

## 5G Corridor project fiche – 5G DeLux

**5G DeLux: Seamless 5G cross-border mobility between Germany and Luxembourg**



### The project in a nutshell

5G DeLux is a joint effort between Telekom Deutschland, Post Luxembourg and BMW Group that aims to enable high-performing network coverage and a seamless handover of connected devices when crossing the German-Luxembourgish border. This seamless handover solution should be a blueprint solution for intra-EU borders.

### Key facts

**Length:** 98 km

**Corridor:** Frisange (Luxembourg) - Aspelt/Altwies - Saarbrücken (Germany)

**Total EU grant:** €6,338,325.50

**Project duration:** 36 months (January 2023 – December 2025)

**Transportation mode:** Road

**Spectrum bands:** 700 MHz, 900 MHz and 3.6 GHz

**Standards:** 3GPP

**QoS:**

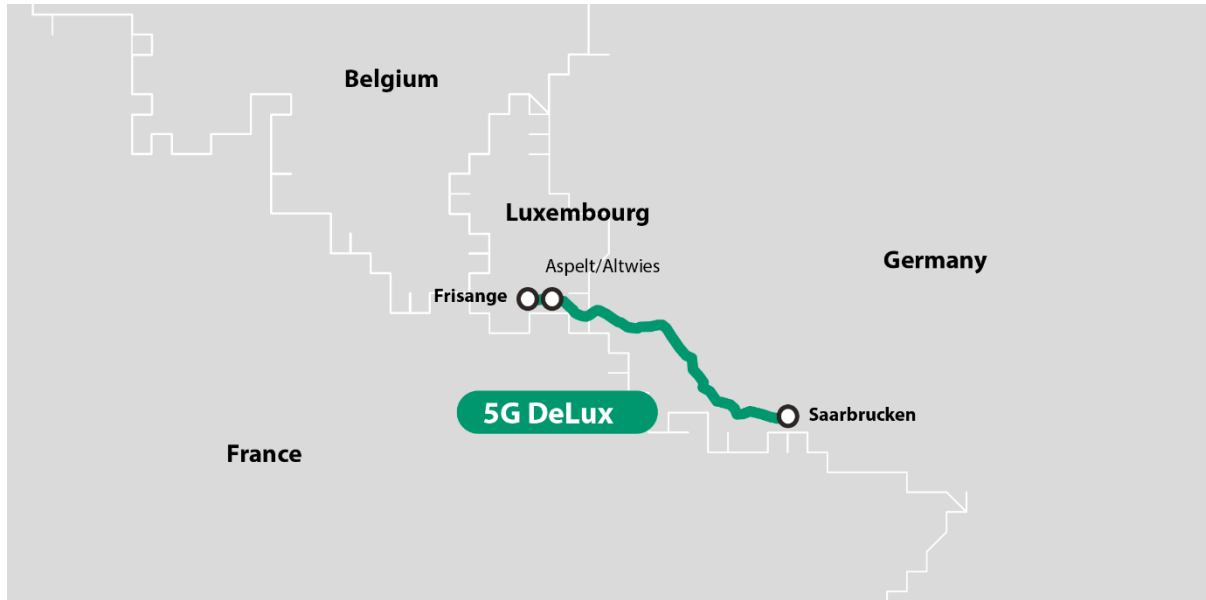
- Coverage
- Download/Upload Rate
- Latency
- Call Drop Rate

**Service / Use cases:**

- Uninterrupted calls
- Handover of ongoing data sessions to/from foreign PLMN



- Data calls / Video Conferencing without significant interruption
- High capacity, low latency for use cases like road security / live warning systems/map services/autonomous driving / etc.



## What will it provide?

The project will cover the motorway section from Frisange (Luxembourg) to Saarbrücken (Germany) at the border crossing near Schengen and provide seamless 5G cross-border Connected Automated Mobility (CAM). The project will also develop a new network feature, including new operator interfaces. The feature will comply with legal provisions regarding lawful interception or the ubiquitous availability of emergency calls. The ultimate goal is to increase user experience by reducing the number of call drops and reducing interrupted communication caused by network reselection.

## How will the project unfold?

The first milestone is to launch a 4G solution by mid-2024, followed by a solution for 5G by the end of 2025.

## How is it financed?

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

**Total EU Contribution: €6,338,325.50**



## More information

[Funding and tenders project page](#)

<https://guide.5gcorridors.eu/wp-content/uploads/2023/10/delux.pdf>

## 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.

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

