COREALIS
THE PORT OF THE FUTURE

COREALIS HaminaKotka Demo/Training Webinar

Port of HaminaKotka Living Lab

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Kotka Container Terminal (KCT)

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Steveco Group provides full logistic services from production to final destinations: **vessel loading and discharging, forwarding, customs services, transport, ship's clearance and terminal services**.

Own terminals at the ports of Kotka, Helsinki, Hamina and lake Saimaa area.

Kotka Container Terminal (KCT) is operated by Steveco Oy.

KCT is the largest container port in Finland and main export port for Finnish wooden products and transit traffic to Russia.

Container volumes 650 000 teu/year.

Feeder traffic to most main ports in Europe.

HaminaKotka Living Lab

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COREALIS TAS HaminaKotka

- reduce truck waiting times and traffic congestions at ports

2

COREALIS PORTMOD

- simulate optimal container yard usability without real container movements

3

COREALIS Port of the Future Serious Game (PoFSG)

- include different stakeholders views in a long term (20 years) planning process

COREALIS Truck Appointment System (TAS)

The Truck Appointment System (TAS) is developed by VPF and SGS for the Port of Valencia. The Kotka Container Port uses a simplified version of this slotbased application.

In Kotka the terminal operator (Steveco) administer the warehouse specific unloading timeslots, which can be booked by the users (trucking companies).

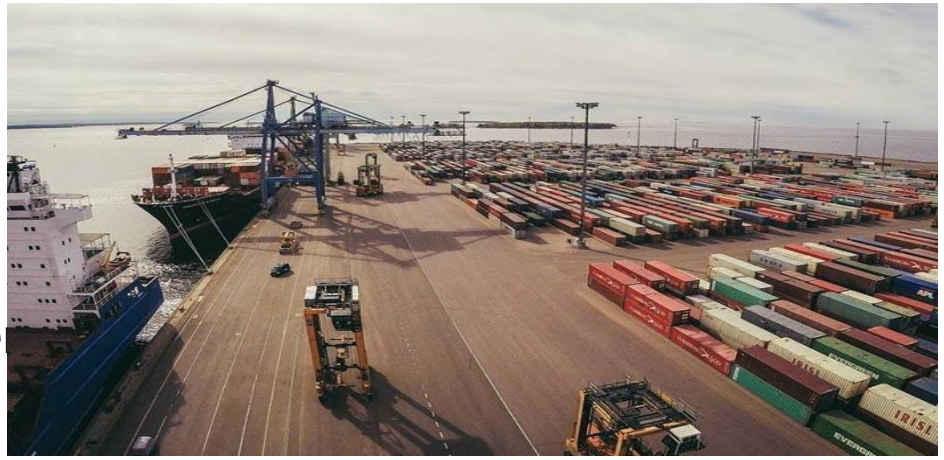
TAS application increases the efficiency of the incoming truck traffic by making the cargo flows more predictable.

SGS and Steveco has launched the TAS in Kotka in November 2019 and the data gathering is ongoing. The first test results are promising with improved turnaround times and more information regarding the actual arrival time of the trucks

COREALIS PORTMOD

The PORTMOD-software aims to improve Container Terminal (CT) operational efficiency by:

- Visualizing current container flows
- Simulating container and container handling equipment movement
- Enabling what-if analysis without the need for real containe movements



The target is to simulate machine and container movements and enable what-if analysis. Terminal Operating System (TOS) NAVIS N4 is used to assist the development. The container movements can now be visualized on a container yard layout map which makes it easier to digest the information.

The container movement simulator module is under development.

COREALIS PoFSG- Serious Game

Port of the Future serious game scope is to simulate a long term view for the port industry and the different stakeholders involved.

The focus is on new technology solutions (electric equipment, automation etc) and other megatrends (carbon foot print, climate change etc) and how they will affect the port industry in the future.

- Reduce the port´s total environmental footprint
- Improve operational efficiency without additional infrastructure investments
- Help the ports make long-term strategic decisions
- Discuss the challenges for ports and their stakeholders in a constructive manner

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THANK YOU FOR YOUR ATTENTION

STEVECO

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