



Contribution from BPO

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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

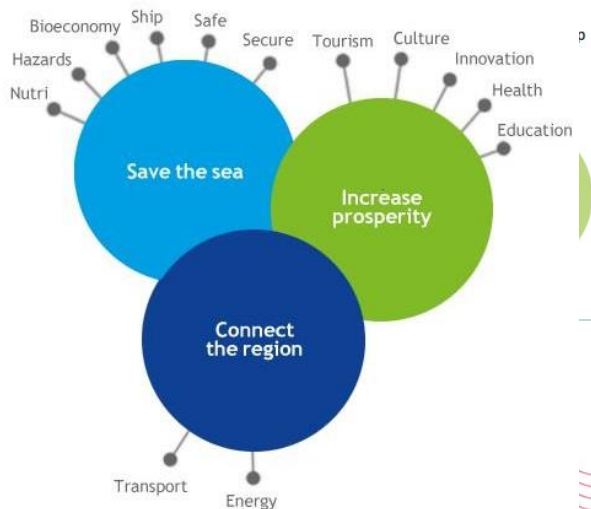


office in Gdynia

Poland



Policy Area on Clean Shipping (PA Ship)



The overall goal of the Policy Area on Clean Shipping (PA Ship) is for the Baltic Sea Region “to become a model region for clean shipping”.

PA Ship focuses on:

- Support measures reducing emissions from shipping including digitalization.
- Support research on emerging thematic challenges related to clean shipping and its impact on the environment and wildlife in the Baltic Sea.
- **Support development of shore-side facilities to enhance clean shipping measures including infrastructure for alternative fuels**



Onshore Power Supply

Case study

Port of Ystad



Source: Actemium



Onshore Power Supply

Case study

Port of Ystad





Onshore Power Supply

Case study

Port of Gothenburg



Onshore Power Supply

Case study

Port of Oslo



Onshore Power Supply

Case study

Port of Riga

Source: Schneider Electric

Containership terminal at Port of Riga



Berth under construction



ShoreBoX shipped from France

<https://www.youtube.com/watch?v=xmVkm12Uow4&feature=youtu.be>

- Port: Riga, Latvia
- Ship type: Containership
- Offer: 2x2MVA ShoreBoX with frequency conversion



Onshore Power Supply

Case study

Port of Trelleborg



Onshore Power Supply

Case study

Port of Hamburg (landside power)



Onshore Power Supply

Case study

Port of Hamburg (landside power)



Onshore Power Supply

Case study

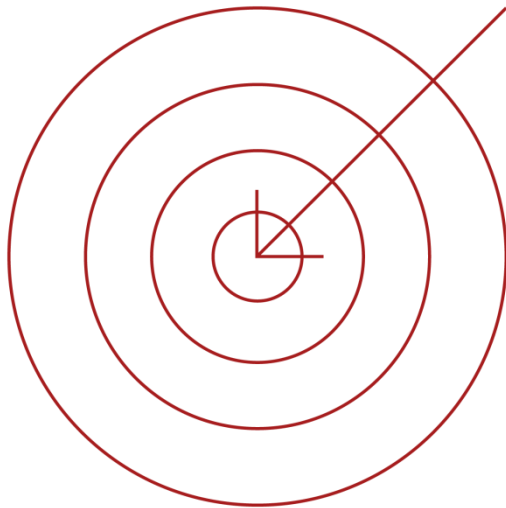
Port of Helsinki, One connection in Katajanokka Harbour



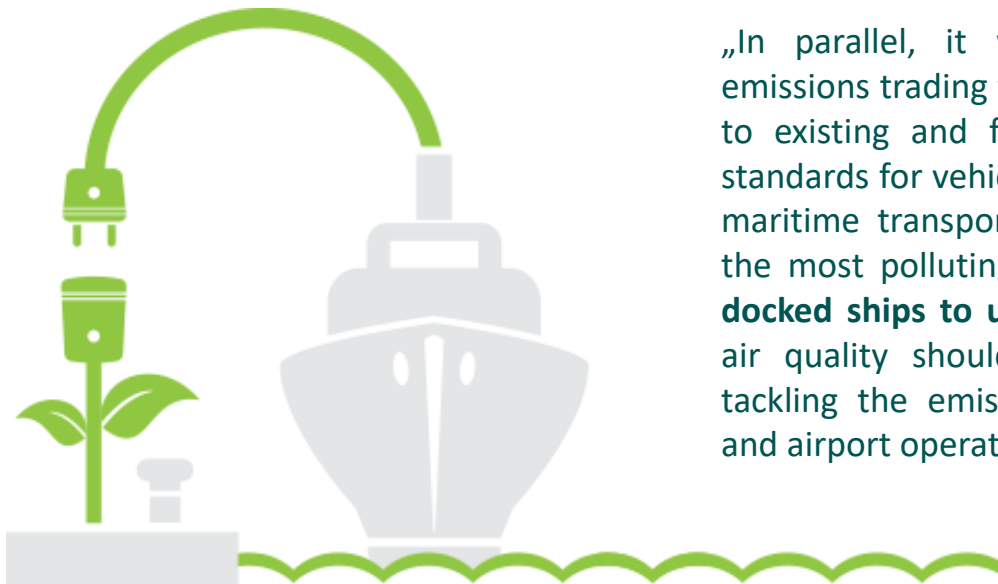


Challenges for OPS development

- Economic/business feasibility
 - many stakeholders
 - rather high costs
 - who should pay?
- Technology development
- Legal requirements, extensive administration and reporting
- Policy/regulations
- Taxation (incentives)
- Energy source (what is a portion of green energy?)



European Green Deal about Onshore Power Supply



„In parallel, it will consider applying European emissions trading to road transport, as a complement to existing and future CO₂ emission performance standards for vehicles. It will take action in relation to maritime transport, including to regulate access of the most polluting ships to EU ports and to **oblige docked ships to use shore-side electricity**. Similarly, air quality should be improved near airports by tackling the emissions of pollutants by aeroplanes and airport operations.”

Source: EU





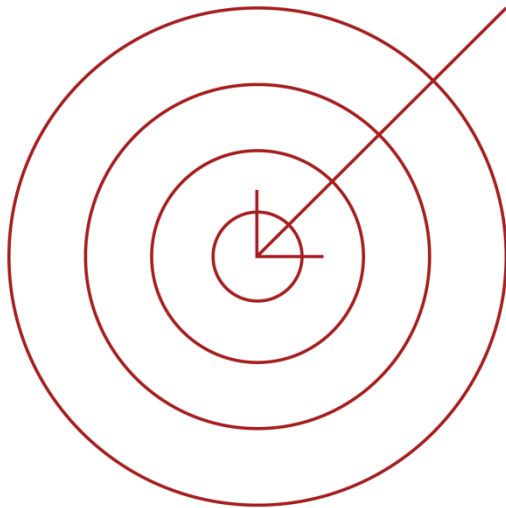
Challenges for OPS development

Point of view from BPO

- Baltic is a model region for green maritime transport (OPS is broadly applied)

View on OPS

- policy should be technology neutral;
- it should not cover all ports or all berths,
- ports are different,
- equal and balanced obligations on ships and ports,
- public money is needed.





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

Adopted at 2017



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





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