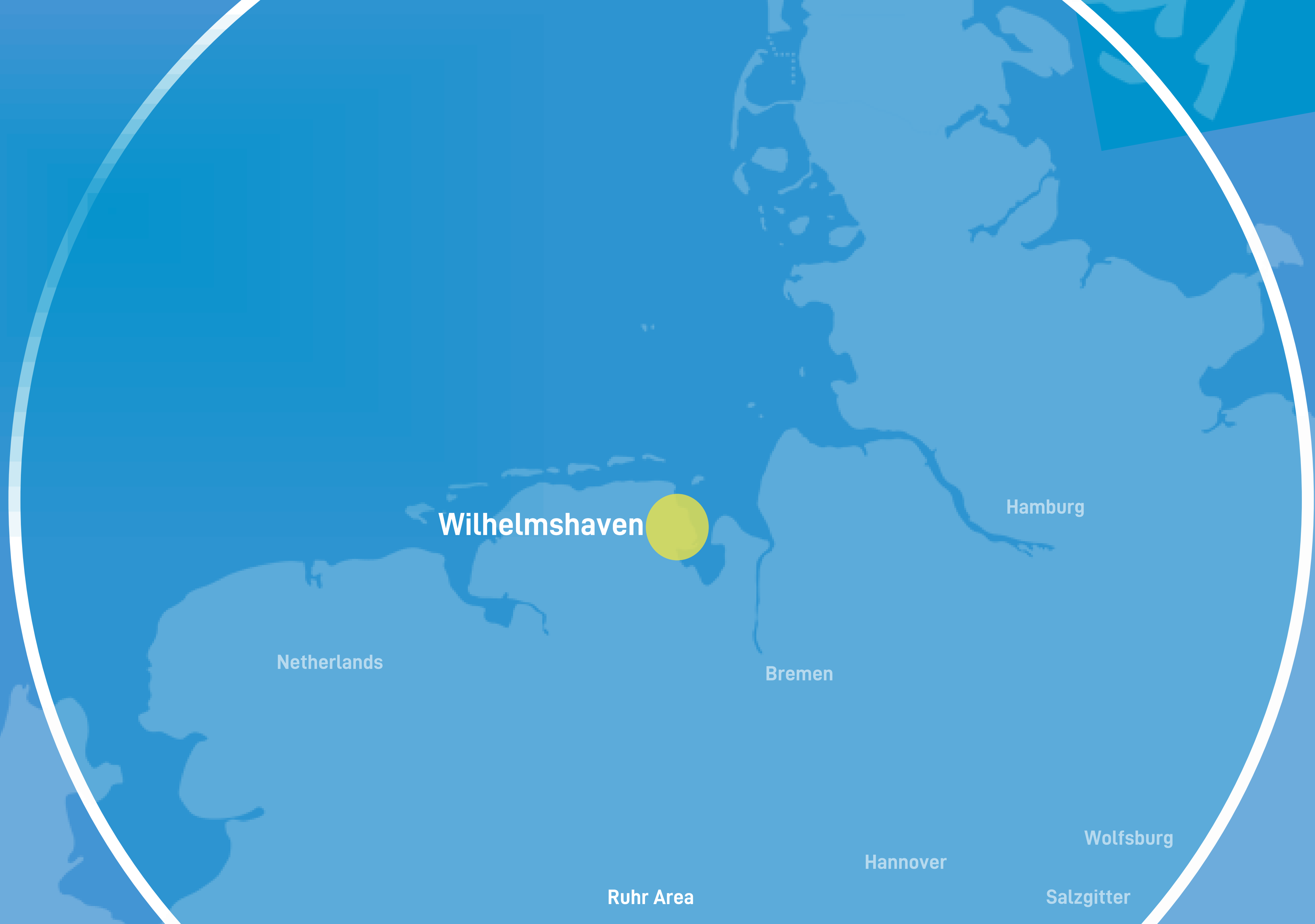




A **CHANGING**
WORLD.
A CITY IN
MOTION.

WIRTSCHAFT
WILHELMS
HAVEN





Wilhelmshaven

Hamburg

Netherlands

Bremen

Hannover

Wolfsburg

Ruhr Area

Salzgitter

1869 1900 1945 1973 2021 Future

FOSSILE AGE POSTFOSSILE AGE

FOUNDATION



COMMERCIAL
PORT



NAVAL HARBOR



INDUSTRY



ENERGY



MARITIME
INDUSTRY



GERMAN NAVY



ENERGY HUB



Carbon neutral
city and
industry



UNESCO WORLD
NATURAL
HERITAGE THE
WADDEN SEA



SOFT SKILLS



CHEMICAL
INDUSTRY



OLYMPIA WERKE



150 YEARS WILHELMSHAVEN.
A CITY IN MOTION.





GUIDING THEME. PORT OF WILHELMSHAVEN.



WIRTSCHAFT
WILHELMS
HAVEN



GUIDING THEME. PORT OF WILHELMSHAVEN.

LOGISTICS HUB

- Container terminal
- Freight traffic centre
- Logistics sector Wilhelmshaven



MARINE

- Base
- Naval Arsenal
- Naval services



ENERGY HUB

- Imports of renewable energies
- Hydrogen value chain
- Infrastructure
- Energy services



MARITIME INDUSTRY AND SERVICES

- Shipyards
- Maritime services
- Cargo handling
- "Roll-on-Roll-off "services



TOURISM

- Port tourism
- Ferries/Cruises



PORT OF
WILHELMS
HAVEN



WILHELMSHAVEN.

WIRTSCHAFT
WILHELMS
HAVEN



WILHELMSHAVEN

GERMANY'S ONLY DEEP-WATER PORT.

Handling capacity
2.7 million TEU a year

LAT **18 m** of
water-depth



TRANSFORMING TOWARDS CARBON NEUTRALITY

HYDROGEN INFRASTRUCTURE

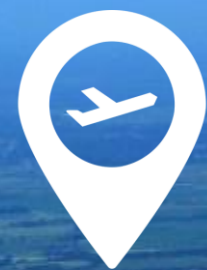
TO SUPPLY THE GERMAN INDUSTRY.

WIRTSCHAFT
WILHELMS
HAVEN

Onshore wind power (456,92 GWh)
+ 40 GW Offshore wind power (until 2040)



JadeWeser
Airport



1.000 ha commercial and industrial premises

Min. 400 ha right at the JadeWeserPort

NON-TIDAL
HARBOR

NAVAL BASE

CHEMICAL
INDUSTRY

CRUDE OIL
STORAGE

CRUDE OIL
HANDLING

CONTAINER TERMINAL
JADEWESERPORT

deep fairway

INFRASTRUCTURE & FREE INDUSTRIAL SITES



PORTS

Deep-water port & tideless port

Import terminals for container, petroleum, hard coal & chemical products

Naval base

TRANSPORT LINKS

Railway connection

- Railway tracks start/end at the port
- Fully electrified by 2023
- Connections to the south via Oldenburg, Bremen

Road transportation

- Highway/Autobahn A29

Air connections

- JadeWeser Airport
- Business aviation

WILHELMSHAVEN. SCIENCE AND EDUCATION LOCATION.

FUTURE TRILATERAL WADDEN
SEA CENTRE (TWWP)

Trilateral Wadden Sea World
Partnership Centre

INSTITUTE FOR CHEMISTRY
AND BIOLOGY OF THE
MARINE ENVIRONMENT

SENCKENBERG MARINE
RESEARCH INSTITUTE

GERMAN WIND
ENERGY INSTITUTE

THE INSTITUTE OF AVIAN
RESEARCH

INSTITUTE FOR
HISTORIC
COASTAL
RESEARCH

GERMAN CENTRE
FOR MARINE
BIOIVERSITY
RESEARCH

JADE
UNIVERSITY

WIRTSCHAFT
WILHELMS
HAVEN

WILHELMSHAVEN. 40 GIGAWATT. RIGHT ON THE DOORSTEP.

Forecast for 2040

Source: Bundesamt für Naturschutz

FUTURE GERMAN
OFFSHORE WIND FARMS

DENMARK

GREAT BRITAIN

PROJECT
„NEUCONNECT“

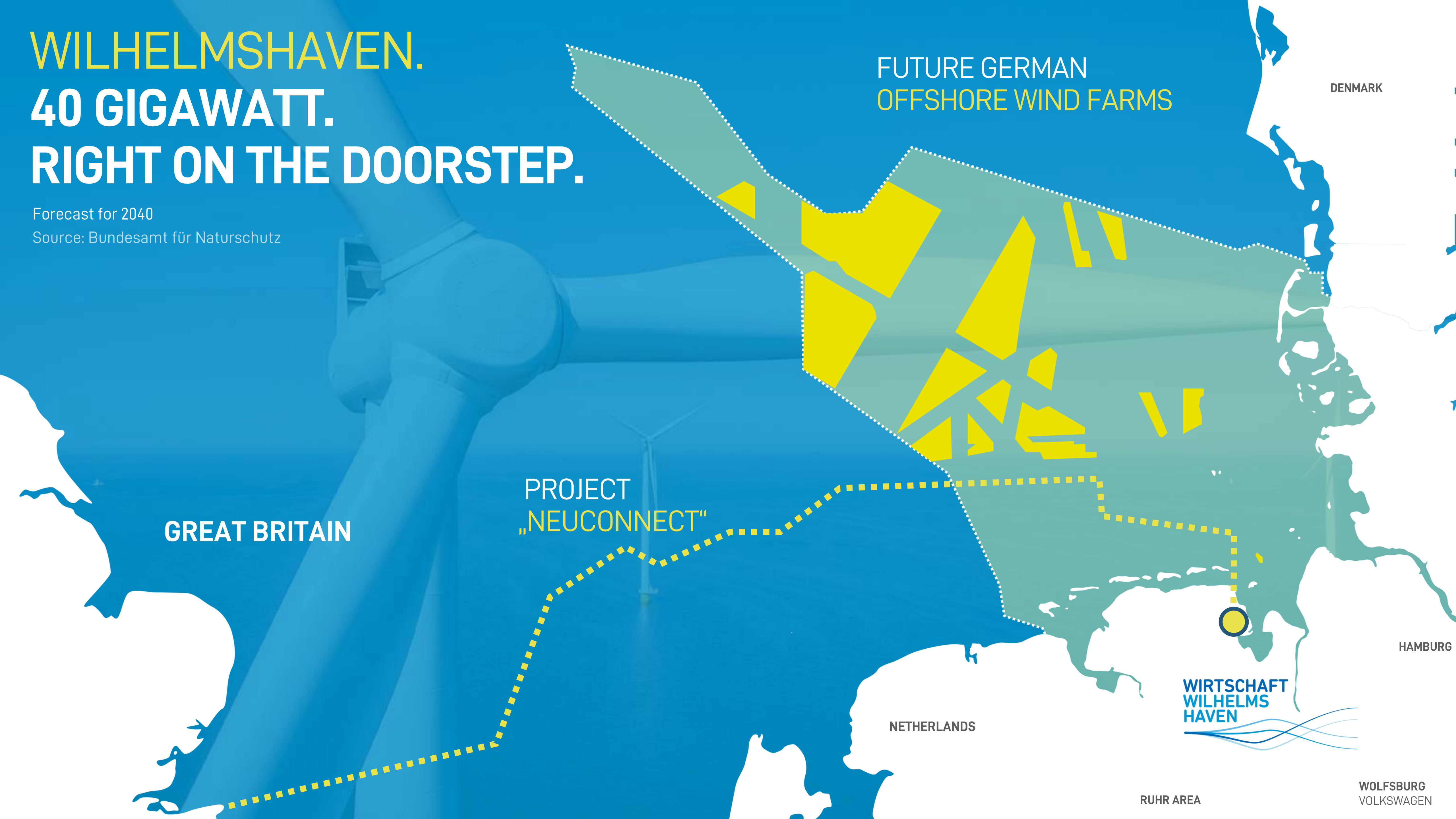
HAMBURG

WIRTSCHAFT
WILHELMS
HAVEN

NETHERLANDS

RUHR AREA

WOLFSBURG
VOLKSWAGEN



WILHELMSHAVEN. ENERGY-H₂UB.



**FUTURE
40 GIGAWATT
ON THE DOORSTEP**



**CENTRAL HUB
FOR HYDROGEN.**

**CONVERSION OF
THE EXISTING
INFRASTRUCTURE**



**PORT OF
WILHELMS
HAVEN
ENERGY
HUB**

Helgoland

Brunsbüttel/Heide

Kavernenanlage
Etzel

Stade

Hamburg

Niederlande

 Ruhrgebiet

 Hannover

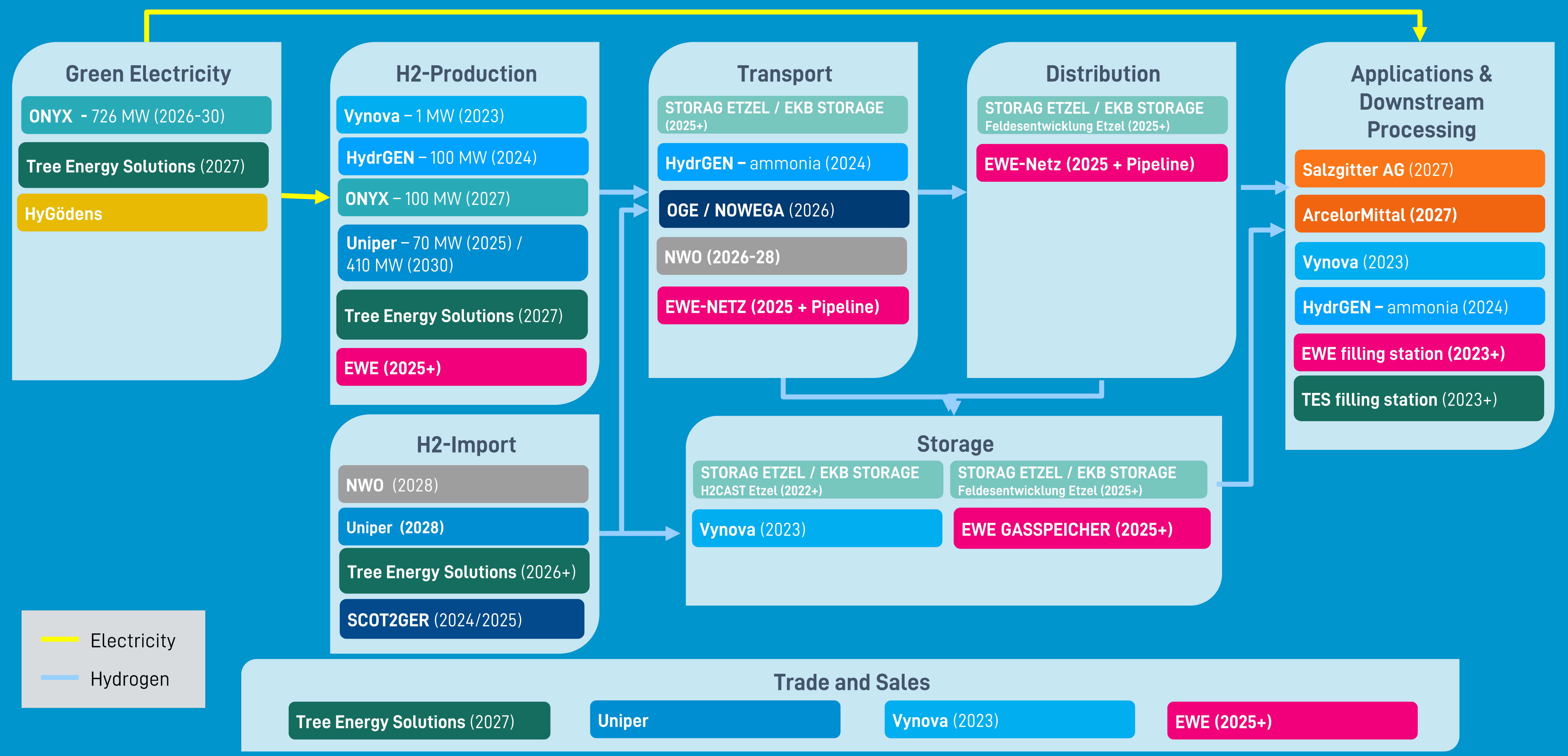
 Wolfsburg
 Salzgitter

INDUSTRY NETWORK
PARTNERS.

 ArcelorMittal	 TES	 EKB STORAGE	 Niedersachsen Ports	 Friesen Elektra POWERED BY GÖDENS SINCE 1999
 EWE	 gasum	 nowega	 Nord-West Oelleitung	 HyGödens Green Hydrogen
 OGE	 ONYX POWER	 PORT OF WILHELMS HAVEN ENERGY HUB		
 RHENUS LOGISTICS	 SALZGITTERAG Stahl und Technologie			
 STORAG ETZEL	 uni per	 VYNOVA	 WIRTSCHAFT WILHELMS HAVEN	

ENERGY HUB – PORT OF WILHELMSHAVEN

INDUSTRIAL HYDROGEN VALUE CHAIN.



SCOTLAND & WILHELMSHAVEN. FIRST JOINT PROJECTS

FLOTTA HYDROGEN HUB

- Creating green H2 from offshore wind energy
- Domestic uses
- Hydrogen export hub

→ Importing green ammonia to Wilhelmshaven (Uniper)

SCOT2GER

- Exporting green H2 to Germany
- Transport via standard container: no need to build new infrastructure
→ JadeWeser Port Container Terminal

First hydrogen delivery in late 2024/early 2025

WILHELMSHAVEN OFFERS...



- ... natural tide less harbor with a water-depth of up to 18 meters.
- ... available undeveloped industrial sides.
- ... is less than 30 km away from H2 pipelines.
- ... global logistics hub and climate-neutral energy sources.
- ... largest storage capacities for hydrogen.
- ... conversing existing infrastructure enables fast realisation of H2 projects.
- ... local demand for hydrogen by the chemical and steel industry.
- ... knowledge, experience and partnerships!