

PROJECT

Smart, Electronic and Autonomous Multimodal Transportation System and Port Operations

Funding: European

Duration: Oct 2018 - May 2022

Status: Ongoing

Total project cost: €7,290,000

EU contribution: €3,645,000



Background & policy context:

The Port of Gothenburg is a Core port located on the Scandinavian-Mediterranean Corridor. The Action is part of a Global Project covering the movement of freight (intermodal transport units, i.e. trailers) by autonomous vehicles from the pick-up site to the DFDS logistics terminal, via public road, to the port loading and discharging site.

Objectives:

The Action will develop a smart logistics solution to optimise the multimodal supply chain. A cloud system will be developed and implemented to control autonomous electric vehicles. Infrastructure will be built to digitalise the pilot testing area (charging stations, data collection points and monitoring system) and the port (traffic control tower, smart gate, increased surveillance, dedicated areas for loading, unloading and storage). Training of personnel will also be organised.

Methodology:

The Action will realise the real life combination of intelligent software, automated vehicles, smart infrastructure and logistics expertise to create a safe, sustainable, efficient and interoperable system. Throughout access to live data and monitoring of transport unit and cargo at any time prediction of traffic system will be significantly improved.

Parent Programmes:

[CEF Transport - Connecting Europe Facility \(CEF\) for Transport](#)

Institute type: Public institution

Institute name: Inea

Funding type: Public (EU)

Lead Organisation:

DFDS Logistics AB

Address:

Sydatlanten 10
418 34 Göteborg
Sweden

Partner Organisations:

Volvo Technology Ab

Address:

Götaverksgatan 10
40508 GOTHENBURG
Sweden

Organisation Website:
<http://www.tech.volvo.se>

Technologies:

Infrastructure management
Multimodal terminal infrastructure

Development phase: Demonstration/prototyping/Pilot Production

Connected and automated vehicles
Autonomous vehicle technologies

Development phase: Demonstration/prototyping/Pilot Production

STRIA Roadmaps: Cooperative, connected and automated transport, Infrastructure

Transport mode: Multimodal transport

Transport sectors: Freight transport

Transport policies:

Societal/Economic issues, Safety/Security, Digitalisation, Deployment planning/Financing/Market roll-out

Geo-spatial type: Infrastructure Node