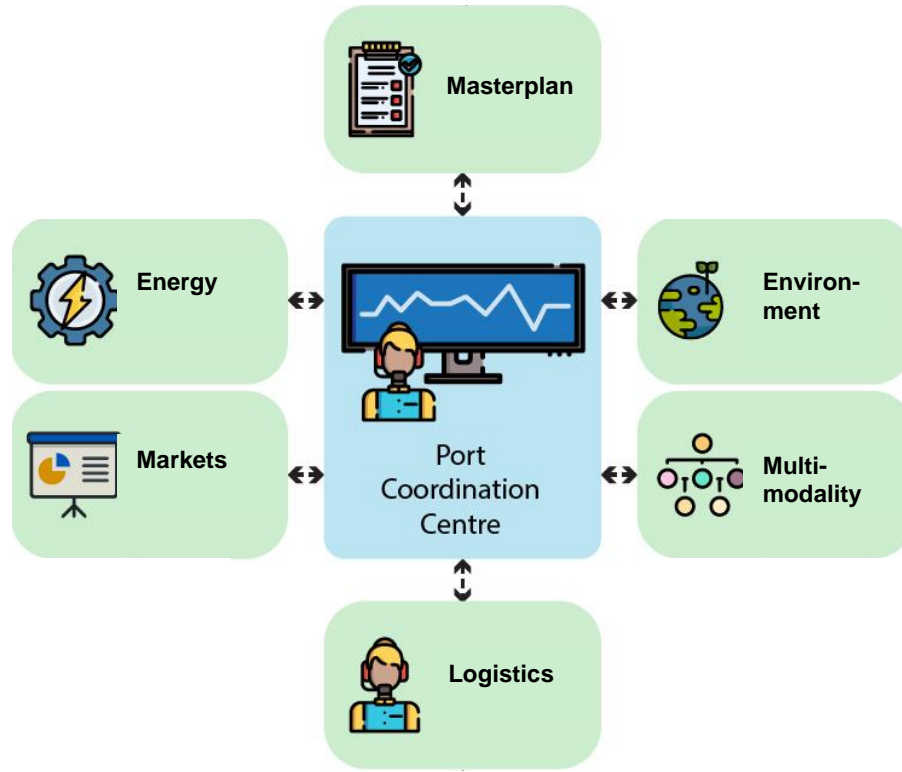


New container port

New concept for transport

Energy production

Digitising, logistics and services



# Shorepower for all ships

Bontelabo

Nøstet

Dokken

Nordnes

Hurtigrutekaaien

Puddefjorden

## Europe's largest Shore Power facility for cruise

- 3 cruise ships simultaneously
- 5 supply pits
- 48 MVA

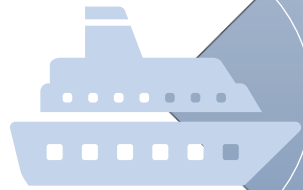


-  Offshore/low voltage (IEC 80005-3), 2,4 MVA – in use
-  Hurtigruten/Coastal Express (not standard), 1,6 MVA – in use
-  Cruise/high voltage (IEC 80005-1), 48 MVA – 2020
-  Offshore/low voltage (IEC 80005-3), 3,2 MVA – 2020
-  Smaller ships (not standard) – 2020

Bergen Havn

PLUC





There are many ways to reduce the environmental impact of ships



The aim of EPI is to assess and reward a ship's improvement of operations while in port




# Digital solution

EPI PORTAL


My ports

Search 17 ports




**Alesund**  
Alesundregionens Havnemusei

4




**Andalenes**  
Port of Andalenes

3



**Bergen**  
Port of Bergen

7




Name: Bergen  
Country: Norway

UNLOCODE: NOBGO  
Description: Port of Bergen


My vessels

Search 122 vessels




**Seabourn Quest**  
Build in Genoa, Italy Building ...

3




**Serenade of the Seas**

1




**Serenissima**

3




**Seven Seas Explorer**

2




**Seven Seas Navigator**

2




**Silver Spirit**

4




**Silver Wind**

8




**Spirit of Discovery**

2



Create new vessel



IMO number: 9767106    Name: ms Nieuw S  
 Length: 299.79 m    Breadth: 35 m  
 Draft: 8.3 m    Gross tonnage: 99836 GT  
 Kiel laid: 2018    Year built: 2017  
 Shore power: 19000 kW    Engines: 4  
 Boilers: 2

EPI score: 36.1

View your EPI Score details.

Emission component	NOx	Weight 40%	SOx	Weight 20%	PM	Weight 20%	CO2e	Weight 20%
Electrification	0.0%		0.0%		0.0%		0.0%	
> Fuel quality	0.0%		19.6%		18.2%		0.0%	
> Exhaust cleaning	0.0%		39.3%		0.0%		0.0%	
> Combustion improvement	23.8%		0.0%		0.0%		0.0%	
Energy efficiency							55.7%	

EPI PORTAL

Ports | Vessels | Fleets | Port stays | Dashboard | Support

EPI scores over time YTD



Distribution of EPI scores YTD



Fuels consumed (tons) YTD



Emissions (tons) YTD



Use of emission reduction technologies (h) YTD



Use of electrical power supply (MWh) YTD



# Thank you

For further information - Visit [EPIPORT.ORG](http://EPIPORT.ORG)

