developing port communication

Ports are nodes in the supply chains combining a variety of actors with different information needs and systems. A vast amount of information exchange is needed for every single consignment.

Port operations can be developed by directing and combining information streams more efficiently. To this end, many large ports around the world have developed port community systems (PCS) to serve the information exchange of the port community comprehensively. Despite the potential benefits of the PCS systems, the Finnish ports lack inclusive information solutions of this kind.

mobile port creates opportunities for new solutions

The Mobile Port project seeks ways to improve the management and control of port-related sea and inland traffic with the aid of information and communication technologies. The project studies the port community systems used worldwide, evaluates the suitability of a port community system to the Finnish port operating environment and aims to create a pilot solution of a Finnish PCS system in the HaminaKotka Port. Further, dry port concept and its influences on the transportation system are explored.

benefits of enhanced port operations

The Mobile Port pilot PCS system will:
- improve the smoothness of traffic flow
- reduce the risk of accidents
- prevent congestion
- reduce the impact of traffic on the environment
- improve logistics cost-efficiency and especially promote the logistics competitiveness of Kymenlaakso Region.

project partners

The partners of Mobile Port project are University of Turku Centre for Maritime Studies Maritime Logistics Research unit, Kymenlaakso University of Applied Sciences and Lappeenranta University of Technology Kouvola unit. The project is carried out during September 2009 – February 2012.

Traditional communication in the port vs. communication with a port community system (PCS)