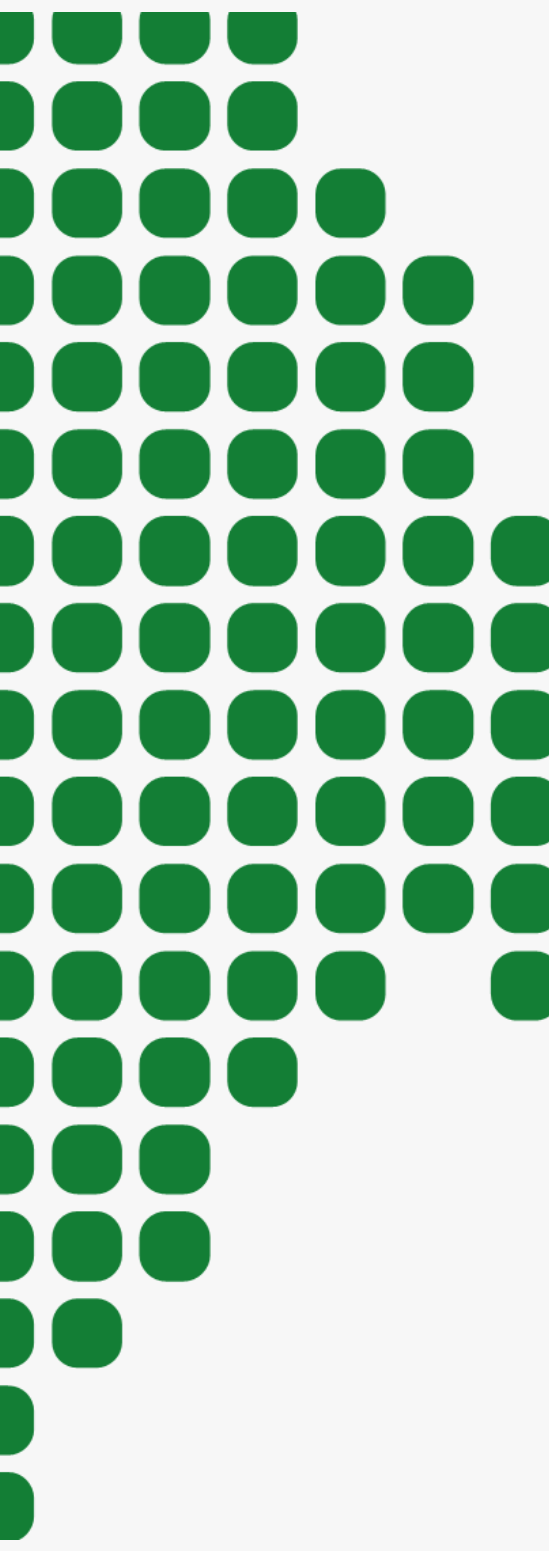


PIONEERS


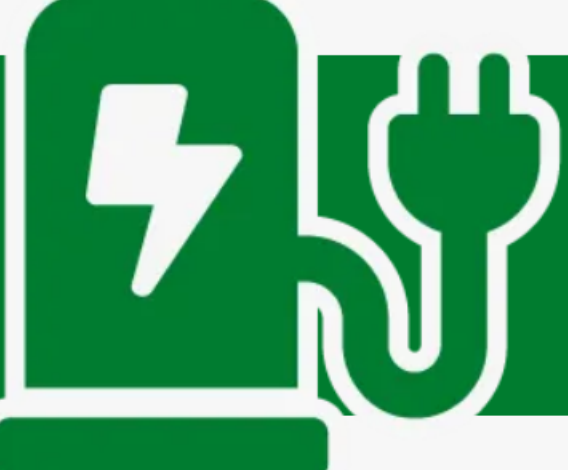



Portable Innovation Open Network for Efficiency and Emissions Reduction Solutions

 This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101037564. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.

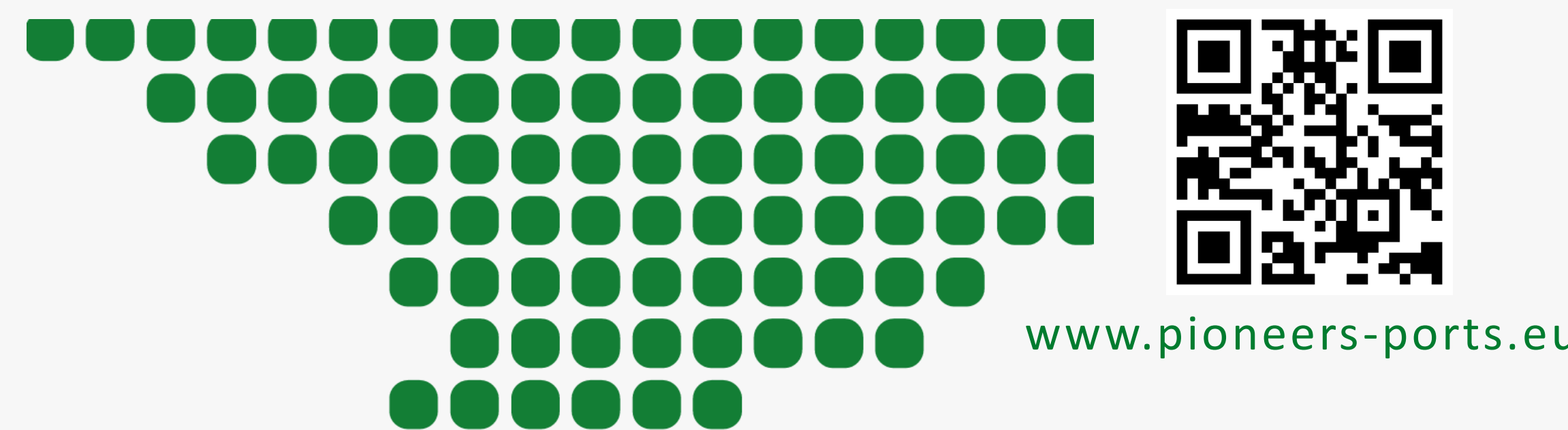
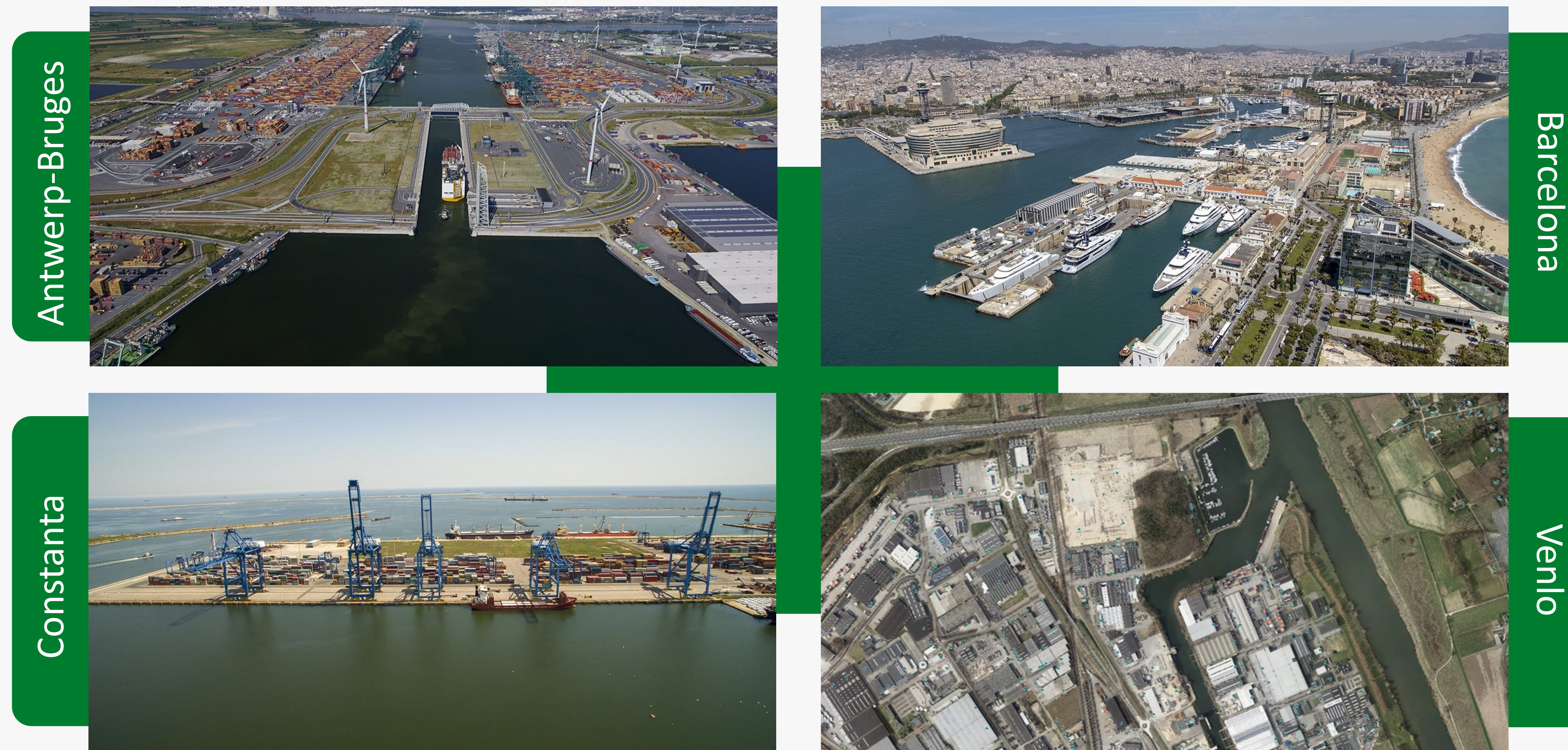
PIONEERS addresses the challenges faced by European ports to reduce their environmental impact while remaining competitive and offering added value in a sustainable global trade ecosystem. It aims to deliver a Master Plan for the greening of ports to become climate neutral by 2050.



Objectives

-  1. Reduce the port's total environmental footprint by introducing Clean Energy production, storage, and supply.
-  2. Deploy sustainable port infrastructure beyond energy supply and demand.
-  3. Introduce eco-friendly improvements relying on digitalisation and new methods of operation.
-  4. Co-define and transfer PIONEERS' demonstrations to fellow ports during the project lifecycle.
-  5. Deliver and disseminate a Port Master Plan for the transition towards GHG-neutral shipping and wider multimodal mobility by 2050.

4 Pilot Sites



Challenges

- Demonstrating integrated low-emission energy supply and production at ports and supply systems.
- Demonstrating sustainability and innovation beyond energy supply and demand at ports.
- Demonstrating seamless and highly efficient logistics operations, for integrated sea/river-port-hinterland connections.
- Performing pilot activities to showcase the positive environmental effects of digitalisation in ports.
- Delivering new tools and optimisation mechanisms for multimodal access, facilitating port access and reducing traffic from/to the city or other nodes.
- Assessing non-technological framework which can provide financial/operational incentives and legal certainty for implementing low emission solutions.
- Developing and promoting new multi-actor governance arrangements that address the interactions between all port-related stakeholders.
- Delivering a Master Plan for the future Green Port.



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www.etp-logistics.eu/pioneers/

