



# Introduction to BPO and Green InfraPort Project

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Bogdan Ołdakowski, Secretary General,  
Baltic Ports Organization



# BPO – who we are?

## BPO – Baltic Ports Organization



### **established**

October 10, 1991  
Copenhagen



### **nearly 50 members**

major ports in the 9 countries



### **registered in Estonia**

Port of Tallinn headquarter



### **office in Gdynia**

Poland





# BPO – who we are?

## BPO's mission



The BPO's mission is to **contribute to sustainable development** of maritime transport and the port industry in the Baltic Sea Region, thereby **strengthening its global competitiveness**.





# BPO 25<sup>th</sup> Anniversary





# BPO Tag Map

What we deal with?

Russian Economy EFFICIENCY 45 Members  
TEN-T/CEF Environment  
Comprehensive Ports  
Green Ports SECA NECA OPS  
Cooperation Sewage  
Overcapacity Projects The Baltic Sea EU  
Synergies Port Package  
EU Economy LNG  
Too Many Ports Waste From Scrubbers  
Relations Baltic Ports Organization







# Green InfraPort Project

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The initiative addresses a few environmental developments and challenges:

- Port reception facilities for sewage from passenger ships
- Liquefied Natural Gas (LNG) bunkering infrastructure
- Port reception facilities for waste from scrubbers in ports
- Onshore power supply and energy management in ports and terminals





# Green InfraPort Project

## Project set-up

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Partners:

- Baltic Ports Organization
- SSPA Sweden
- Motus Foundation

Project duration:

April 2016-end of April 2017

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Co-financed by:





# Main objective

Reducing impact of shipping and ports on the environment

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Specific objectives are:

- Planning and construction of waste water reception facilities in ports;
- Facilitating the reception of waste from scrubbers in ports;
- Optimizing the energy use in ports and onshore power supply;
- Using LNG as an alternative fuel for ships and source of energy for terminal vehicles.







# Project outputs

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## **Output 1:**

State of play in the field addressed by the project including an overview of complementary projects

## **Output 2:**

Assessment of investment needs/interest and plan for the main stage project

## **Output 3:**

Report on funding possibilities, inputs for applications for main project(s)

**In long run:** Investment projects in ports





# LNG in the Baltic Sea Ports project I

BPO initiated the project with 7 ports



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Pre-investment studies such as EIA, feasibility analyses for LNG terminals or bunkering vessels, project designs, regional market studies, safety manuals, etc.

Stakeholder platform that facilitated discussions among port authorities, shipowners, gas infrastructure providers, energy traders and bunkering companies.

Project budget – appr. € 3.5 mln. / Jan. 2012-Dec. 2014





# LNG in the Baltic Sea Ports project II

BPO extended the network with 5 other ports



Similar scope

The Global Project is focused on the harmonized pre-investment works and development of facilities for LNG bunkering infrastructure in Baltic Sea ports.

Project budget – appr. € 1.5 mln. / Jan. 2014-Dec. 2015





# LNG in the Baltic Sea Ports Projects

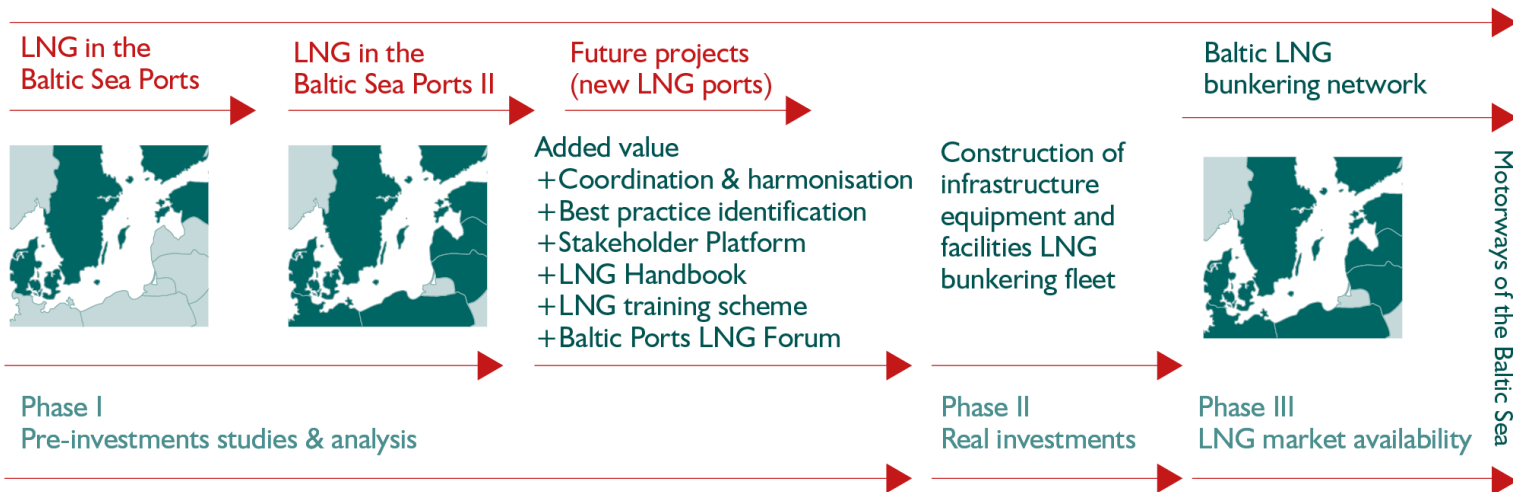
## Partners





# BPO projects: LNG in the Baltic Sea Ports (I and II)

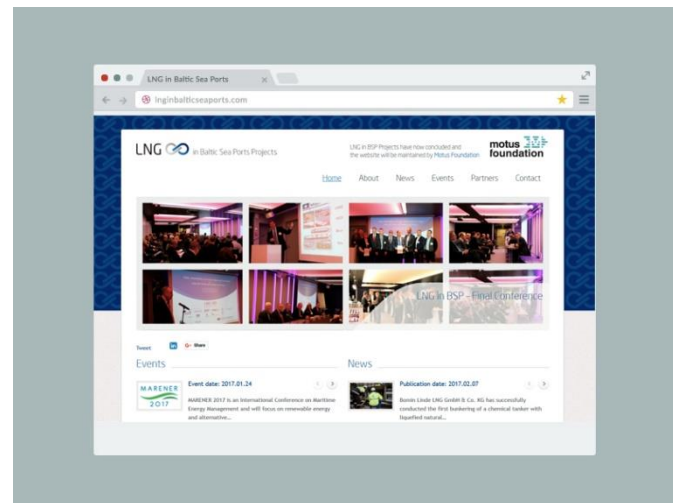
Global project: Development of an LNG bunkering network in the seaports of the Baltic Sea region as an element of the Baltic Motorways of the Sea Programme





# LNG in the Baltic Sea Ports projects

Check website and reports







# LNG bunkering in the Baltic ports



## Port of Stockholm

Ro-pax Viking Grace  
1000 plus bunkering  
operations





# Case studies

## Port of Helsinki

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Turva – coastal guard vessel  
Polaris - the first ever  
LNG-fueled icebreaker





# Case studies

Port of Oulu

—  
LNG-fueled icebreaker **Polaris**





# Case studies

## Port of Rostock

Bunkering of  
Greenland





# BPO policy

The Baltic Sea as a  
model region for green  
ports and maritime  
transport

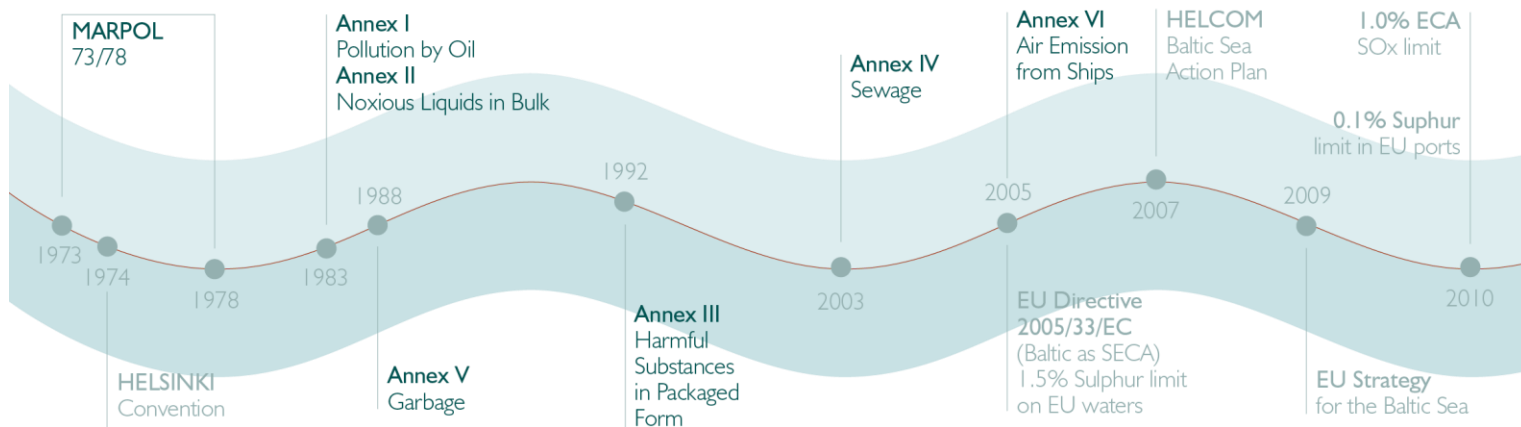
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Adopted at BPO General  
Assembly, Helsinki,  
September 2016



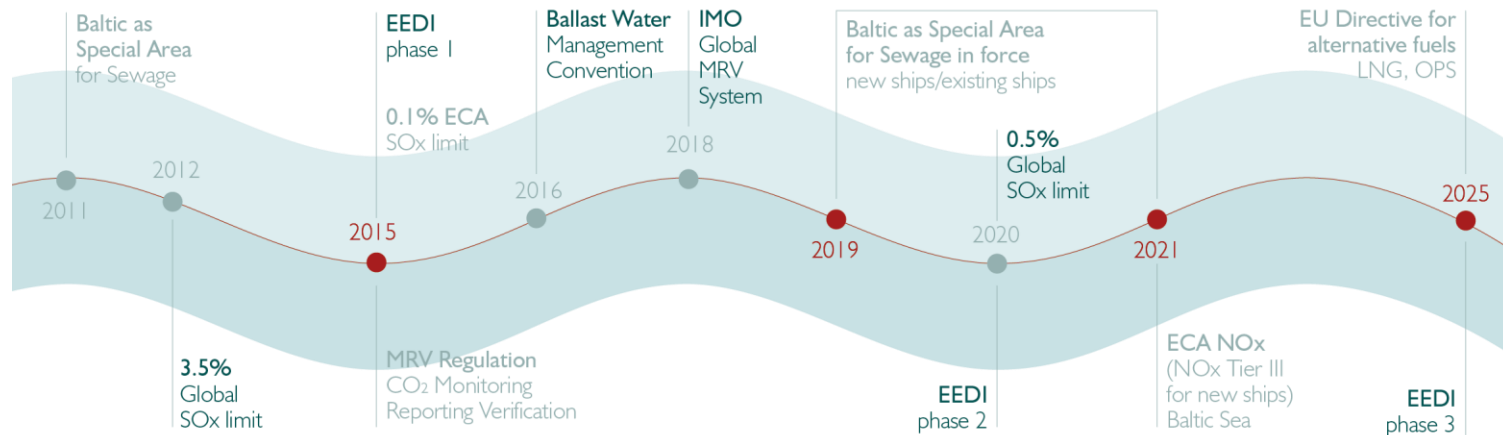


# Regulating maritime transport in the Baltic Sea Region





# Regulating maritime transport in the Baltic Sea Region





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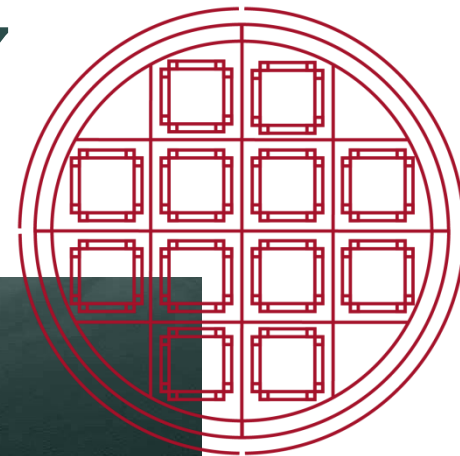
[bpo.sg@actiaforum.pl](mailto:bpo.sg@actiaforum.pl)  
[www.bpoports.com](http://www.bpoports.com)





# Baltic Ports Conference 2017

7-9<sup>th</sup> September 2017  
Port of Trelleborg, Sweden





# Baltic ports

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We are paving the way for greener ports

