

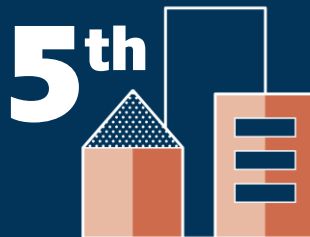
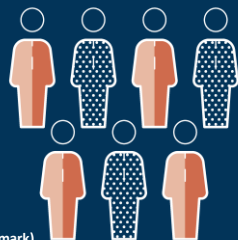
ESBJERG ENERGY METROPOL TRANSITION EXPERIENCE

ESBJERG MEANS BUSINESS

FACTS ABOUT ESBJERG, DENMARK

116,000
INHABITANTS

(1,2 mio in the region of Southern Denmark)



HIGHLY SKILLED

... and experienced **workforce**
within all aspects of the energy
sector.



NEWCOMER SERVICE

To help expats, we offer a newcomer
service to assist international
families a quick integration in
Esbjerg.



TWO UNIVERSITIES

... and 60 higher educations as well
as several bachelor educations.



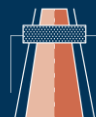
INTERNATIONAL EDUCATION

Esbjerg International School and
International Baccalaureate Diploma
Programme (IB).



DIRECT TRAIN

International train connections.
Copenhagen and Hamburg, 3 hours



HIGHWAY

... directly to Copenhagen, DK (3 hours),
Hamburg, DE (3 hours) and the rest of
Europe.



INTERNATIONAL AIRPORT

Esbjerg Airport – Aberdeen, Stavanger
Billund Airport– worldwide connections.
Only 40 minutes by car.

BUSINESS
ESBJERG

ESBJERG A DYNAMIC PORT



+150
YEARS

EXPERIENCE WITH
SEA CARGO



+100
YEARS

EXPERIENCE WITH
FISH



+50
YEARS

EXPERIENCE WITH
OIL & GAS



+20
YEARS

EXPERIENCE WITH
OFFSHORE WIND

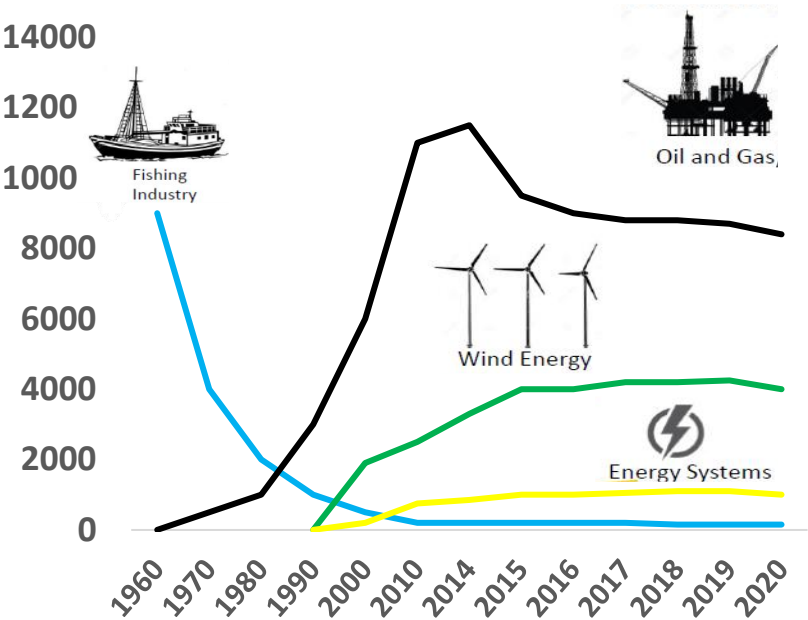
ESBJERG MEANS BUSINESS

ESBJERG THE ENERGY HUB

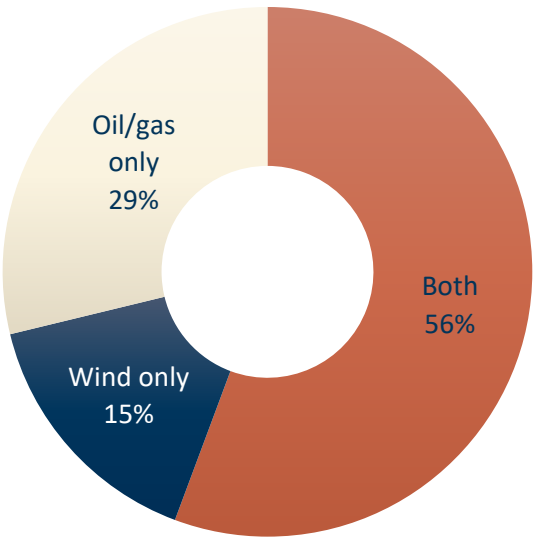


200 COMPANIES IN ESBJERG DEDICATED TO ENERGY AND OFFSHORE

Job distribution

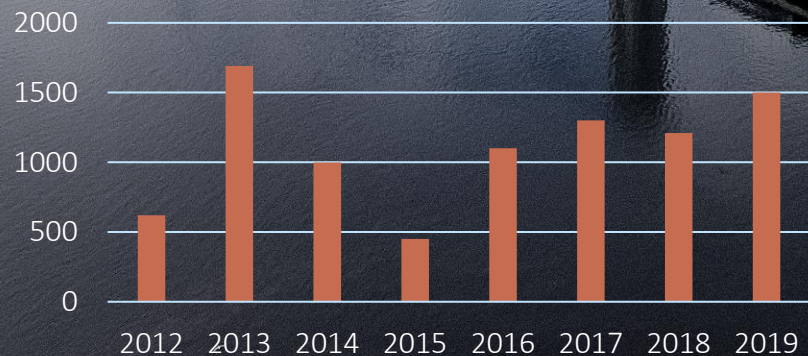


Sector distribution



ESBJERG INVOLVEMENT OFFSHORE WIND

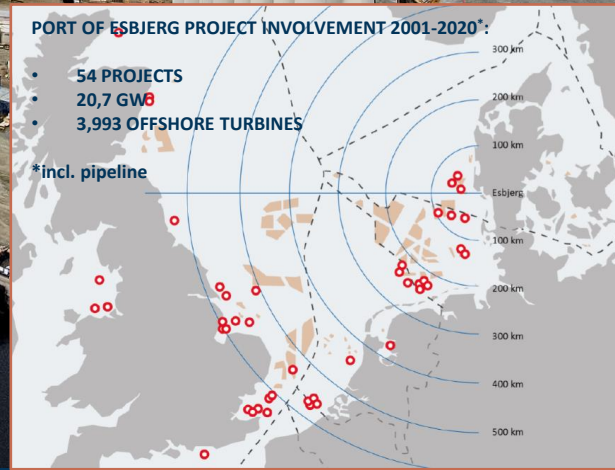
MW OFFSHORE WIND SHIPPED
FROM PORT OF ESBJERG



PORT OF ESBJERG PROJECT INVOLVEMENT 2001-2020*

- 54 PROJECTS
- 20,7 GW⁸
- 3,993 OFFSHORE TURBINES

*incl. pipeline



MAJOR BUSINESS DRIVERS

Offshore Wind



Oil and Gas



JOBS, COMPETENCES AND EDUCATION IN ESBJERG



JOBS CREATED

- Service Technicians offshore
- Ship crews for Crew Transfer Vessels and Special Offshore Vessels
- Assembly workers onshore
- Port blue collar workers
- Engineering jobs
- White collar workers, administration



COMPETENCES BACKGROUND

- Mechanics, heavy machinery
- Electrical, HV and LV
- Unskilled labor from Oil & Gas
- Vocational labor
- Health, Safety and Quality workers
- Engineers



EDUCATION

- Vocational school (Rybners)
- Labor continuing educational school (AMU)
- GWO safety training centers (RelyonNutec, Maersk Training, Rybners Rescue Center)
- Universities (Aalborg University Esbjerg and University of Southern Denmark)

TRANSITION EXPERIENCES



LOCAL COMMITMENT

- Companies, educational system and community must support the development of wind to succeed. Network is the keyword



POLITICAL INFLUENCE

- Gain political influence to explain socioeconomic benefits of offshore wind



INNOVATION WITH THE CUSTOMERS

- Collaboration with suppliers, OEM's, innovation clusters and universities pushes technology development



INFRASTRUCTURE IN PLACE

- Secure Investment in the right infrastructure to support the wind Industry



KNOWLEDGE TRANSFERS

- Have the right educational mix to support the Industry from vocational to master level



GREEN INVESTMENT IS GROWTH

- Because we know!

TOWARDS 2030

POTENTIALS FOR ESBJERG

- First Energy Island build in danish North sea, 10 GW offshore wind
- 100 GW offshore wind potential in Europe
- Investments in Power-to-X technologies, green e-fuels
- Copenhagen Infrastructure Partners Power-to-X project 1GW green ammonia production from green electricity
- Port infrastructure expansion
- Power hub for green educations



THANK YOU FOR LISTENING (Q&A)

