Making your port or marina more energy efficient in a cost efficient way, involving renewable energy technologies

Interreg
EUROPEAN UNION
2 Seas Mers Zeeën
Ports Energy and Carbon Savings
European Regional Development Fund

Small and medium sized ports and marinas are facing huge challenges in order to reduce their carbon footprint and their energy consumption. Most of the tools and renewable energy technologies have been developed for major ports, but they are not always appropriate for SME ports or marinas. Moreover, the SME Ports have little access to national or European funding in order to reduce their fossil energy consumption in a cost effective way. Finally, these ports often do not have the knowledge, time, nor the means to analyse and determine which low carbon technologies are present on the market and what the effects might be of installing them as regards to costs, energy and carbon reduction. The PECS project has been created not only to help participating ports in this, but also all other SME ports in the 2 Seas area.

PECS aims to develop and to test different tools and technologies in order to reduce the carbon footprint of the SME-ports and marina's, and to make their functioning more energy-efficient in a cost-effective way. The cooperation between port authorities, the industry and local stakeholders might be one of the ways to reach these targets. Moreover, innovation will be stimulated in close cooperation between the knowledge institutions, the industry and the concerned ports, in order to produce low carbon technologies, which are more adapted to the needs of SME ports and marinas.

Lead by the Port of Oostende, knowledge institutions, port authorities, industry and public authorities are working together within the framework of the cross- border Interreg 2 Seas program in order to test different technologies and methods in the field of renewable energy production, energy recuperation and energy storage on land and in the water.

PECS covers following topics:

- Energy efficiency and recuperation in ports and marinas
- Energy audit and data collection in ports and marinas
- Carbon reduction pilots in ports, implementing renewable energy technologies (wind, solar, heat, wave)
- Energy storage on land and water
- Innovation in ports in the field of energy efficiency and marine industry
- Involvement of ports, local stakeholders, and the industry active in the ports

PECS partners :

- Port of Oostende (BE)
- Port of Portsmouth (UK)
- Muncipality of Hellevoetsluis (NL)
- Indaver (FR)
- Omgevingsdienst Ijmond (NL)
- Blue Power Synergy (BE)
- University of Ghent (Power-Link) (BE)
- Solent University Southampton (UK)
- HZ University of Applied Sciences (NL)
- CEREMA (FR)

- Project timeline: 12/07/2017 - 31/08/2020
- Project budget: € 8.071.879

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- www.pecs2seas.eu

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