



MARKET INFO - Deepening of the Vuosaari fairway and harbour

Helsinki

RAMBOLL

11.12.2019



Co-financed by the Connecting Europe
Facility of the European Union

**|| PORT OF
HELSINKI ||**

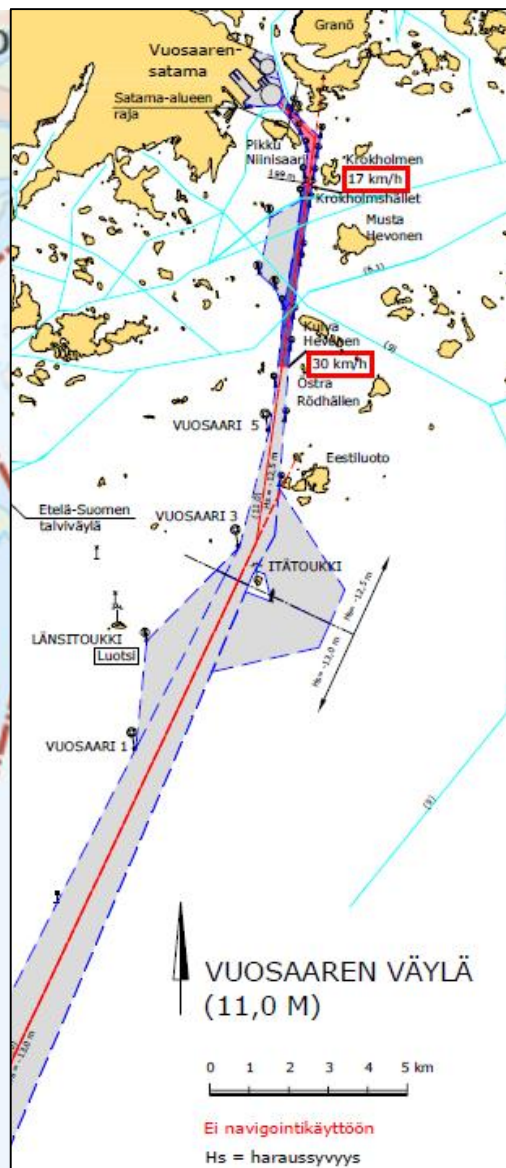
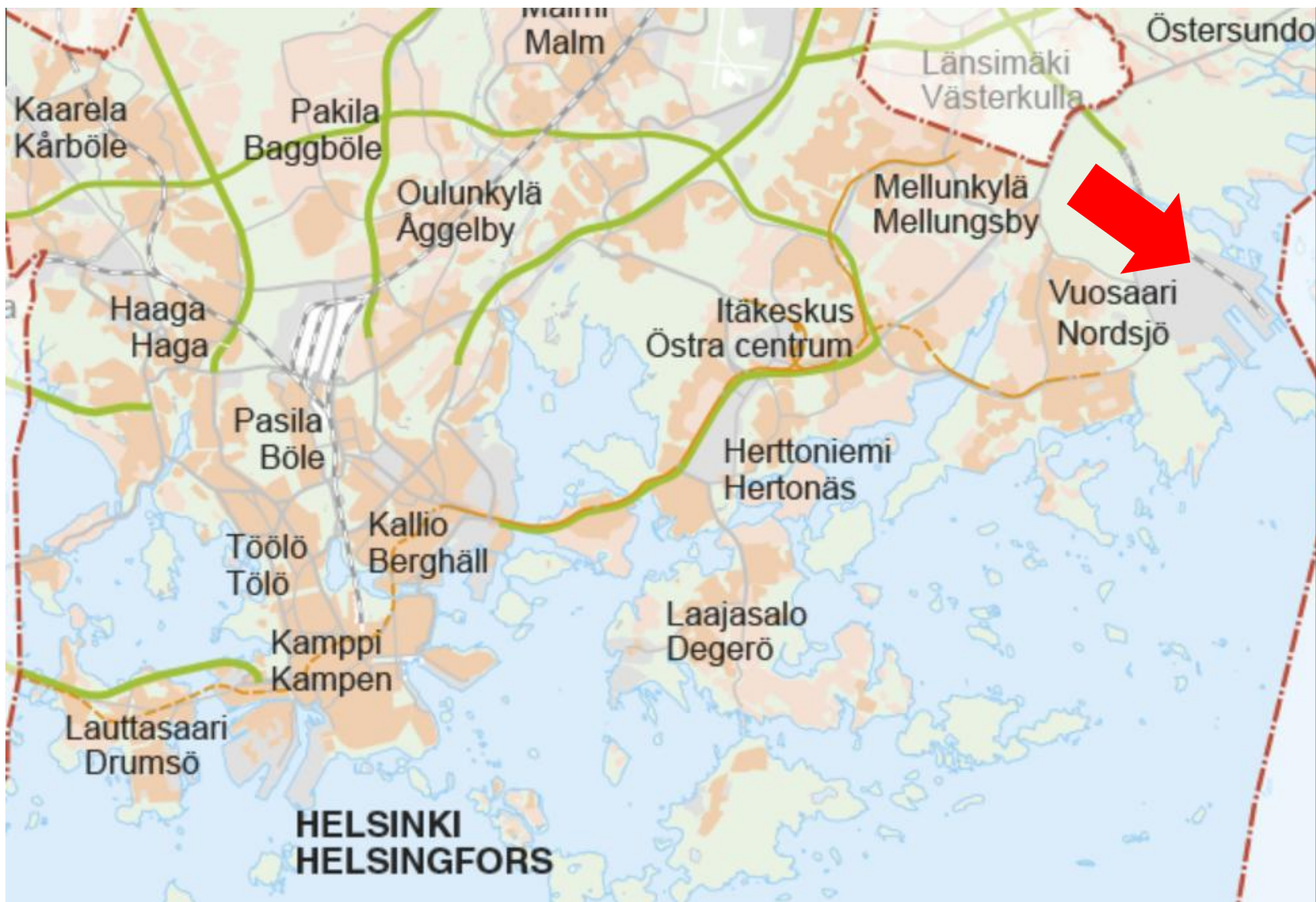
TODAY'S PROGRAM

10:00-10:30 Introduction of Deepening of the Vuosaari fairway and harbour

10:30-11:00 Construction plan of Vuosaari fairway and harbour project

11:00-11:30 Introduction of Hernesaari dredging project

11:30-12:00 Break

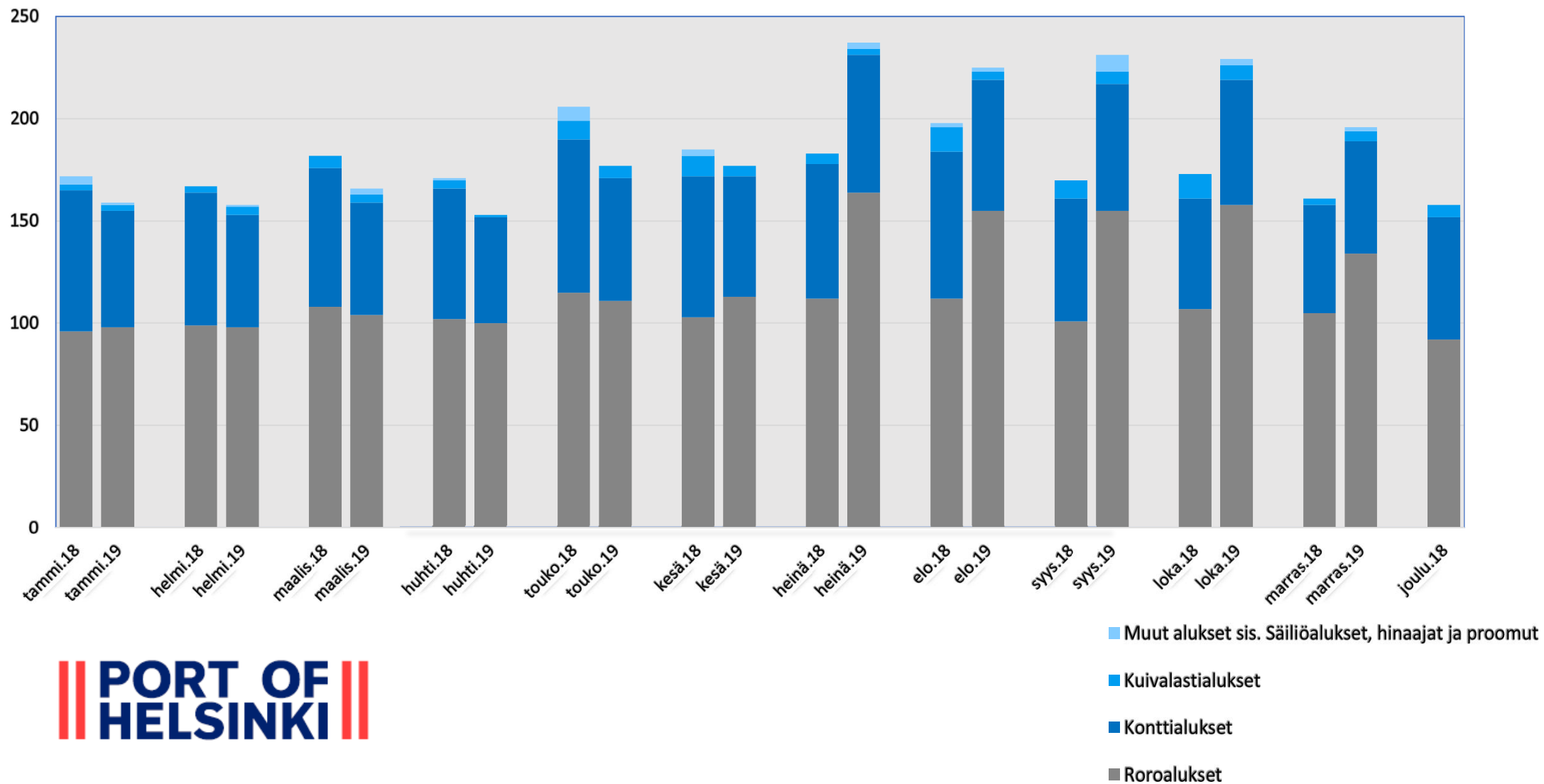


PROJECT CONTENT

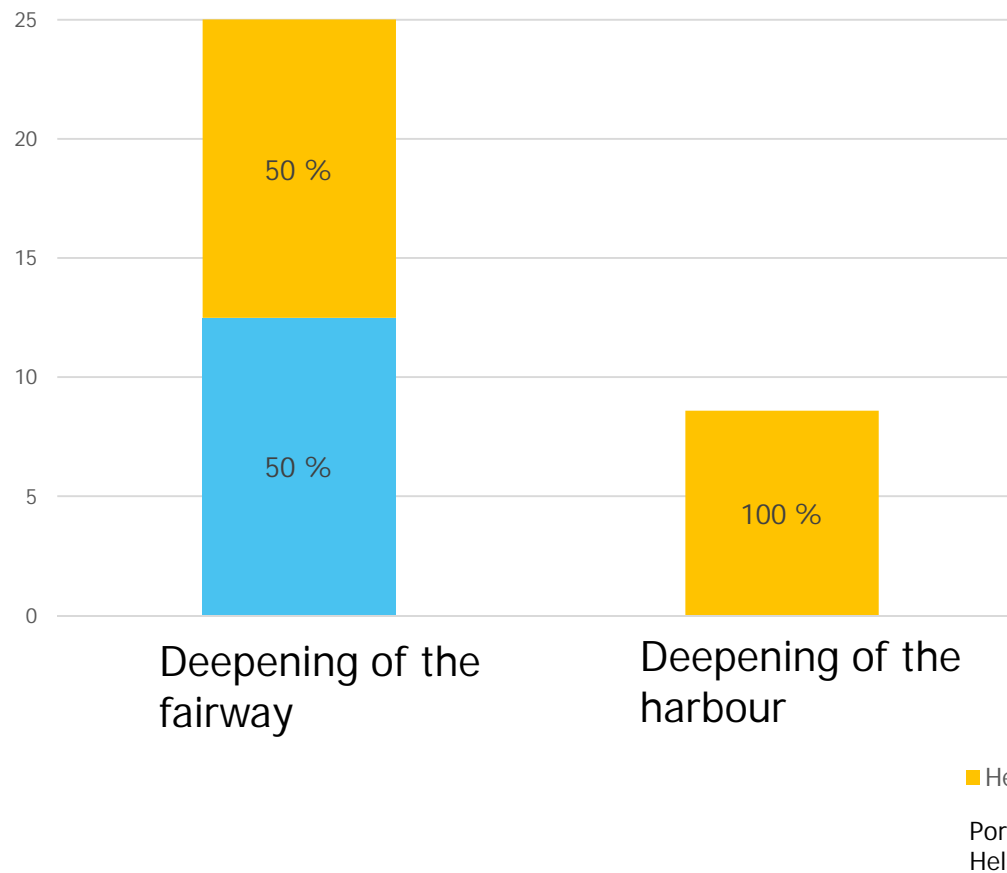
- Shared-cost project of Vöylä (Finnish Transport Infrastructure Agency), Port of Helsinki and City of Helsinki
- 11 m fairway and harbor of Vuosaari will be deepened into authorised draught of 13 m
- The project goal is to enhance the transport economics of especially container transportation and develop harbour competitiveness
- The project will be executed during 2020 and 2021
- In 2018, the total volume of freight traffic in Port of Helsinki was 14.7 million tones of which 8 million was transported through Vuosaari harbour



Vuosaari harbour vessel traffic 2018 & 2019

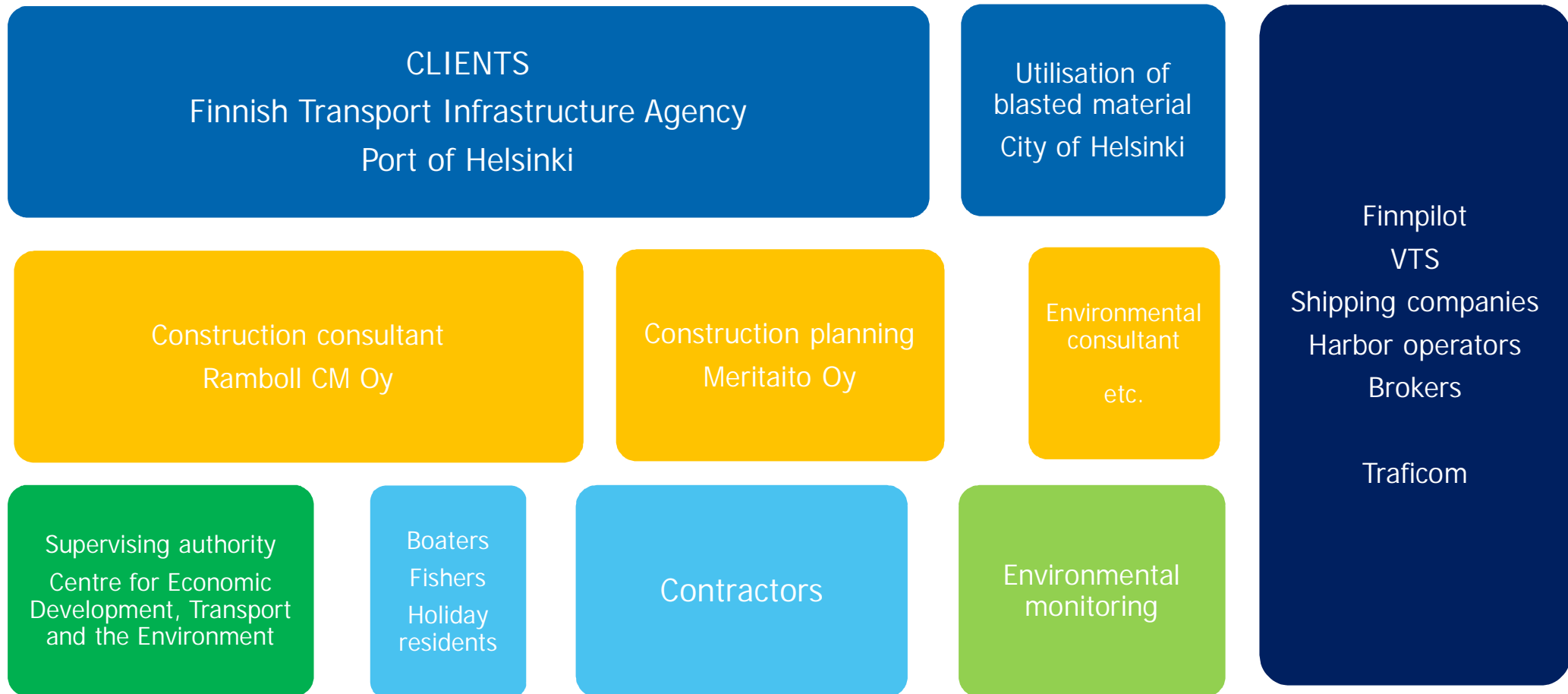


PROJECT FINANCING



- EU CEF financial aid (Connecting Europe Facility) 20 % of project cost
- In addition, the city of Helsinki is responsible for blasted rock material transportation costs

ORGANISATION

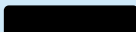


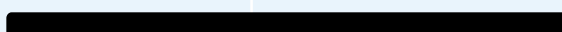






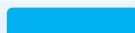
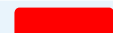






PROJECT REQUIREMENTS

- Safety and flow of ship traffic as well as work safety must be ensured under all circumstances
- No accident or near missed accidents during the project
- Work is executed taking into account environmental and permit regulations
- Active and open communication



Photo by Pop Zebra on Unsplash

Location	Task	2019	2020	2021
DEEPENING OF THE VUOSAARI SEAWAY AND HARBOR				
	Design phase			
	Tendering phase			
	Contract signing			
	Construction phase			
	Contract closing activities			
RECLAMATION SITES AT CITY OF HELSINKI				
Hernesaari	Design phase			
	Tendering phase			
	Contract signing			
	Dredging – Contaminated sediments			
	Dredging			
	Land reclamation			
Melkki, Jätkäsaari	Land reclamation			
Ruusuniemi, Vuosaari	Land reclamation			



Phase 1: 
Phase 2: 



Photo by Alex Perez on Unsplash

PERMITS:

Water permit for execution of the project was admitted on 26.6.2017 (ESAVI/8044/2015)

- All complains for the water permit were rejected by Administrative Court of Vaasa (Vaasan hallinto-oikeus, VHO) on 28.6.2019.

Water permit for dumping area at sea is valid

- Water permit for Vuosaari dumping area LSY 2005-Y-90 and VHO 2007/0178/1
- Permit for extension of dumping area ESAVI 165/2011/4 and VHO 2012/0204/1

Water permits for utilisation of blasted material

- Hernesaari ESAVI / 901/2018
- Melkki-Ahdinallas ESAVI /11806/2016
- Vuosaari boat harbour/Merikeskus ESAVI/1192/2015

ENVIRONMENTAL MONITORING

Focus areas:

- On-line turbidity measurements
- Turbidity survey
- Aerial and satellite images
- Water sampling
- Observation of littering and exceptional events



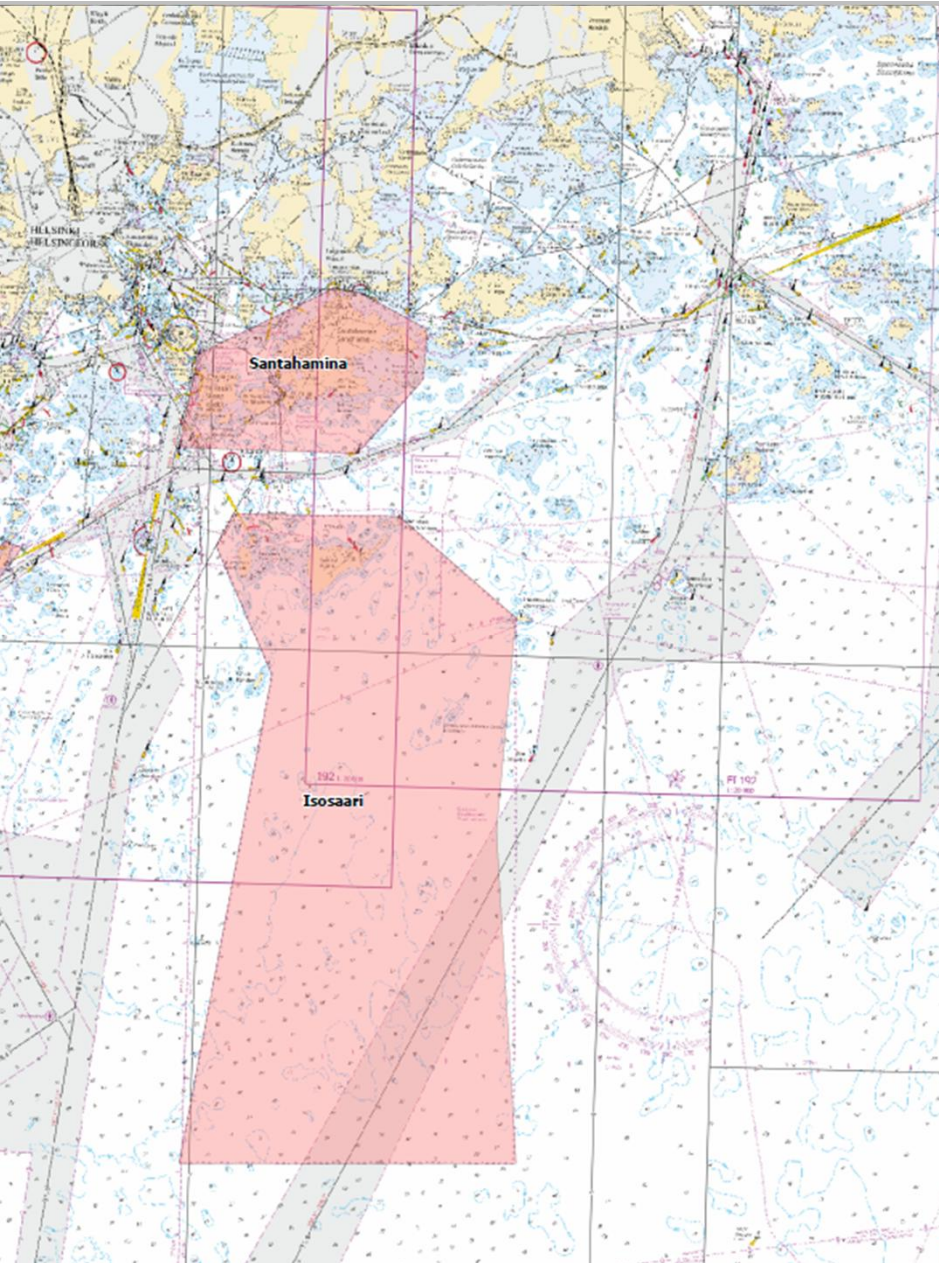
PERMIT RESTRICTIONS

- Work must be carried out as continuously as possible to minimize disturbance
- Water clouding and sediment mixing with water must be avoided -> barge overflows are not allowed
- Dredging or blasting at the fairway dredging site RK5a and dredging in the harbour dredging site RK7 may not take place between 15 April and 31 July.
- The blasting wires should be removed from the sea immediately after blasting.
- Blasted rock material is not allowed to be dumped at sea, all must be utilized for land reclamation

Other characteristics

- High density of vessels within the fairway and harbour
- Number of pleasure boats crossing the construction site
- Large amount of holiday residences near the construction sites
- Nature conservation areas near construction sites
- Public interest to the project



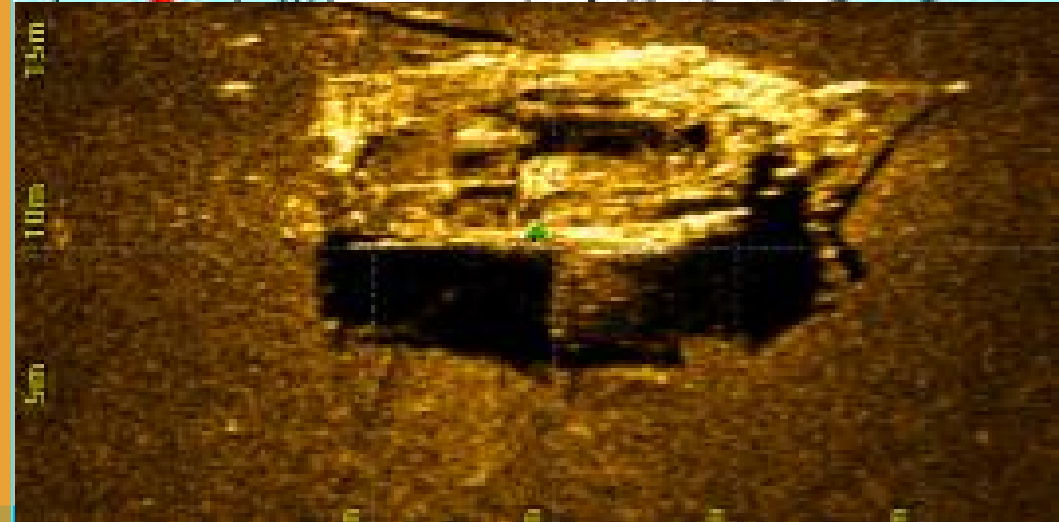
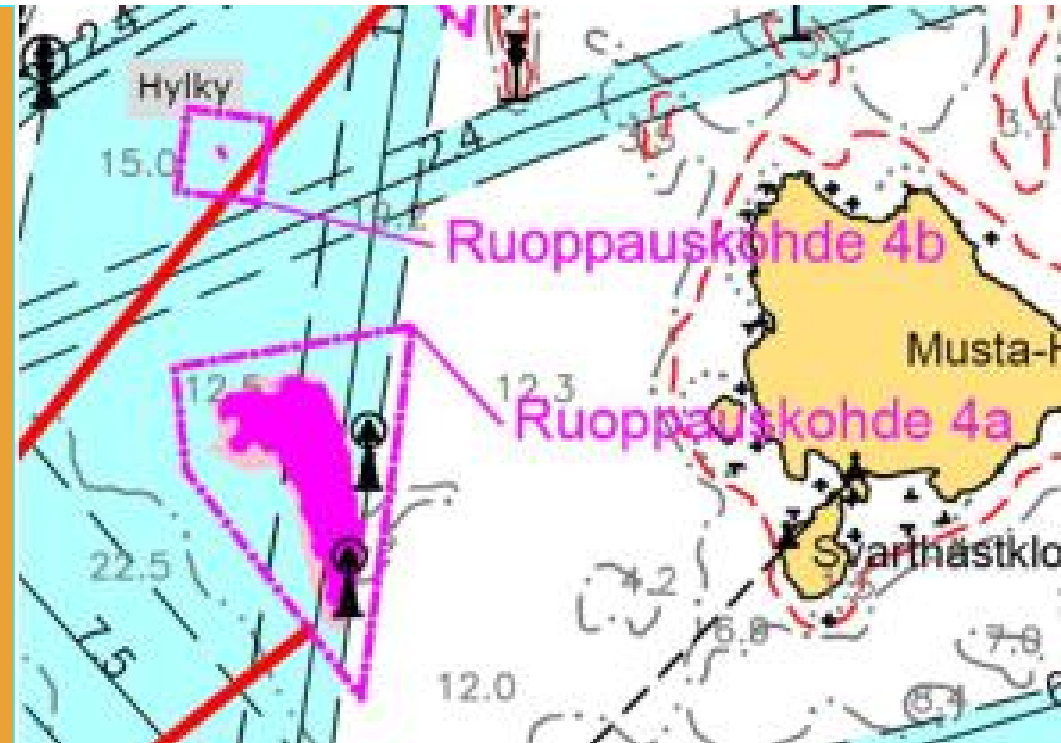


REQUIREMENTS SET BY THE FINNISH DEFENCE FORCES

- Protected sea area of Isosaari
 - Seabed survey restrictions
 - Restrictions for the construction activities

SKATANSELKÄ SHIPWRECK

- Ancient remains register item no. 1000026099
- Protective distance of 50 m around the wreck will be marked in the ground.
- Forbidden to cross



PROCUREMENT STRATEGY AND SCHEDULE

Procurement strategy:

- One contract
- Two sub-projects:
 - A – Deepening of Vuosaari fairway
 - B – Deepening of Vuosaari harbour
- Fixed price except blasting by unit prices

Procurement schedule:

- Start of procurement – mid January 2020
- Tender submission – end of February 2020
- Contract signing - mid April 2020
- Initiation of construction - May 2020

MORE INFORMATION ABOUT THE PROJECT:

www.vayla.fi/vuosaaren-merivayla

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