



Niedersachsen – where the wind blows!

Wind power is making the strongest contribution in the transition to renewable energy provision. With an existing wind power capacity of above 9,000 MW on land, plus around 2,000 MW that comes ashore in Niedersachsen from the North Sea, we are the leading German state for wind power; Niedersachsen's wind turbines can meet the electricity needs of almost six million households.

Niedersachsen is the principal centre for the development and manufacture of powerful wind power installations, and home to world leaders in wind turbine production such as Enercon and GE Wind Energy; the latest addition is the Siemens plant in Cuxhaven. Sites for expansion on land and offshore offer attractive business prospects:

- By 2050, installed onshore wind power capacity is projected to rise to 20,000 MW. The Niedersachsen government has already set the necessary framework conditions for planning and building wind farms on land.
- The expansion target for offshore wind power is 15,000 MW by the year 2030. With its German Offshore Industry Centre Cuxhaven, Niedersachsen offers ideal conditions for building wind turbines right on the coast with direct loading to seagoing ships. High-capacity manufacturing, installation and service harbours along the North Sea coast and on the Rivers Elbe, Weser and Ems complete the range of facilities.

Seaports of Niedersachsen · www.seaports-offshore.de
 Niedersachsen Ports · www.nports.de
 WAB wind power agency · www.wab.net
 ForWind centre for wind power research · www.forwind.de
 Offshore wind power foundation · www.offshore-stiftung.de

Natural, efficient: Biomass

Niedersachsen leads Germany on agriculture, and makes the most of it. One example is the systematic use of biogas for energy production; more than 2,800 Niedersachsen plants are already delivering almost 1,400 MW for electricity and heating from Biomass, using both specially-grown crops and organic waste.

Niedersachsen 3N competence network for renewable resources · www.3-n.info

Energy from Underground

Niedersachsen is rich in oil and natural gas resources, producing 34 % of the oil and 97 % of all the natural gas extracted in Germany. Business expertise in oil and gas exploration is mainly concentrated around Celle, in Niedersachsen's 'drilling valley', where international companies are located. Deep drilling technology is now also being applied to geothermal exploration for sustainable energy provision.

With around 50 % of the country's natural gas storage capacity, Niedersachsen's underground reservoirs are the mainstay of Germany's natural gas supply system and thus make a crucial contribution to ensuring supply security.

Geoenergy Celle · www.geoenergy-celle.de
 Geozentrum Hannover · www.geozentrum-hannover.de

Energy for the Future

Our networks and research facilities are tackling the challenges of future energy provision, working on solutions that draw almost entirely on renewable sources for reliable, efficient and also economical energy supply. In the 'enera' project this is being tested for real through a distribution network in northwest Niedersachsen. This pilot project is founded on a threefold approach: intelligent energy management, energy system services and storage technologies.

Enera – intelligent energy systems showcase · www.energie-vernetzen.de
 Niedersachsen energy research centre, EFZN · www.efzn.de
 EWE research centre, NEXT ENERGY · www.next-energy.de
 Institute for solar energy research, ISFH · www.isfh.de
 DLR German Aerospace Centre · www.dlr.de
 Fraunhofer IWES · www.iwes.fraunhofer.de
 Oldenburg energy cluster, OLEC e.V. · www.energiecluster.de

Contact

We're the first call and contact on all aspects of entering the market and establishing your company in Niedersachsen, advising and supporting you with:

- information
- location search
- investment realisation
- networking with public sector agencies, companies, research and technology facilities.

Contact:

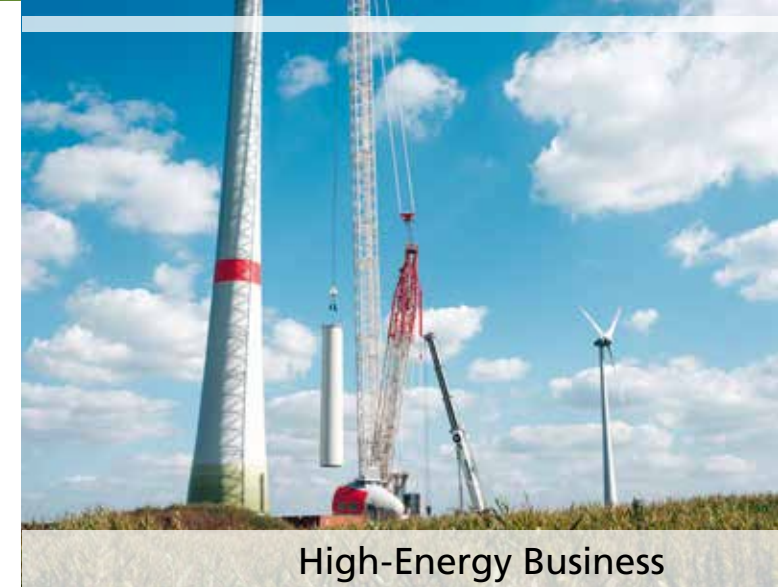
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 Wirtschaftsverband Erdöl u. Erdgasgewinnung e.V., fotolia.com



High-Energy Business
 Land of Energy

Invest in



Niedersachsen

Welcome to Niedersachsen!



Niedersachsen is the land of energy pioneers. Oil and natural gas exploration has been carried out here in Germany's second-largest federal state for over 150 years, and earlier still the people of Niedersachsen were using the wind to power their agriculture and craft trades.

Many years of experience, gathering knowledge and practical expertise, have made Niedersachsen the leading energy state, delivering crucial contributions to Germany's sustainable energy transition. Around 4,800 companies in Niedersachsen employing over 50,000 people are breaking new ground on renewable energy generation, and we already meet over 60% of our electrical energy consumption from renewable sources.

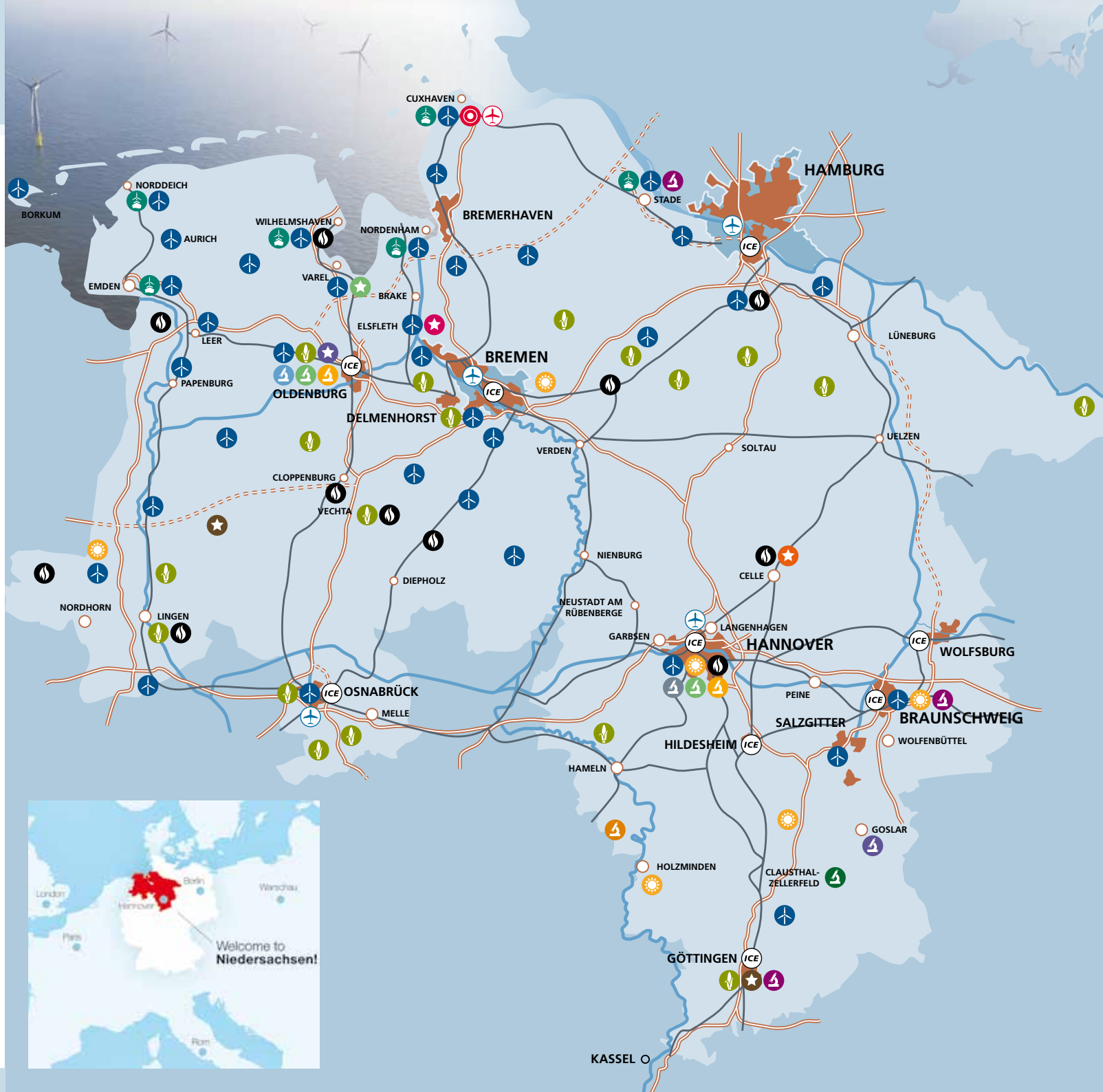
Our businesses and research facilities are working on the key issues of tomorrow's environmentally friendly energy provision: intelligent energy systems, storage technologies, energy efficiency and reducing the costs of regenerative energy production.

Take advantage of the multifarious potential of Niedersachsen's energy sector – the business location team at our Ministry for Economics, Labour and Transport is ready to advise and support you in planning and realising your projects and enterprises.

Yours,

Olaf Lies

Minister for Economics,
Labour and Transport of Niedersachsen



Legend

Companies

- Wind power
- Bioenergy
- Solar power
- Geothermal, Oil/Gas including under-ground storage

Research

- Geozentrum Hannover
- DLR German Aerospace Centre
- Niedersachsen energy research centre, EFZN
- EWE research centre, NEXT ENERGY
- Clausthal Technical University
- Forwind centre for wind power research
- Institute for solar energy research
- Fraunhofer Institute for Wind Energy and Energy Systems

Infrastructure

- German Offshore Industry Centre Cuxhaven
- Offshore port
- ICE railway station
- Airport
- Sea-Airport Cuxhaven/Nordholz
- Railway
- Motorway
- Planned motorway/European highway

Networks

- Oldenburg energy cluster, OLEC e.V.
- Niedersachsen 3N competence network for renewable resources
- Geoenergy Celle
- Offshore wind power foundation
- North German maritime cluster