

Improving West Harbour - Old City Harbour mobility flows with smart solutions (FinEstSmartMobility)

Programme Priority: P3 Well-connected region

Programme Specific Objective: 3.1. Improved transport flows of people and goods

Sub-programme: Central Baltic

Duration: 01.09.2016 - 31.08.2019

Total funding: 1.822.649 EUR

ERDF funding: 1.443.839 EUR ERDF

Project Summary:

Mobility is growing in Europe. The ferry connection between Helsinki West Harbor and Tallinn Old City Harbor is one of the busiest in the world with over 8 million annual passengers. The North Sea - Baltic TEN T Core corridor meets Scandinavian-Mediterranean TEN T core corridor at Helsinki, thus being a key node in the transport networks for northern Europe. Already the current traffic creates substantial congestion, noise and other negative externalities at both ports and in both cities. Until now, neither common mobility planning nor cross-border Intelligent Transport Systems (ITS) solutions have been implemented.

Lack of ITS solutions has been described as one of the main missing links in the North Sea Baltic corridor. A cross-border approach is needed to ensure an end-to-end user-centric experience of the mobility as well as better mobility planning. Both ports need equivalent tools for users, ferry operators, urban planners, and data management.

The project aims to pilot smart solutions that reduce travel time, amount of vehicles in port area and thus also congestion. The project contributes to these targets also indirectly: by contributing to open data and open source enablers for further innovations, and by sustainable mobility planning (SUMP) that further enables and drives towards travel time reduction. Moreover the project establishes market references for smart port solution providers.

Map of Partners



Partners

Lead Partner

Helsingin kaupunki

Country: FI

www.hel.fi

Partner budget: 700.008 EUR

Amount of ERDF funding: 525.006 EUR ERDF

Project Partners

Tallinn Linn

Country: EE

www.tallinn.ee

Partner budget: 440.000 EUR

Amount of ERDF funding: 374.000 EUR ERDF

Maanteeamet

Country: EE

www.mnt.ee

Partner budget: 228.521 EUR

Amount of ERDF funding: 194.242 EUR ERDF

MTÜ IKT Demokeskus

Country: EE

www.e-estonia.com, www.itl.ee

Partner budget: 100.000 EUR

Amount of ERDF funding: 85.000 EUR ERDF

Forum Virium Helsinki Oy

Country: FI

www.forumvirium.fi

Partner budget: 154.220 EUR

Amount of ERDF funding: 115.665 EUR ERDF

Vantaan kaupunki

Country: FI

www.vantaa.fi

Partner budget: 199.900 EUR

Amount of ERDF funding: 149.925 EUR ERDF

Associated Partners

Helsingin seudun liikenne (HSL)

Country: FI

Results

Expected results

The main outcome is better management of the mobility flows of goods and people. The pilots directly impact R3.3 and R3.1. Currently peak times measure 30-50 minutes drive time for the first kilometer in out-bound harbour traffic. Pilots reduce the congestion and speed up out-bound traffic

by average of 20 minutes per trip. PILOT A: Just-in-time logistics for Heavy Good Vehicles, based on truck parking at the ring-roads and mobile application that directs them to boarding. This reduces the time-in-city with estimate of 5-10 % per truck. This is also a key tool to manage the closure of the truck parking at ports. PILOT B: Smart management out-bound traffic, with dynamic mobility management with signage and integration to navigators and possibly to smart traffic lights. This integrates the unloading traffic to city traffic better, improving also other traffic. PILOT C: Smart Park&Ride for ferry passengers with private cars to increase the use of public transport for the port entry/exit. This includes easy real-time information and ordering of the park&ride and public transport options. This reduces the amount of private cars to the ports by 5%. PILOT D: Smart traffic solution pilot in order to increase modal split of public transport for travelers from Estonia to Helsinki Airport with ferry connection. PILOT E: Feasibility study with a pilot on Tallinn ringroad to improve the management of both commuting and international transit traffic flows with ITS solutions. IN ADDITION TO PILOTS: Integration of cross-border public transport and ferry options into the open source mobility navigator will lead to increased and easier use of public transport for various passenger groups. Tallinn Region Mobility plan indirectly impacts R3.3 and R3.1. It contributes to better management of mobility, and is harmonized with Helsinki Region plan to create cross-border approach needed to ensure the optimization in macro-region level.

Achieved results

Project Visibility

Source URL: <http://database.centralbaltic.eu/printview/60>