



5th Generation connected and automated mobility cross-border EU trials

Project Introduction

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 951867

Consortium

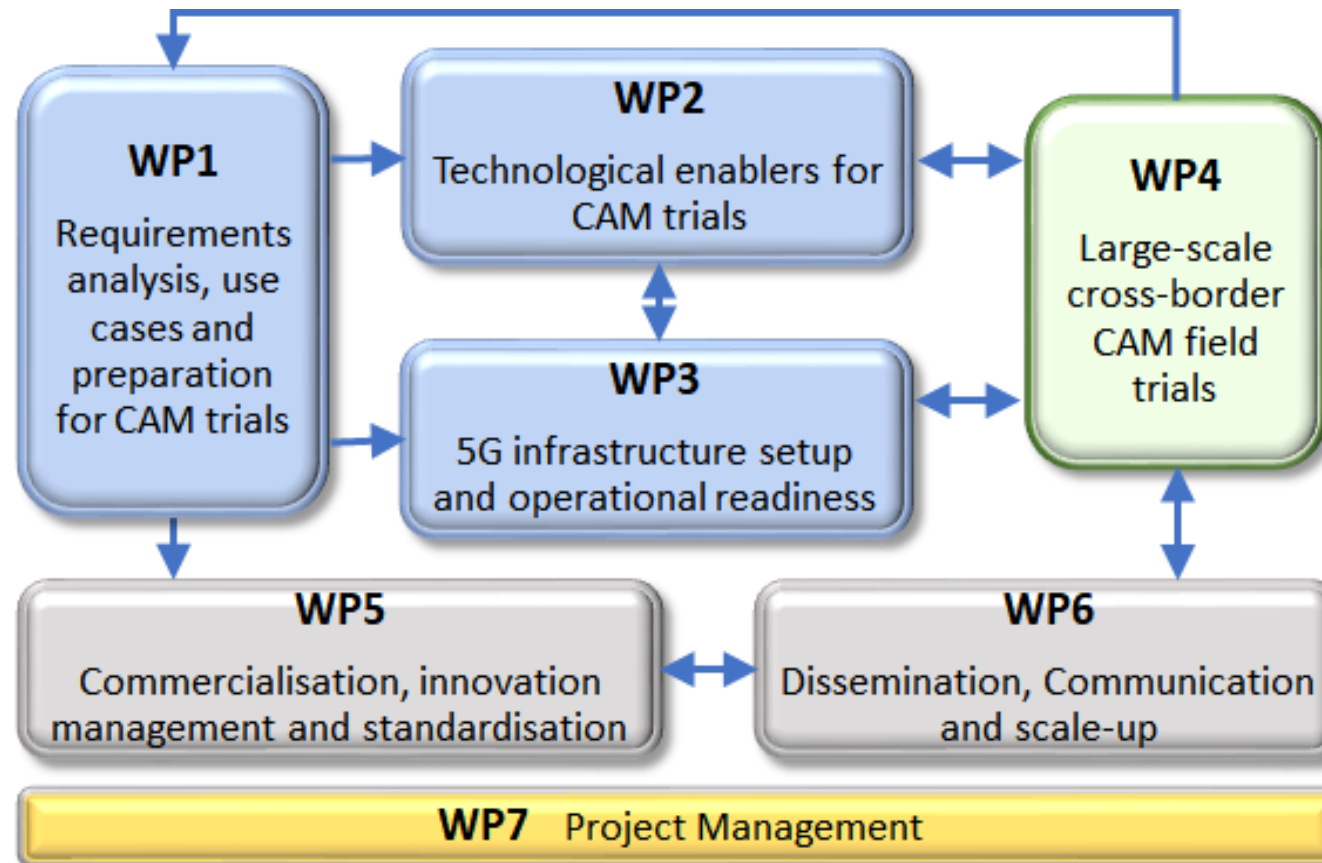


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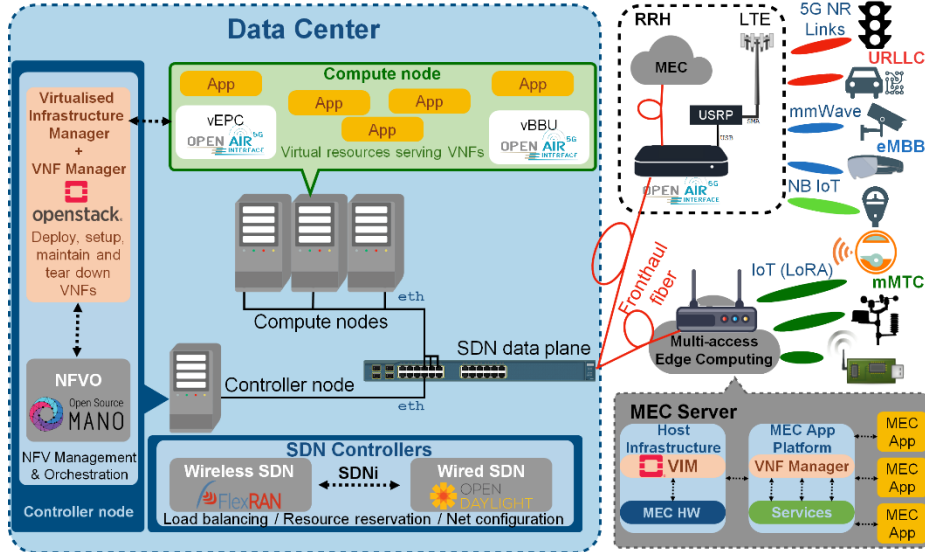
Project Coordinator



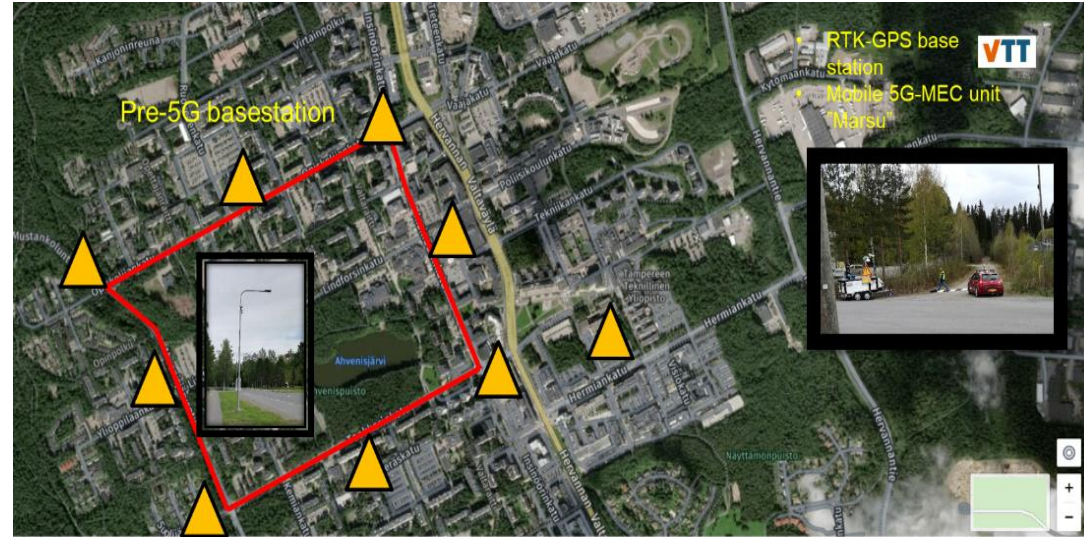
- To conduct **advanced field trials** of most representative and innovative **CAM applications** seamlessly functioning across a designated **5G cross-border corridor** spanning across 3 EU member states borders (Latvia-Estonia-Finland) in order to validate the latest 5G features and 3GPP specifications (R.16 & R.17) **under realistic conditions.**
- Accelerate the widespread deployment of **5G E2E interoperable CAM ecosystems** and services in digitized motorways, railways and shipways throughout Europe.



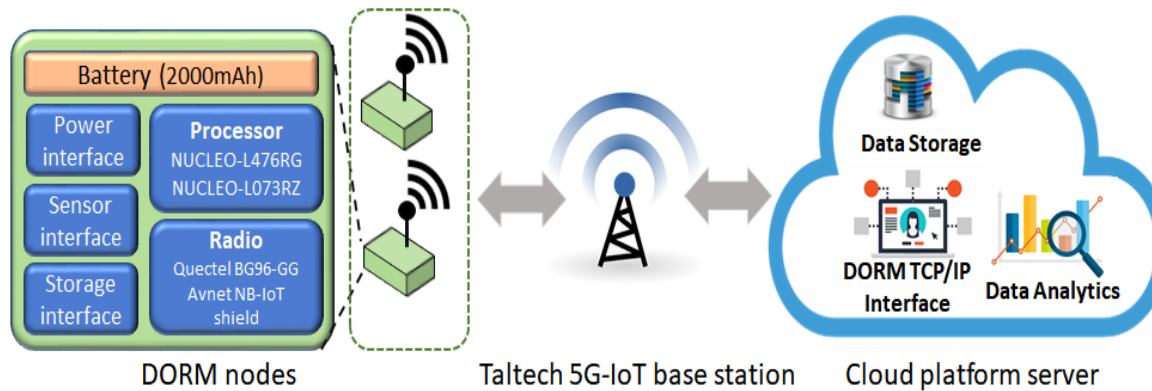
Lab trials



CTTC 5G testbed in Barcelona

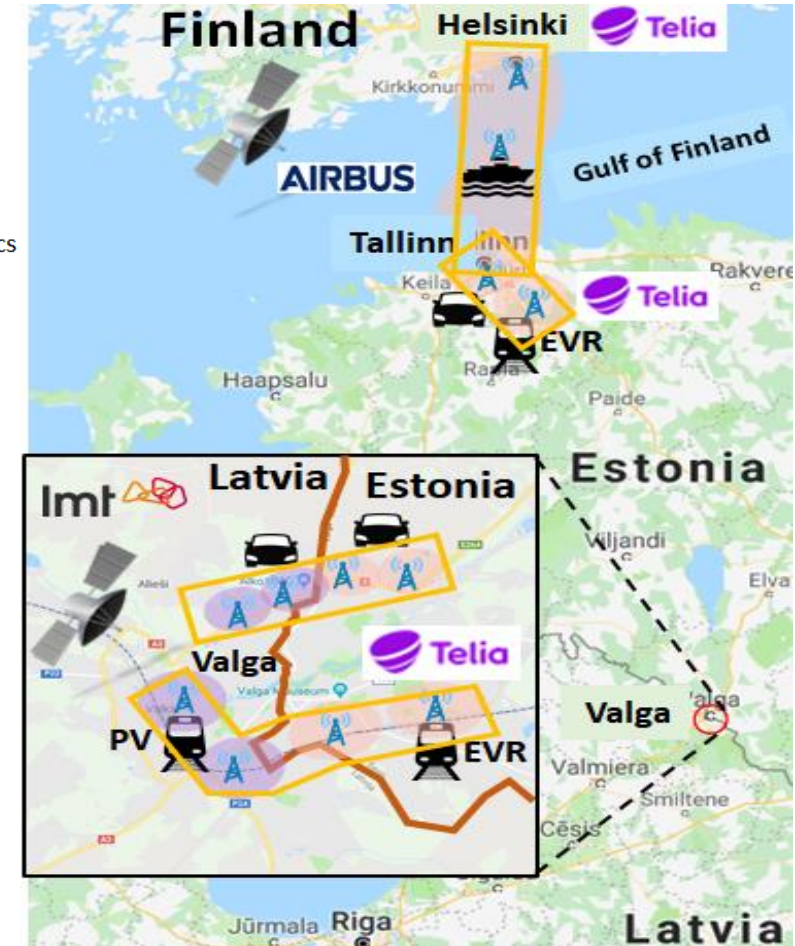
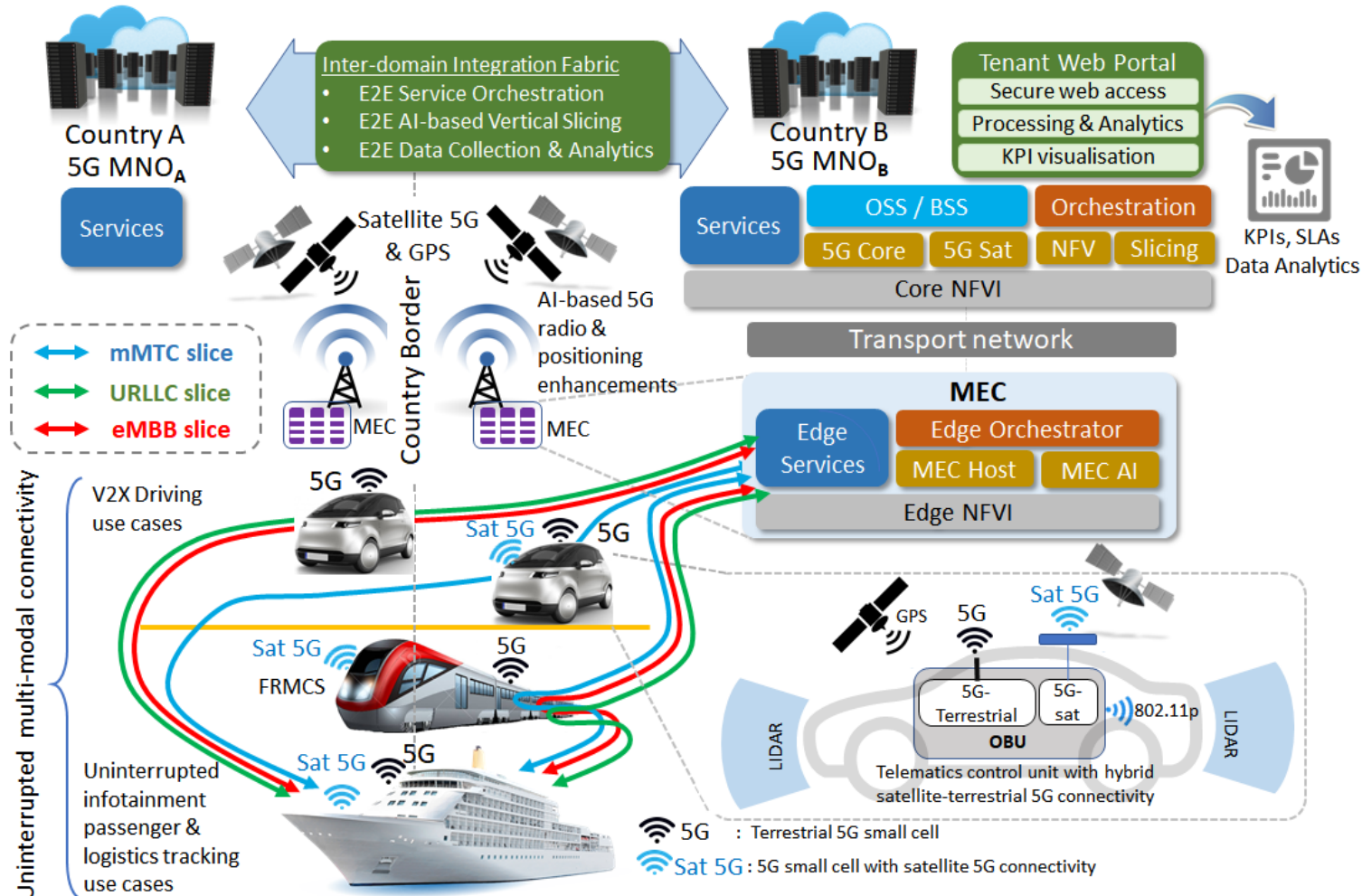


VTT test site facility in Tampere

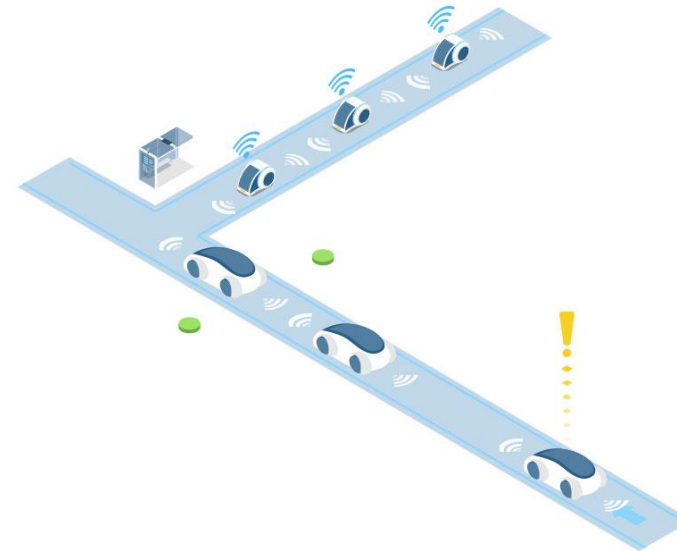
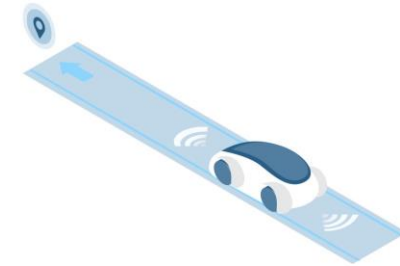


TalTech 5G test site facility in Tallinn

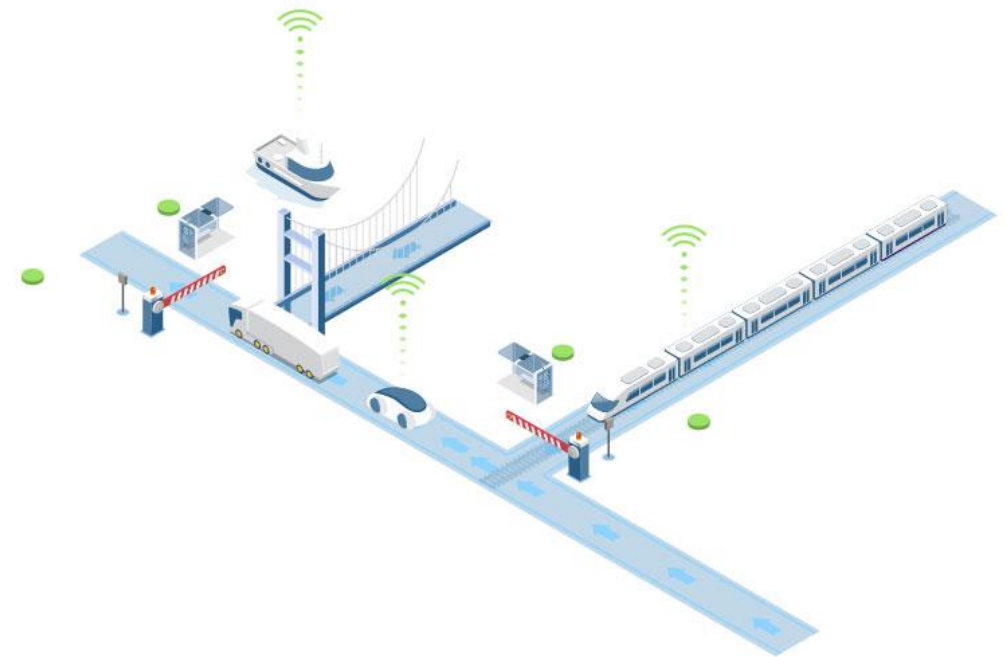
Large-scale field trials



- Automated Cooperative Driving (E264 motorway)
 - Dynamic vehicles platooning (V2V)
 - Cooperative lane change (V2V)
 - See through view for safe automated overtake (V2V, V2N)
- Awareness Driving (E264 motorway)
 - Real-time traffic info and cooperative intersection collision control (V2V, V2N, V2I)
 - Traffic jam chauffeur (V2V)
- Sensing Driving (E264 motorway)
 - Sensor info sharing (V2V, V2I)
 - Connected maintenance (V2N)
 - VRU collision avoidance (V2D, V2P)



- Uninterrupted infotainment passenger services on the go
 - 360° immersive multi-user gaming on the go
 - 3D real-time virtual collaboration on the go
- Multimodal services
 - Goods tracking visibility in multimodal cross-border logistics
 - 5G-based Proactive and Multimodal Management of Passengers and Freight
 - (FRMCS telemetry operation) passengers' infotainment, railway from Estonia ↔ Latvia



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Thank you for you attention!

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