Introducing the 5G-MOBIX project and Finland Trial Site

Webinar on the results and insights from the 5G-MOBIX Finland Trial Site
16 June 2022, 14:00 – 15:00 CET

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5GMOBIX

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 825496

5GMOBIX

ABOUT

- EU funded Innovation action (H2020-ICT-18-2018)
- November 2018 – July 2022
- 50 partners from 11 countries in Europe
- 10 non-EU funded partners from China and South Korea

OBJECTIVES

Accelerate deployment of 5G at cross-border areas

- Carry out trials along X-border corridors to assess 5G capabilities for CCAM
- Qualify the 5G-infrastructure and evaluate the benefits of 5G within the CCAM context
- Identify spectrum allocation gaps, contribute to standardisation and 5G CEF preparation

Technical

Business

Define deployment scenarios & recommendations including x-border context

- Perform cost/benefit analysis and impact assessment
- Identify new business opportunities for 5G-enabled CCAM
- Investigate legal, regulatory and security issues

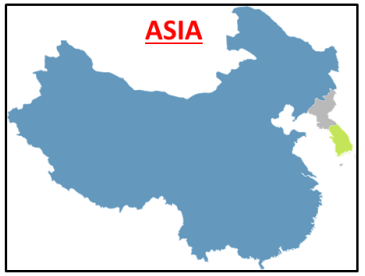
5GMOBIX

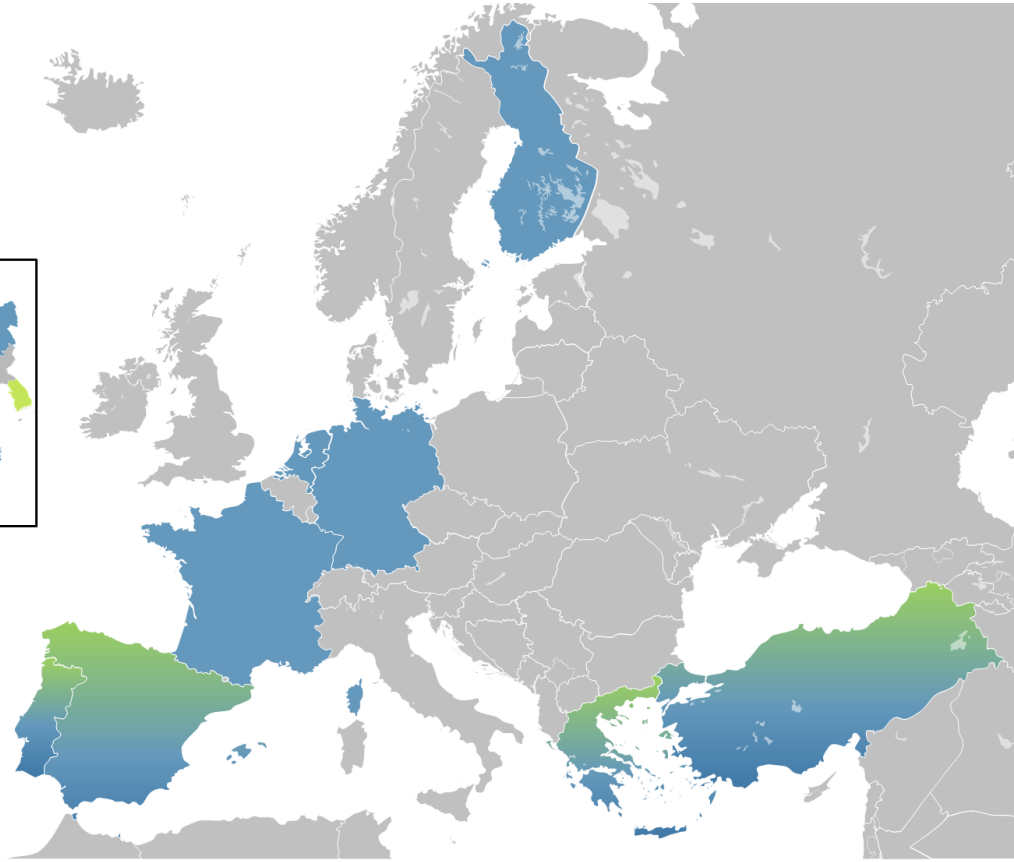

Telecom & Connectivity
ISEL
Telefónica
Choose it all
CATAPULT
Satellite Applications
instituto de telecomunicações
SIEMENS
Ingenuity for life
kpn
Fraunhofer
IAO
ict SNETICT
INTRASOFT
INTERNATIONAL
COSMOTE
GTARC
GERMAN TURKISH
ADVANCED RESEARCH CENTRE FOR ICT
imec
Centro de Computação Gráfica
Investigação & Desenvolvimento Tecnológico
Research & Technological Development
Infraestruturas de Portugal
Ligamos destinos
norte litoral
NOS
DAI-Labor
Distributed Artificial Intelligence Laboratory
WINGS
ICT SOLUTIONS
TIS
MOVIMENTO INTELIGENTE
TURKCELL
TEKNOLOJİ
ERICSSON
uni.lu
UNIVERSITÉ DU
LUXEMBOURG
vicomtech
visual interaction & communication technologies
ETRI
Electronics and Telecommunications
Research Institute
DAZZLEE
NOKIA
R&D
Aalto University
TU/e
Technische Universiteit
Eindhoven
University of Technology
Where innovation starts
ERTICO
Business
VTT
CTAG
AKKA
PASSION FOR
TECHNOLOGIES
TNO
innovation
for life
A-to-Be
Powered by Brisa
ENSIEY
ICCS
DEKRA
POLITÉCNICA
ALSA
DGT
Dirección General de Tráfico
FORD OTOSAN
INSTITUT
VEDECOM
TÜBİTAK
AEVAC
LUXEMBOURG
INSTITUTE OF SCIENCE
AND TECHNOLOGY
LIST
CONCELLO
DE VIGO
CNHTC
Valeo
UNIVERSIDAD DE
MURCIA
sensible 4
SELF-DRIVING EVERYWHERE
IMT
INSTITUTO DA
MOBILIDADE E DOS
TRANSPORTES, I.P.
山东省科学院
SHANDONG ACADEMY OF SCIENCES
KATECH
5GMOBIX
Automated driving

5G-MOBIX Trials

LOCATIONS

- *2* Cross-Border Corridors (CBC)
- *4* complementary European Trial Sites (TS)
- *2* complementary Asian Trial Sites (TS)





NETWORK

- *30* 5G gNBs
- ***NSA*** Architecture (potential for evolving to ***SA***)

VEHICLES

- *24* SAE L4 automated vehicles

USE CASES

- *5* use case categories based on 3GPP TS 22.186, focusing on x-border operation

Advanced Driving	Vehicles Platooning	Extended Sensors	Remote Driving	Vehicle QoS Support

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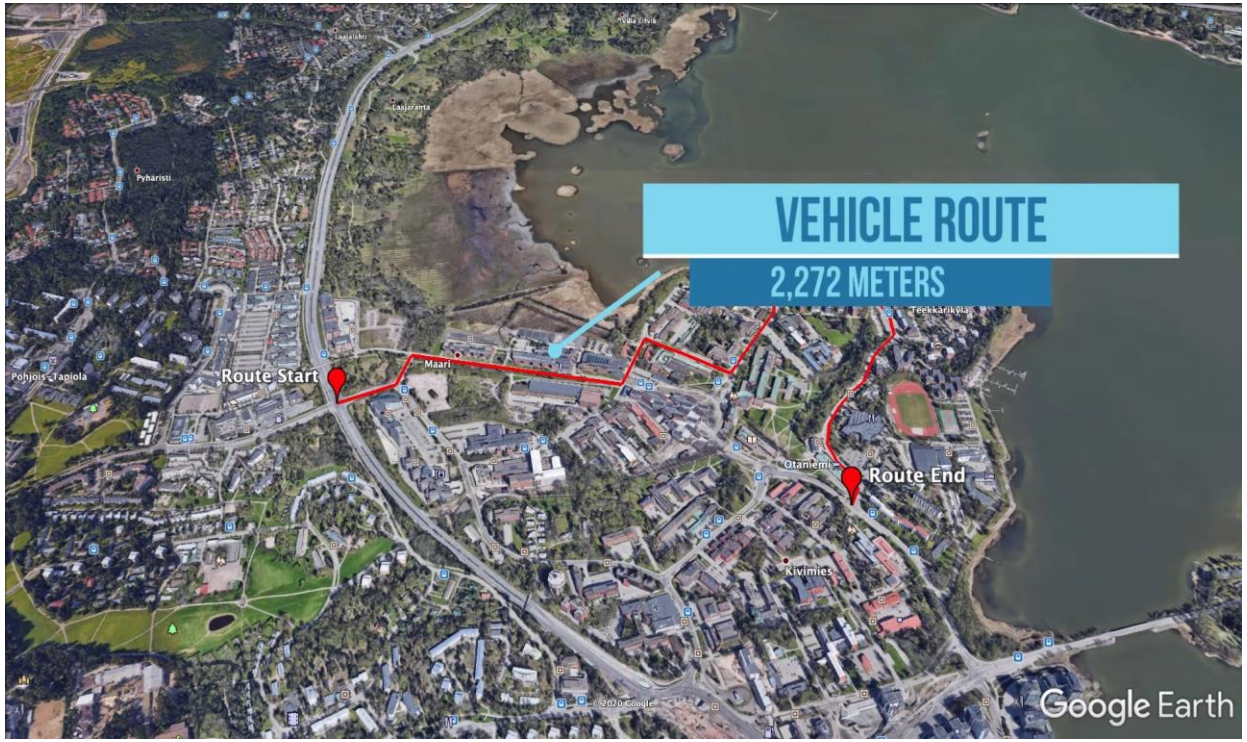
FINLAND Trial Site

The FINLAND Trial Site (TS)

FITS	
Partners	Aalto University School of Electrical Engineering; sensible4
Location	Espoo, Finland
Networks	Aalto 5G test networks (NSA and SA mode) Commercial networks (NSA)
MECs	2 MECs
Vehicles	1 automated vehicle (SAE L4) + various connected vehicles
OBUs	Multi-SIM OBUs
Use cases	1. Extended sensors 2. Remote driving



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5G Finnish Open Research Collaboration Ecosystem 5G-FORCE

HIIT HELSINKI INSTITUTE FOR INFORMATION TECHNOLOGY

ACADEMY OF FINLAND

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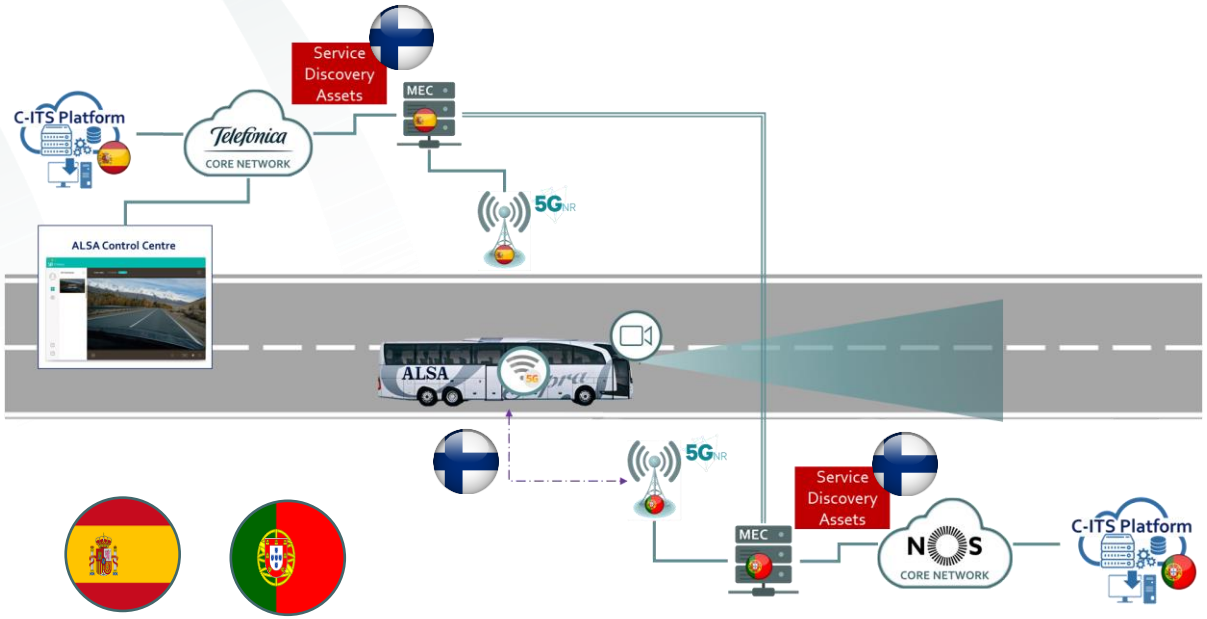
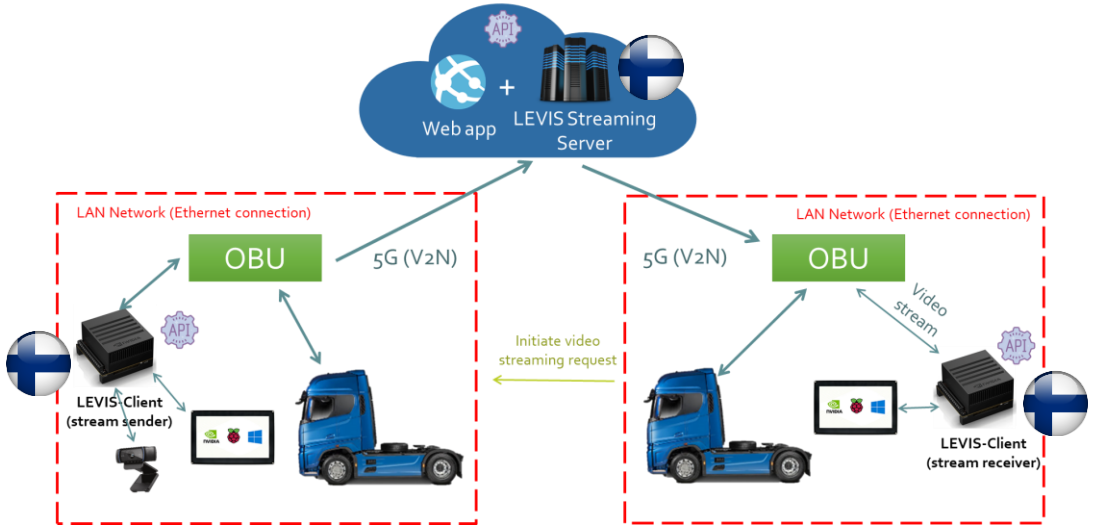
FI-TS Contributions to Cross-Border Corridors (CBCs)



- Testing Multi-SIM operation in a CBC
- Edge service migration for HD Maps user stories



- Live video streaming server/client for See-What-I-See user story

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Q&A

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www.5g-mobix.com

Aalto University
School of Electrical
Engineering

sensible4

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