

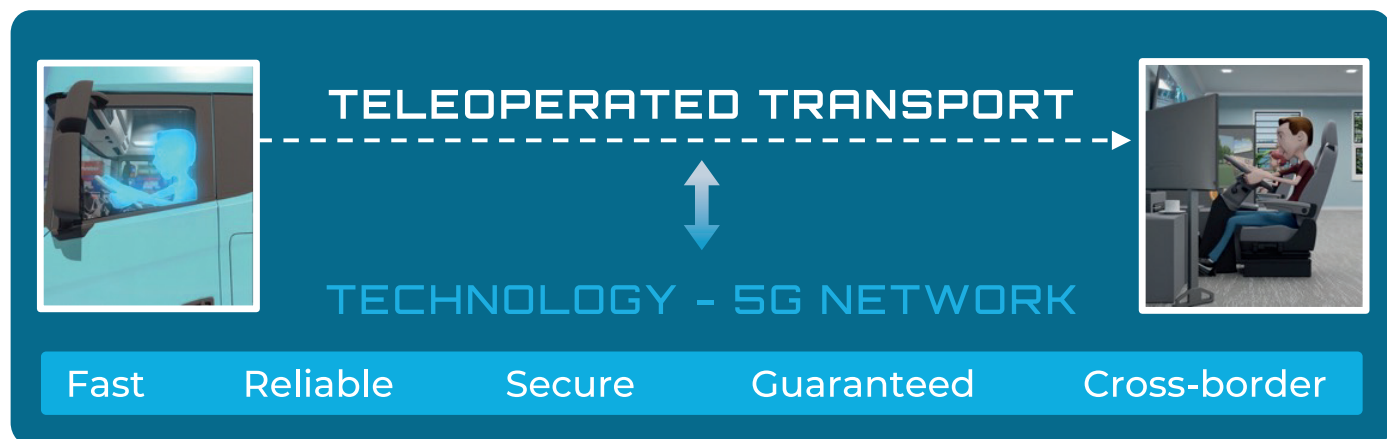


5G BLUEPRINT

Next generation connectivity for
enhanced, safe, and efficient
transport and logistics

5gblueprint.eu

IN SHORT



ECONOMICS

- Reduction of waiting time
- Reduction of labor shortage
- Economic growth
- Safer driving
- Automated mobility facilitator
- Complex business model

GOVERNANCE

- MNO SLA's
- ToD service SLA's
- Legislation
- Certification
- Liability
- Data sharing and GDPR

OBJECTIVES

TECHNOLOGICAL

- Design and implement a 5G network for Connected and Automated Mobility services.
- Develop and implement a prototype of a teleoperated system.
- Implement and deploy enabling functions guaranteeing safety or increasing value.
- Validate an end-to-end teleoperated transport solution supported by 5G in real-life cross-border scenarios.

BUSINESS

- Perform 5G teleoperated transport market analysis.
- Present commercial possibilities.
- Present the role of teleoperated transport based on 5G in Connected and Automated Mobility.
- Promote the adoption of teleoperated transport based on 5G connectivity.

GOVERNANCE

- Identify regulatory and governance issues.
- Recommend actions.



USE CASES

Automated barge control



Remote takeover



Automated docking



CACC-based platooning



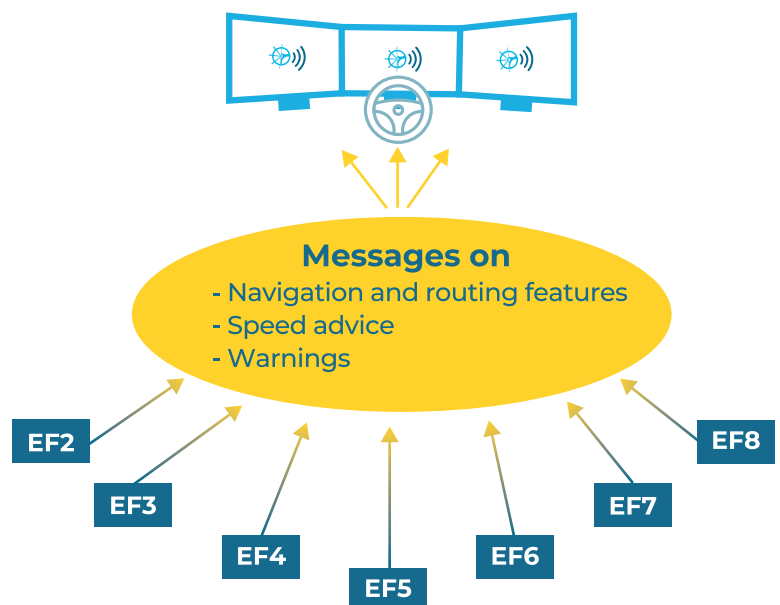
Teleoperated crane



ENABLING FUNCTIONS

EF1	Enhanced Awareness Dashboard
EF2	Vulnerable Road User (VRU) Interaction
EF3	Time Slot Reservation at Intersections
EF4	Distributed Perception
EF5	Active Collision Avoidance
EF6	Container ID Recognition
EF7	Estimated Time of Arrival Sharing
EF8	Scene Analytics

TELEOPERATION COCKPIT



5G PILOT SITES



CONSORTIUM



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THIS PROJECT IS PART OF THE 5G PUBLIC AND PRIVATE PARTNERSHIP

5G PPP WWW.5G-PPP.EU

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