

Bothnia Bulk

2015-EU-TM-0178-M

Motorways of the Sea -seminar

12.12.2017, Helsinki-Tallinn

Mikki Koskinen



Co-financed by the European Union
Connecting Europe Facility



Bothnia Bulk - Environmental upgrade of year-round supply in the northern Baltic Sea

Project partners:

ESL Shipping, Coordinator (FI)
 Port of Raahe (FI)
 SSAB Europe (FI)
 Port of Luleå (SE)
 Raahen Voima (FI)
 Port of Oxelösund (SE)

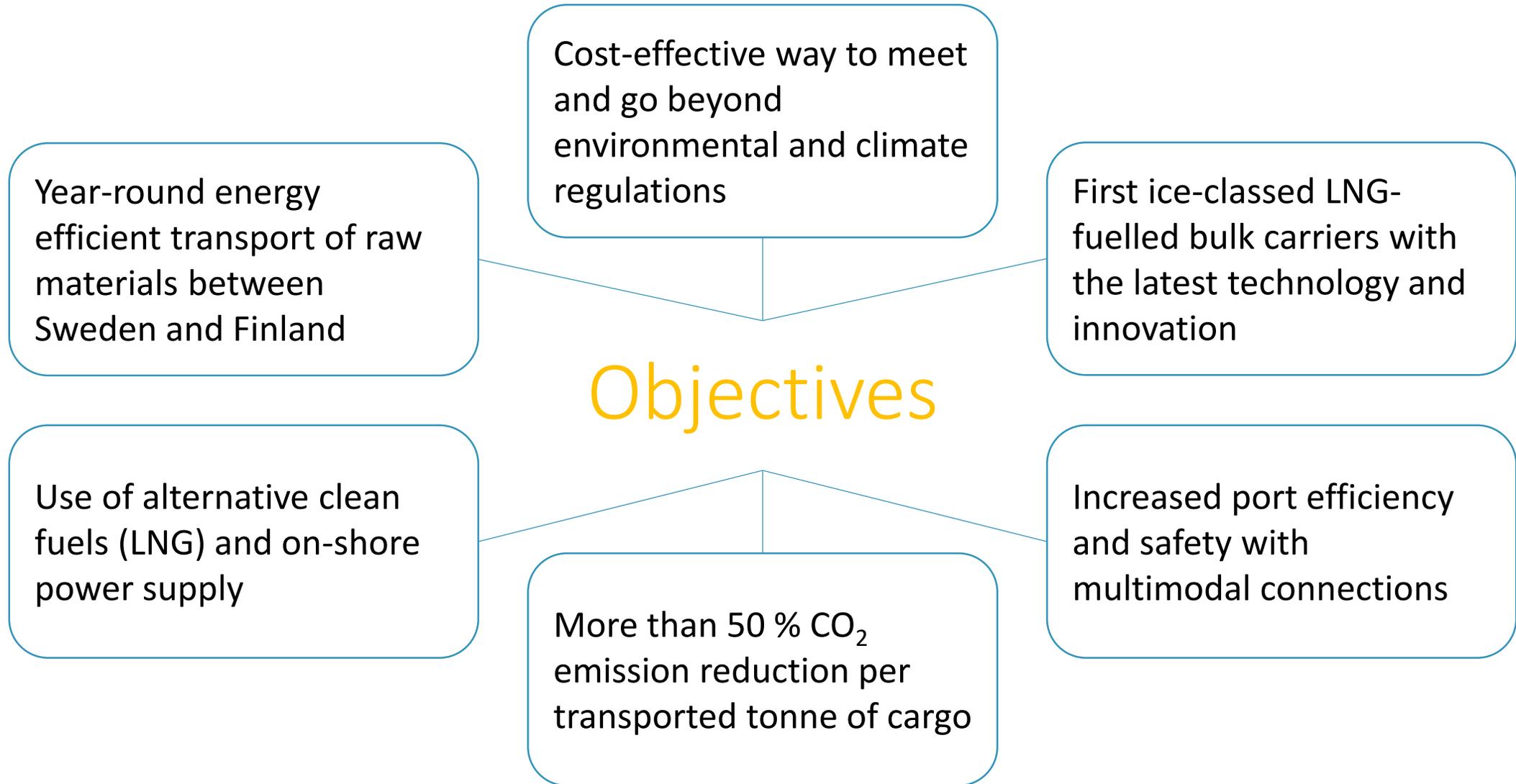
Project budget: 22.5 M€
Recommended EU co-financing: 6.8 M€

**50 %
less CO₂**

Implementation schedule:
 16.2.2016 – 30.6.2019

Together we make shipping more sustainable than ever before





Project activities

1. Procurement of additional environmental efforts for two new-build bulk carriers
2. Development of port infrastructure and efficiency in the Port of Raahe
3. Development of an on-shore power supply in port of Luleå and studies in Raahe and Oxelösund
4. Customization of existing LNG safety handling and bunkering procedures to the specific needs in the ports of Raahe, Luleå and Oxelösund and technical study on small-scale LNG terminal in Luleå
5. Ex-post climate change impact assessment
6. Dissemination, communication and project management

Activity 1

Procurement of additional environmental efforts for two new-build bulk carriers

- LNG engine system
- Energy efficiency measures
- Other environmental efforts (BWM, OSP)



Activity 1

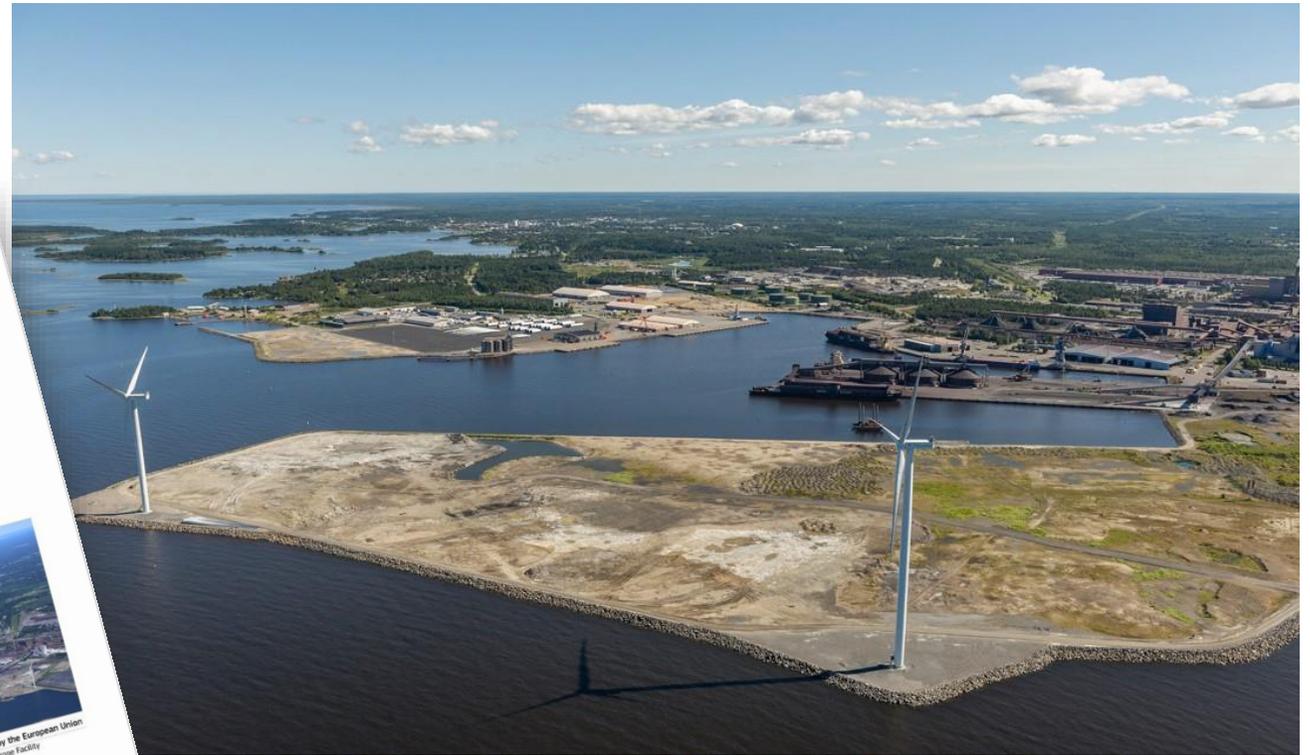
Procurement of additional environmental efforts for two new-build bulk carriers



Activity 2

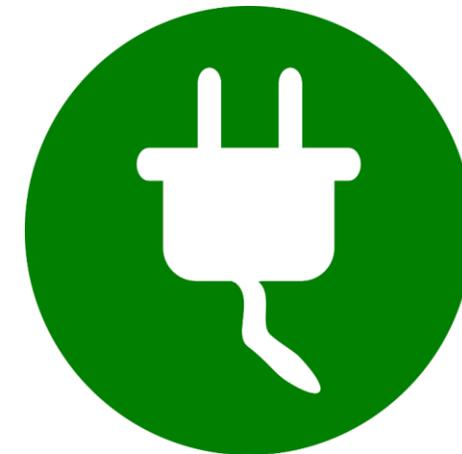
Development of port infrastructure and efficiency in the Port of Raahе

- Capital dredging
- LNG refuelling truck
- Port development study



Activity 3

Development of an on-shore power supply in port of Luleå and studies in Raahen and Oxelösund



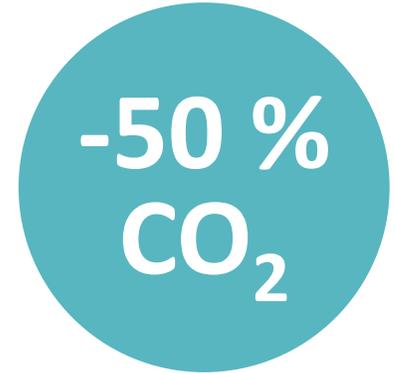
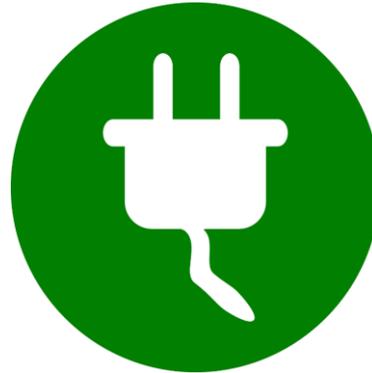
Activity 4

Customization of existing LNG safety handling and bunkering procedures to the specific needs in the ports of Raahе, Luleå and Oxelösund and technical study on small-scale LNG terminal in Luleå



Activity 5

Ex-post climate change impact assessment



Activity 6

Dissemination, communication and project management

- Project website: www.zerovisiontool.com/projects/bothnia-bulk
- Viikki and Haaga video

