



5G Corridor project fiche – MEDCOR5G

MEDCOR5G: Mediterranean Corridor 5G and V2X network for future CAM services in cross-border section between France and Spain



The project in a nutshell

Led by Tradia Telecom in collaboration with Cellnex France, this project aims to establish uninterrupted 5G coverage along the cross-border sections of the Mediterranean corridor, focusing on areas where market investment in passive/active infrastructure is lacking.

The goal is to ensure continuous coverage, maintaining a high-quality service to support Connected Automated Mobility (CAM) services. The project involves the construction of new radio sites in regions with limited or no 5G coverage, benefiting various stakeholders, including Mobile Network Operators (MNOs), road/rail infrastructure operators, and Original Equipment Manufacturers (OEMs).

Key facts

Length: 548 km, 220km of which in Spain and 328 in France

Corridor: Barcelona – Figueres (Spain)/ Perpignan - Montpellier – Toulouse (France)

Total EU Grant: €5,204,747.96

Project duration: 36 months

Transportation mode: Road & Rail

Spectrum bands: 700MHz and 3.5Ghz

Standards: 3GPP Rel-15, 5G/C-V2X and DSRC/ ITS-G5

QoS: Coverage; Download/Upload Rate; Latency; Call Drop Rate

Service / Use cases:

- Uninterrupted calls
- Handover of ongoing data sessions to/from foreign PLMN
- ITS G-5 / C-V2x coverage to support Connected Automated Mobility services.



What will it provide?

MEDCOR5G aims to establish seamless and uninterrupted 5G coverage along the cross-border segments of the Mediterranean corridor. This involves deploying infrastructure in regions where market investments have fallen short in establishing crucial passive and active infrastructure. The initiative is designed to benefit diverse stakeholders, including Mobile Network Operators (MNOs), road/rail infrastructure operators, and Original Equipment Manufacturers (OEMs).

MEDCOR5G lays the foundation for MNOs to deploy 5G infrastructure along a substantial 328 km stretch of roadway in France and 220 km in Spain. This commitment ensures continuous coverage and maintains a high-quality service level, specifically catering to the support of Connected Automated Mobility services.

To achieve this goal, the initiative includes the construction of new radio sites in regions with inadequate or non-existent 5G coverage levels. This strategic action is poised to address critical connectivity gaps and elevate the overall 5G landscape in the targeted areas.

How will the project unfold?

In a first phase, MEDCOR5G will analyse and determine the 5G coverage gaps along the cross-border Spain-France Mediterranean corridor, proposing the deployment of new passive and active equipment that will enable Spanish and French MNOs to ensure seamless 5G coverage in 700MHz and 3,5Ghz bands.

In a second phase C-V2X infrastructure will also be deployed to enable future CCAM services along the highways.



How is it financed?

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

Total EU Contribution: €5,204,747.96

More information

[Funding & tenders \(europa.eu\)](#)

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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