

Ealing **Studies Action** - ACTIVITIES

EALING Studies aim at providing a suitable answer to the **need of moving towards a more competitive and sustainable TEN-T Maritime Network**, answering to the key challenges concerning environment and sustainability.

The activities carried out in each of the consortium's ports are aimed at performing all the studies that are necessary to accelerate the implementation of OPS in their ports.

- A1 Harmonised Framework for the electrification of the participating TEN-T maritime ports**
 Detailed analysis on the current status of technical, legal and regulatory framework – at Member States level and at EU level – concerning the implementation of OPS in EU ports and recommendations focused on how to implement a workable and coordinated framework boosting the development of OPS in ports of the TEN-T Network.
- A2 Maritime fleet adaptation**
 Study of the maritime electrification standards across the ports of the consortium and the vessels operating in these ports, providing operational recommendations - taking IMO guidelines as a reference - for a harmonised technical, legal and regulatory framework on maritime fleet adaptation for electrification.
- A3 Technical studies for the electrification infrastructure of the participating TEN-T maritime ports**
 Technical design studies for the electrification infrastructure necessary for the ports of the consortium: this includes the development of front-end engineering design (FEED) studies and other necessary technical studies that will feed into the tender specifications of the future equipment and infrastructure.
- A4 Environmental studies**
 Environmental studies, the scope of which will depend on the needs of each port. They will take into account the provisions stated in the Strategic Environmental Assessment (SEA) Directive (2001/42/EC) and the Environmental Impact Assessment (EIA) Directive (2014/52/EU), contributing, if necessary, to obtain the permits on the projected works for the future OPS infrastructure in the ports of the consortium.
- A5 Clean power supply plans and tender documents**
 Clean energy supply plans (preparation or update) of the consortium's ports, based on the baseline identified for each port, in order to ensure the integration of OPS in the internal strategies of the Port Authorities; preparation of the tender documents for all proposed investments.
- A6 Cost-benefit analysis and Financial blending schemes**
 Cost-benefit analysis (CBA) for each OPS project of the maritime ports involved in the EALING Action and suitable investment schemes design, which will allow the ports to proceed to the Financial Investment Decisions.

Consortium



Do you want to know more about EALING Studies?

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EALING

European flagship Action for cold IronING in ports

16
European Ports

22
Partners

3
Sea Basins

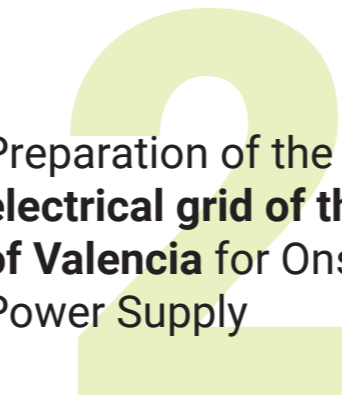


- 1**
- Common EU harmonized, interoperable and sustainable framework for the **deployment of Onshore Power Supply (OPS) in ports**
 - Port-to-vessel **compatibility**
 - Effective launch of **OPS infrastructures in ports**



EALING Works
Valenciaport

- 2**
- Preparation of the **electrical grid of the Port of Valencia** for Onshore Power Supply



- 3**
- Implementation of at least **30 installations in at least the 16 EU ports** of the EALING Studies Action

