

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

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 or the means to analyse and determine which low carbon technologies are available 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 to help the participating ports in this matter, as well as 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 marinas, and to make their functioning more energy-efficient in a cost-effective way. The cooperation between port authorities, the industry and local stakeholders within the cross-border framework of the Interreg 2 Seas programme will be one of the ways to reach these targets. Moreover, innovation will be stimulated through the input of and the close cooperation between the knowledge institutions.

PECS deliverables:

- Tools for small and medium sized ports or marinas:
 - An energy audit
 - The assesment of the potential of renewable energy technologies
 - The identification of energy efficiency measures
 - The selection of the best mix of carbon reduction options
- An energy cooperation structure for these ports
- 9 different low carbon technologies implemented in these ports, i.e. small and medium sized wind turbines, pv, energy pontoons, energy efficient roro, waste renewal installation, energy management system, energy storage, LED lightning, etc.
- Independent verification studies for the feasibility of the implementation of these low carbon technologies.

PECS partners :

- Port of Oostende (BE)
- Port of Portsmouth (UK)
- Municipality of Hellevoetsluis (NL)
- IndaChlor (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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