

EfficientFlow

of goods and passengers between Finland and Sweden

The Baltic ports of
Rauma and Gävle
implement efficient port
calls using real-time
information.

Improved traffic flow
converts waiting times
into increased safety
and bunker savings for
large ships in the narrow
Swedish and Finnish
archipelagos.

Port Flow Optimisation



Port of Gävle

"We want our port actors to get instant reality checks, extended planning horizons and, most important, a joint understanding of the port calls."

Linda Astner, Manager Port Authority Gävle



Port of Rauma

"In the Port of Rauma, EfficientFlow will provide real-time information at your fingertips, anytime"

Tanja Angelova, Administrative Director
Port of Rauma

The ports of Rauma and Gävle will each implement port collaboration solutions enabling co-ordinated port call planning among the port actors, helping each actor to optimise resource utilisation. The solution will also help synchronisation of the port call with the arriving ships and with hinterland operations. All actors in the port cluster will be involved and the container terminal operators see the value-add from EfficientFlow as a complement to their investments in the physical infrastructure. The co-operation between the two optimised ports enables increased goods flow directly between them.

Expected Results

- Enabling just-in-time arrivals and operations
- Reduced transport time
- Increasing predictability

Benefits

- 7% time saving
- Moving more goods by sea transport



Efficiency



Environment

Ship Flow Optimisation



The flow management part of the project is done in the ScanMed corridor between Finland and Sweden, where 2,7 million passengers and 90 000 transport units sail on a yearly basis. The solution uses the shared real-time voyage plans from the Ro-Pax ferries and other traffic for better timing at the many narrow passages where only one ship at a time can pass. The goal is to eliminate all waiting times at those passages, which is a safety risk in itself, and instead adjust speed to always arrive when those passages are free to use. This will definitely save fuel and emissions and possibly reduce erosion.

Expected Results

- Eliminating waiting times underway
- Reducing erosion

Benefits

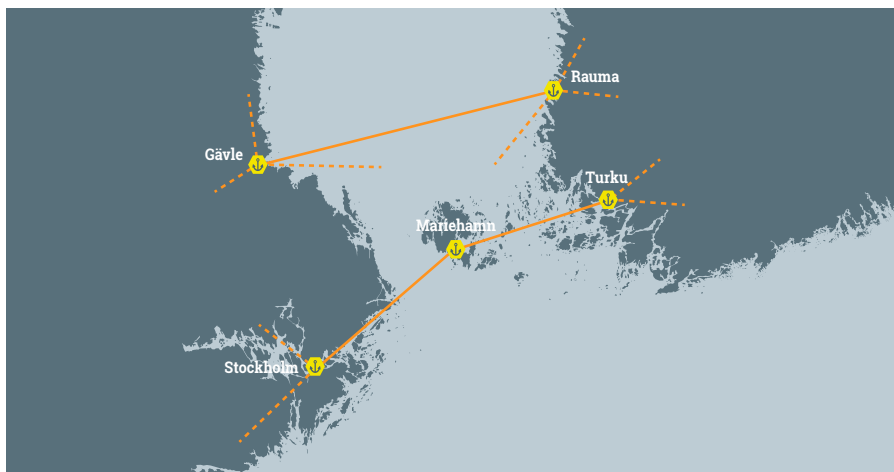
- Savings of 1-2 % fuel and emissions
- Further increased safety



"I look forward to participating in the EfficientFlow project, which hopefully will increase safety and save bunker."

Commander Björn Forss, Galaxy, Tallink Silja





EfficientFlow Facts

- 4 572 902 euro budget
- Central Baltic focus
- Involving private, public and academic sector
- Co-financed by the EU Interreg Central Baltic programme - 3 429 676 euro
- Project duration: March 1, 2018 – October 31, 2020

Partners:



www.sjofartsverket.se/en/



www.tmfg.fi/en/vts



www.samk.fi/en/



Port of Gävle

www.gavlehamn.se/en



**RAUMAN SATAMA
PORT OF RAUMA**

www.portofrauma.com/en

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