

PIONEERS

Our Ambition:

The **PIONEERS project** is tackling the pressing challenge of reducing the environmental impact of European ports while maintaining competitiveness and adding value to the global trade ecosystem. Aligned with the European Green Deal's goal of **making Europe climate neutral by 2050**, PIONEERS we aims to demonstrate cutting-edge solutions that will lead the way for ports across Europe and to deliver a Green Port Masterplan for the transition towards GHG-neutral shipping and wider multimodal mobility by 2050.

Our Goals:

Bringing together four ports (Antwerp-Bruges, Barcelona, Constanta & Venlo) with different characteristics but shared commitments toward Green Deal goals PIONEERS will **demonstrate 19 cutting-edge solutions to transform ports into key hubs** for renewable energy, decarbonisation, and multimodal logistics.

The project pillars:

- Clean Energy Production and Supply
- Sustainable Port Design
- Modal shift and flows optimisation
- Digital Transformation

Key Demonstrators:

Visit our **Demonstrators Showcase** to explore **groundbreaking innovations** such as hydrogen technology, smart logistics, automated vessel operations, and more, which are currently being trialed at the ports of Antwerp-Bruges, Barcelona, Constanta, and Venlo. These demonstrations serve as a model for the future of sustainable port operations.

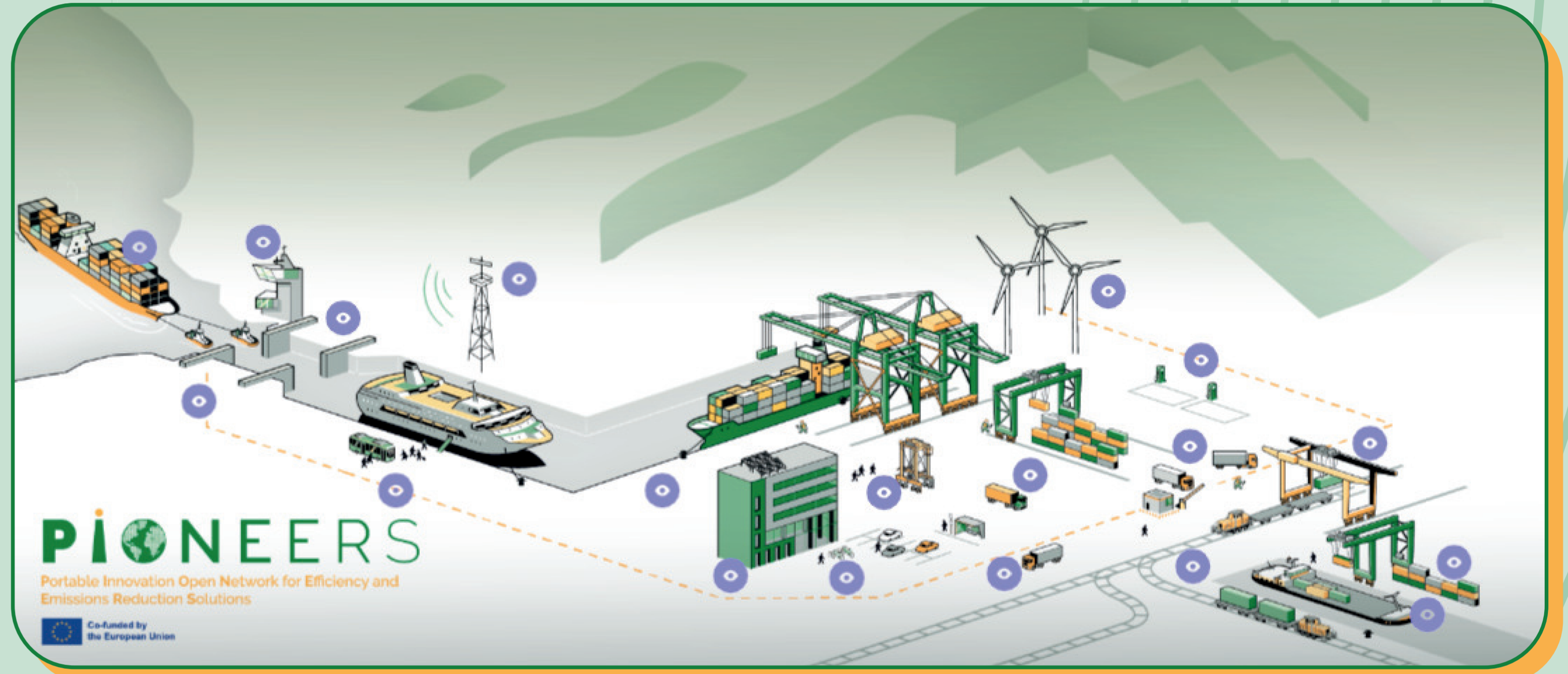
Join the journey towards a greener future!

Scan the QR code to explore the **PIONEERS Demonstrators Showcase** and see the future of European ports in action:



19 DEMOS IN THE FIELDS OF

1. clean energy production and supply
2. sustainable port design
3. modal shift and flows optimization
4. digital transformation



Project Timeline 2021-2026

2021 Project Start | 2026 Project End

Consortium: partners across European ports and industries

