

A photograph of an offshore wind turbine. The foreground shows a yellow maintenance platform with a white crane arm. Two workers in safety gear are on the platform. The crane arm has the text 'PALFINGER SCM 10-2.5X SWL 1.0 t - 2.6 m'. The platform is labeled 'A04' and has a warning sign. In the background, another wind turbine is visible on the horizon over the ocean under a clear blue sky.

PORTS PLAYING A CENTRAL ROLE IN OFFSHORE DECOMMISSIONING ACTIVITIES



Port of Grenaa
Support your business



INTRODUCTION

Theis Gisselbæk

- CCO at Port of Grenaa since 1st of January 2017
- Furthermore a long career in the wind industry, shipping and logistics
- **in** /in/theisgisselbaek/

Central location in Northern Europe



Offshore: North Sea, Baltic Sea
Onshore: Scandinavia, Baltics, Northern Germany



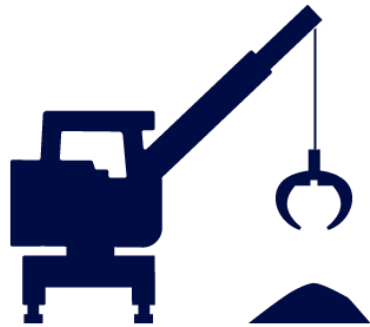
PORTS ARE **POWERFULL** GROWTH ENGINES

- **80%** of Danish foreign trade passes through Danish ports
- Danish ports invest in infrastructural improvements
- Specialize in different core segments:
 - Port of Grenaa, Lindø Port of Odense, Port of Esbjerg, Port of Frederikshavn

CORE BUSINESS



WIND



BULK



PROJECT
CARGO



RECYCLE-
& WASTE
MANAGEMENT



FERRIES- &
SHIPPING
LINES



RENTALS



STACKING &
MAINTENANCE

- Nordtank Energy Group
- Onshore wind
- Offshore wind: Anholt Offshore Wind Farm, Tetra Spar
- Service companies: DWP System Supplier, ALL NRG, Connected Wind Services, Øer (Norsea Group)
- Advisor: Taiwan, Japan, China
- Networking
 - WindEurope Ports Platform
 - Energy Innovation Cluster
 - Wind Denmark



WIND

- 350-400,000 tonnes a year
- Most advanced steel scrap site
- 0% waste goal



RECYCLE & WASTE MANAGEMENT

- Scrapping of vessels
- Vessel spare parts
- Gearbox maintenance
- Strongest recycling cluster and supply chain



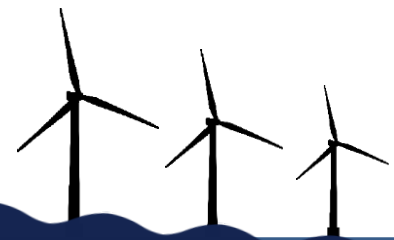
RECYCLE & WASTE MANAGEMENT

DECOM TOOLS – EU PROJECT

An international collaboration between thirteen partners to develop **eco-innovative concepts** for handling offshore wind turbines that are at the end of their lifespan.

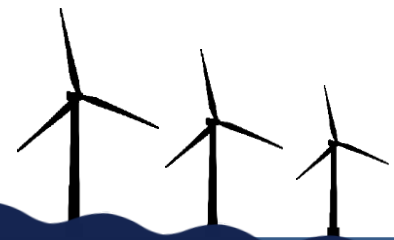
- Sustainable recycling of wind components
- The Univercity of Emden runs the project
- Financed by EU's Interreg programme

Interreg
North Sea Region
Decom Tools
European Regional Development Fund



KNOW-HOW AND STRATEGIC FOCUS

- Gather know-how on scrapped offshore wind farms
- Port of Grenaa has many years of experience as a base- and service port
- Significant strategic focus on recycling and circular economy



Interreg
North Sea Region
Decom Tools

European Regional Development Fund



EUROPEAN UNION

CIRCULAR ECONOMY



DECOM TOOLS



CSR



GLOBAL GOALS



HOUSE OF SUSTAINABILITY

SUPPORT
YOUR BUSINESS
the will to succeed...



Port of Genua
Support your business

