

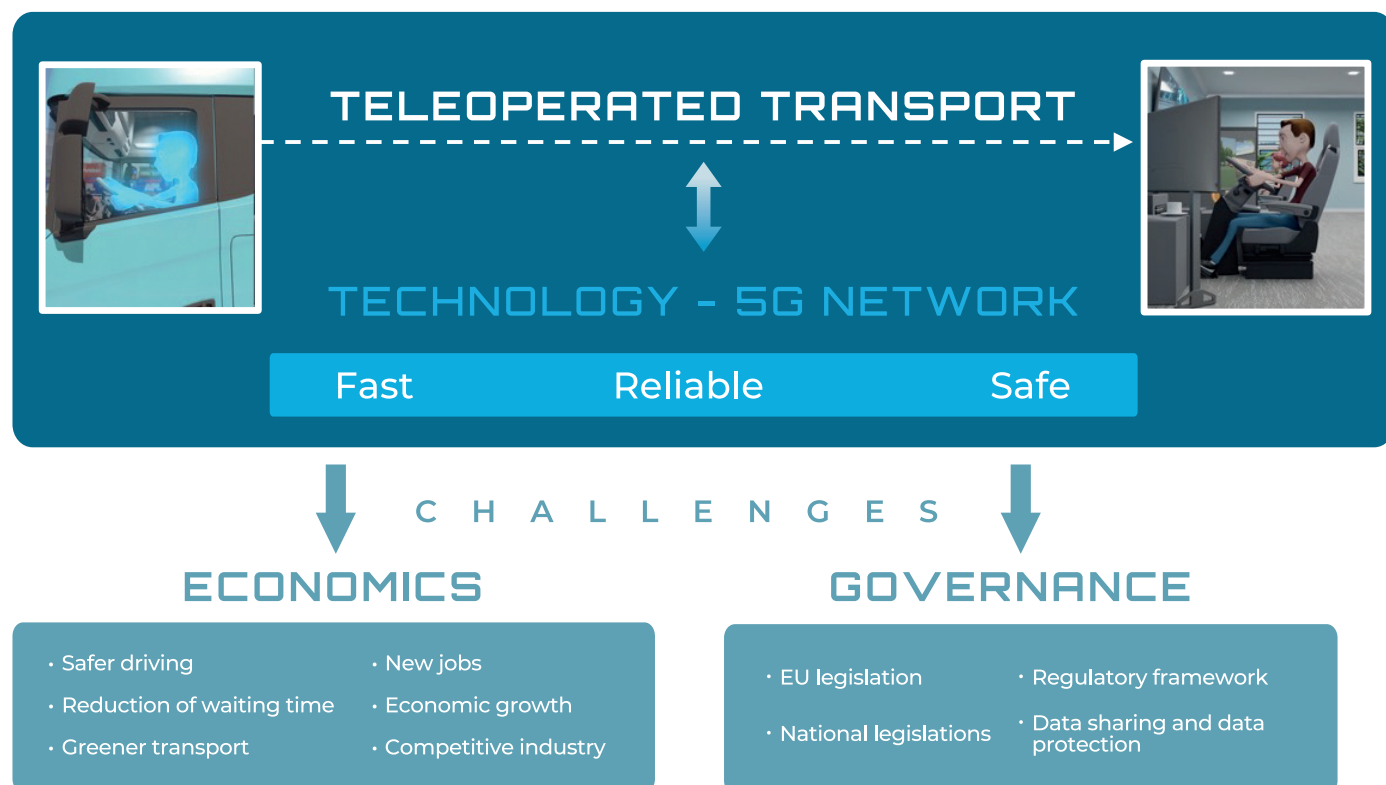


5G BLUEPRINT

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

5gblueprint.eu

IN SHORT



OBJECTIVES

TECHNOLOGICAL

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

BUSINESS

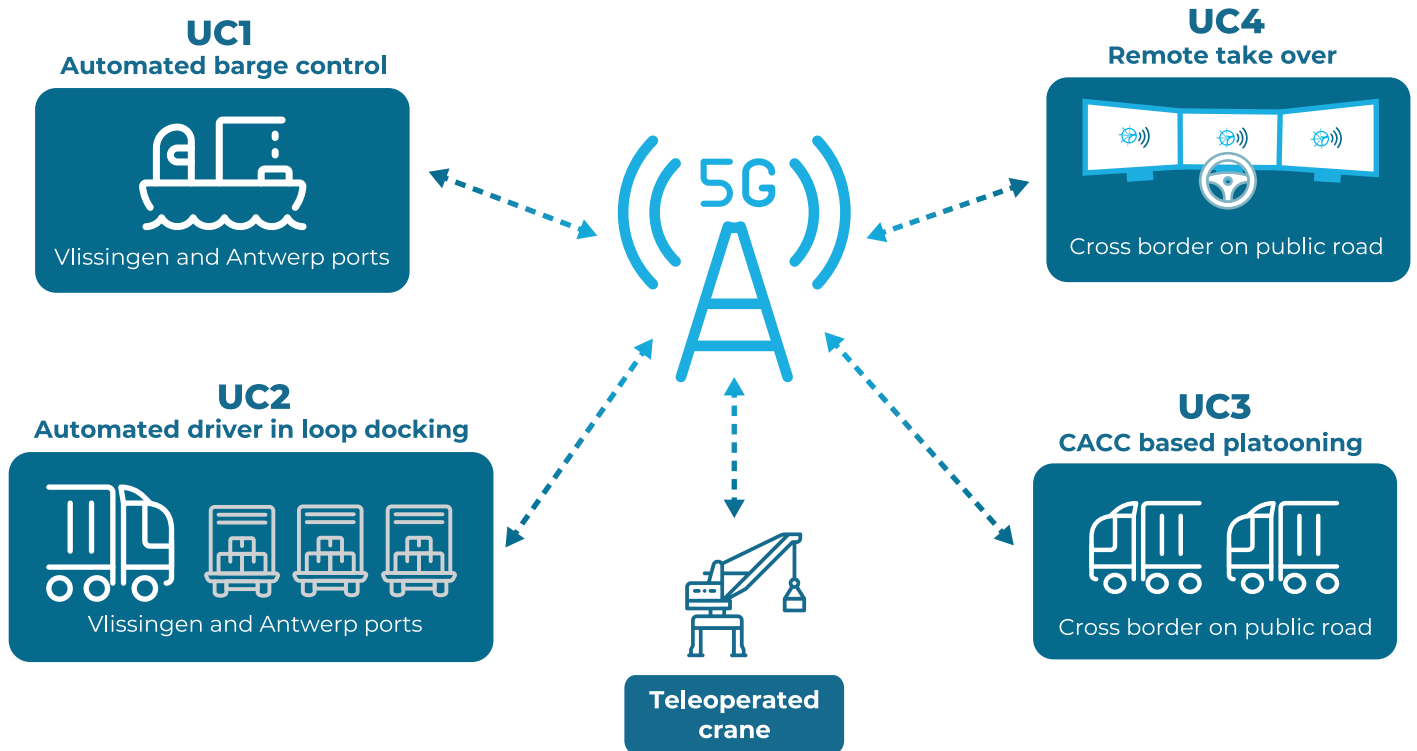
- 5G teleoperated transport market analysis
- Commercial possibilities
- Positions the possible role of teleoperated transport based on 5G in Connected and Automated Mobility
- Teleoperated transport based on 5G connectivity market adoption

REGULATORY

- Identify regulatory issues
- Recommend actions

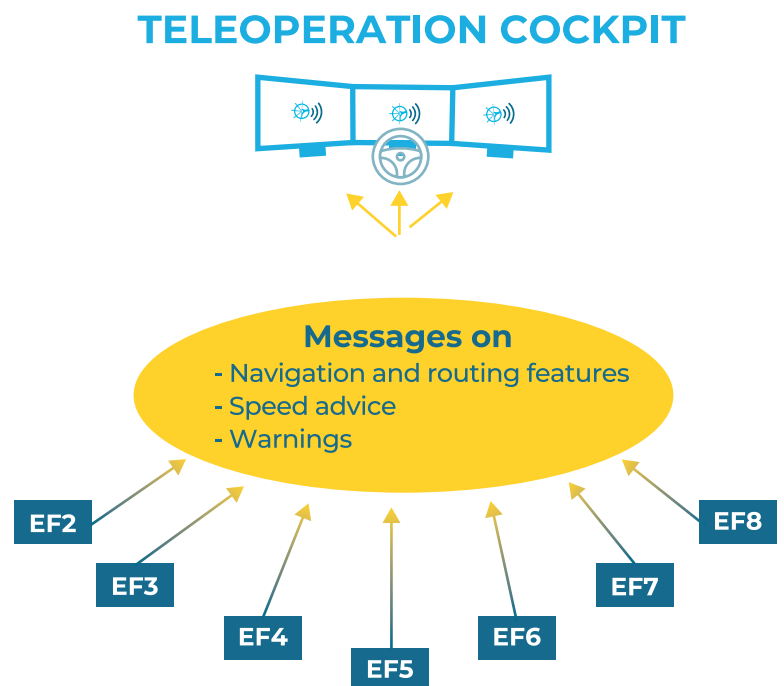


USE-CASES



ENABLING FUNCTIONS

EF1	Enhanced awareness dashboard
EF2	Vulnerable Road User (VRU) interaction
EF3	Timeslot reservation at intersections
EF4	Distributed perception
EF5	Active collision avoidance
EF6	Container ID recognition
EF7	ETA sharing
EF8	Logistics chain optimization



SITES

VLISSINGEN SITE

- Teleoperation
- Gracefully degrading safety fallback
- Teleoperation station for operator
- Cameras at terminal
- Docking service
- Logistics chain optimization

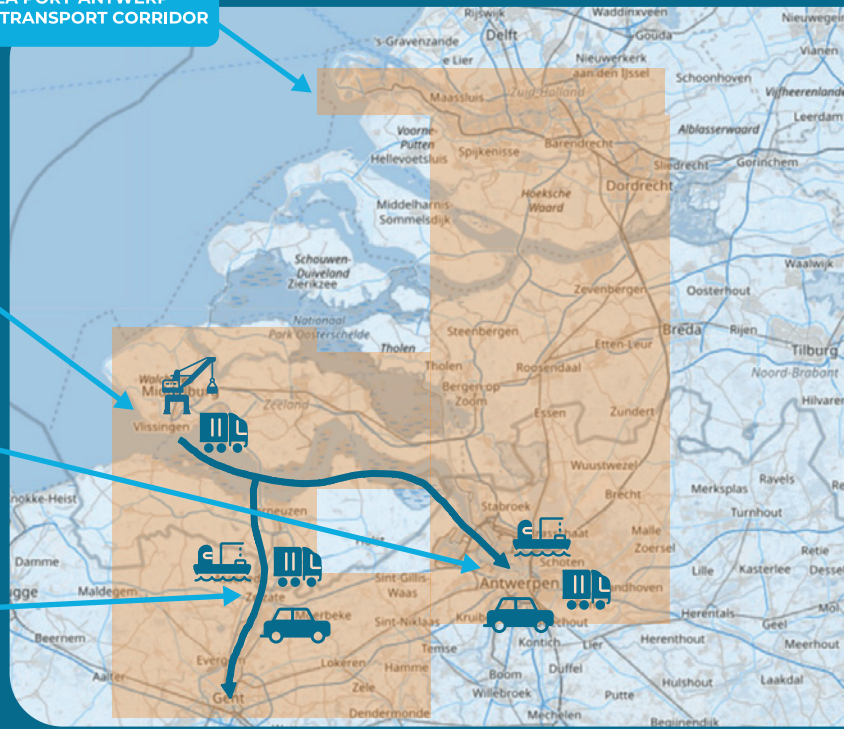
PORT OF ANTWERP SITE

- Teleoperation
- Gracefully degrading safety fallback
- Teleoperation station for operator
- Cameras at terminal
- Cooperative Adaptive Cruise Control (CACC)
- Logistics chain optimization

ZELZATE CROSS-BORDER SITE

- Teleoperation
- Gracefully degrading safety fallback
- Teleoperation station for operator
- Cooperative Adaptive Cruise Control (CACC)

NORTH SEA PORT-ANTWERP-ROTTERDAM TRANSPORT CORRIDOR



CONSORTIUM



FOLLOW US



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5GBlueprint project



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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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