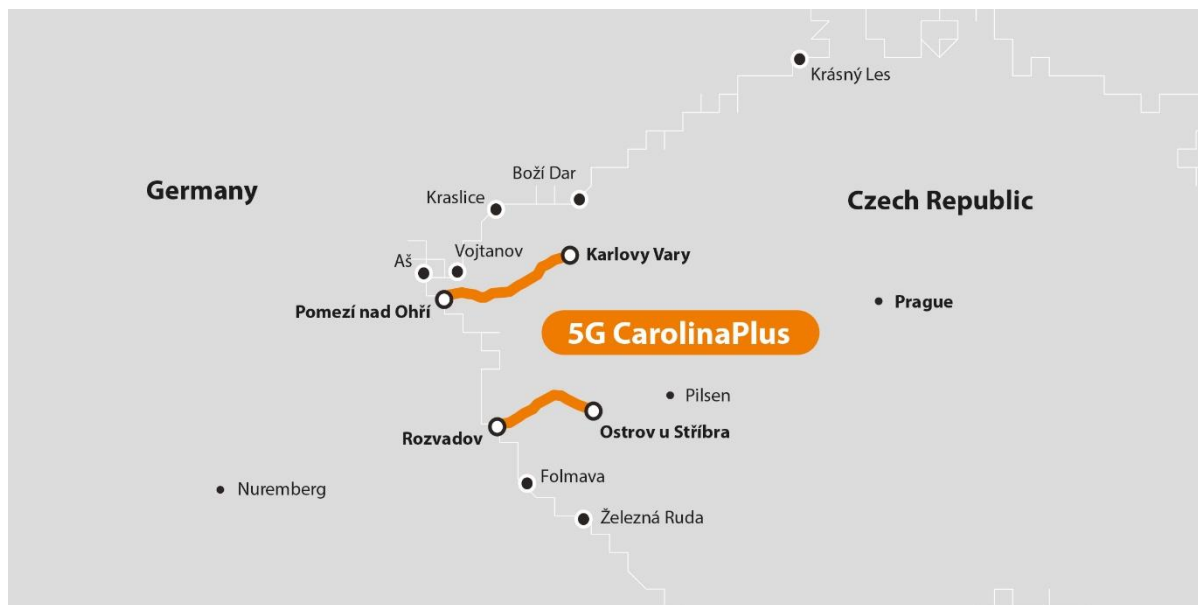
**Project duration:** 36 months (January 2025 - December 2027)

**Transportation mode:** Road

**Spectrum bands:** C-band

**Service / Use cases:**

- 5G CCAM Services
- Terrestrial Coverage
- OEM Use Cases (e.g. Collision Avoidance, Platooning, V2X)
- Public & SED Use Cases



## What will it provide?

The 5G CarolinaPlus project will establish 5G connectivity across a total of 85 km of cross-border corridors and cover 9 border crossings between Germany (5 in Bavaria and 4 in Saxony) and Czechia. This infrastructure will provide high-capacity, low-latency, and highly stable 5G CCAM services (C-band), enabling advanced use cases for Cooperative, Connected, and Automated Mobility (CCAM).

The services will benefit a wide range of stakeholders, including the public, socio-economic drivers (e.g., Smart Communities), and commercial actors (e.g., OEMs), fostering innovation, connectivity, and economic growth across the region.

## How will the project unfold?

The project will upgrade and equip more than 50 existing and 22 new high cell towers with C-band 5G technology, providing CCAM services across the Carlsbad and Tachov regions, which are socio-economically underdeveloped areas bordering Germany.

The deployment will support two key use cases, showcasing the potential for:

1. **Smart Community projects** such as waste management, public transportation, and healthcare.
2. **Commercial initiatives**, including OEM-led projects for automated mobility.

These efforts aim to foster regional socio-economic development and stimulate entrepreneurship by unlocking the potential of 5G-enabled technologies and services.



## How is it financed?

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

**Total EU Contribution:** €7,000,000.00

## More information

[5GCarolina](#)

## 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/>

