Stockholm Norvik Port

Fairway and vessel planning

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Fairway and vessel planning

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Stockholm Norvik Port

- Construction 2016-2020
- Replacement for container terminal Frihamnen
- 1 container quay 450 m and 2 roro berths
- 36/44 ha of harbor area
Average teu of new building

- 2009 3 962
- 2010 5 296
- 2011 6 574
- 2012 5 940
- 2013 6 480
- 2014 10 080

Analys företaget Alphaliner
Planning - Vessels

SSPA full mission simulation 2009

- Container vessel 1
  • Dimensions 299*37*13 m
  • 4700 TEU
  • Lateral wind area 7400 m²

- Container vessel 2
  • Dimensions 152*23*8 m
  • 1000 TEU
  • Lateral wind area 1600 m²

- Roro vessel
  • Dimensions 218*30*7 m
  • 4200 lane m
  • Lateral wind area 3130 m²

Mooring study 2018

- Container vessel
  • Dimensions 380*55*12 m
  • 15000 TEU
  • Lateral wind area 15500 m²

- Roro vessel
  • Dimensions 218*30*7 m
  • 4200 lane m
  • Lateral wind area 3130 m²
Fairway – Pilot distances

Container terminal Frihamnen 42 NM (77 km)

Stockholm Norvik Port

11 NM (20 km)
Fairway – Planning

2009
- SSPA simulation in cooperation with Sjöfartsverket.
- Resulted in a list of 25 items.

2016-2018
- Revived draft.
- 14 items remained
- Fairway decision by Sjöfartsverket

2 contractors
- Meritaito
- Sjöfartsverket
Fairway – Actions 2019

Total 14 actions
Budget sek 2 milj

**Sjöfartsverket**
- 4 relocations
- 5 new

**Meritaito**
- 4 new landbased "cairns"
- 1 new bouy
Fairway – Part of EU-project

Activity 1(4)
InSea – Integrated digital service cloud

- Combining fairway data and port data
- Remote operations
- Status and maintenance information
450 m container quay
1100 m quay
4 km railroad
Electrified and connected to Swedish railroad network
260 m railroad tunnel
Port office

5 buildings
Roro, customs, food agency

Straddle carrier workshop
Straddle carrier workshop
22 m free height
1 over 3
270,000 m² concrete brick pavement
Phase 2 of container terminal. Now occupied by 3.5 milj ton rock and gravel.
Thank you for your attention!

Container terminal opens in May 2020

Roro terminal opens in September 2020

www.stockholmshamnar.se