



## REDII Ports

Funded by the Interreg North Sea Region Programme, and supported by the North Sea Commission

### Our Mission

REDII Ports (Renewable Energy Development and Intelligent Implementation in Ports) aims to exploit resources for a technically feasible and economically affordable generation, storage and consumption of cleaner energy and fuels.

### Our Focus

#### Renewable Energy Inland Transport

#### Wind

- Small scale Solutions within ports areas



#### On shore Power

- Shore power system (pelagic vessels)

#### Ammonia

- Analysing ammonia ecosystem
- Use in maritime industry



#### Hydrogen

- H2 production & supply chain
- H2 powered vessel



#### Solar

- Mobile energy storage: battery bank with a solar roof module



#### E-Methanol & Biomethanol

#### Battery

- Battery technologies
- Battery, grid, port-Integration
- Onshore power supply



#### Disposal Collection Market Platform

- Facilitating biomass and waste trading

#### Craft Port Eco-System tool

- A graphical tool visualising H2 ports and the related industrial ecosystem



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## REDII Ports

### Project Duration:

September 2022 - March 2026

**Budget:** 6,871,620 €

**ERDF:** 3,672,972 €

REDII Ports works on a 3-step Roadmap moving from local sources to production/storage in ports to market, closing the circle by benefiting the regions. Highlights in the projects:

- **Renewable energy test fields monitored in Emden port:** Micro wind turbines; containerized wind turbine; battery storage.
- Feasibility study focusing on **the uptake of E-methanol & Biomethanol production** in Egersund Port.
- Studies on hydrogen in Brest Port and Saint-Malo: Analysis on **hydrogen consumption & needs**; data integration on CRAFT platform.
- **Material Flow Analysis:** Map out the excess material flows in Egersund/Zwolle/Skagen Ports.

#MadeWithInterreg



## Our Partnership

15 partners from 7 countries across north sea region are participating in REDII Ports.



### Project Management Team:

**Lead Partner Organisation:** Jesper Rulffs | jkr@skagenhavn.dk

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