



BRANDENBURG - SHOWCASE OF THE ENERGY TRANSITION

> Quick facts



We're ensuring the source of tomorrow's energy

Brandenburg leads the way in Germany when it comes to generating electricity from renewable energies.

BIOENERGY

Following wind energy and photovoltaics, electricity generation from biomass plants is number three in Brandenburg with around **500 megawatts (MW)**.

over **730** biomass plants

HEAT GENERATION

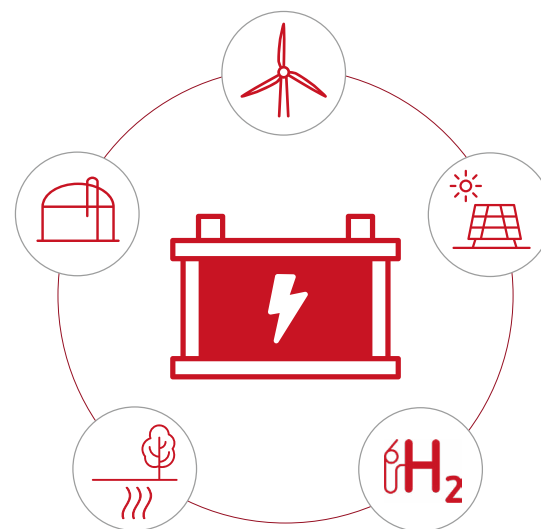
With over 32,800 heat pumps, over 10,700 biomass plants, over 31,100 thermal solar plants, and 2 shallow geothermal plants Brandenburg has a total thermal output of approx. **1,250 megawatts (MW)** from renewable energies.

over **74,700** plants

WIND ENERGY

Brandenburg is one of Germany's three strongest states in wind energy with an electrical output of around **8,000 megawatts (MW)**.

about **4,000** wind turbines



PHOTOVOLTAICS

Brandenburg has more than 57,100 PV plants with around **4,800 megawatts (MW)** electrical output.

over **57,100** PV plants

HYDROGEN

It's the energy carrier of the future – Brandenburg's **goal until 2040** is the production of green hydrogen through renewable energies and electrolysis of

annually **3.75** terawatt-hours (TWh)



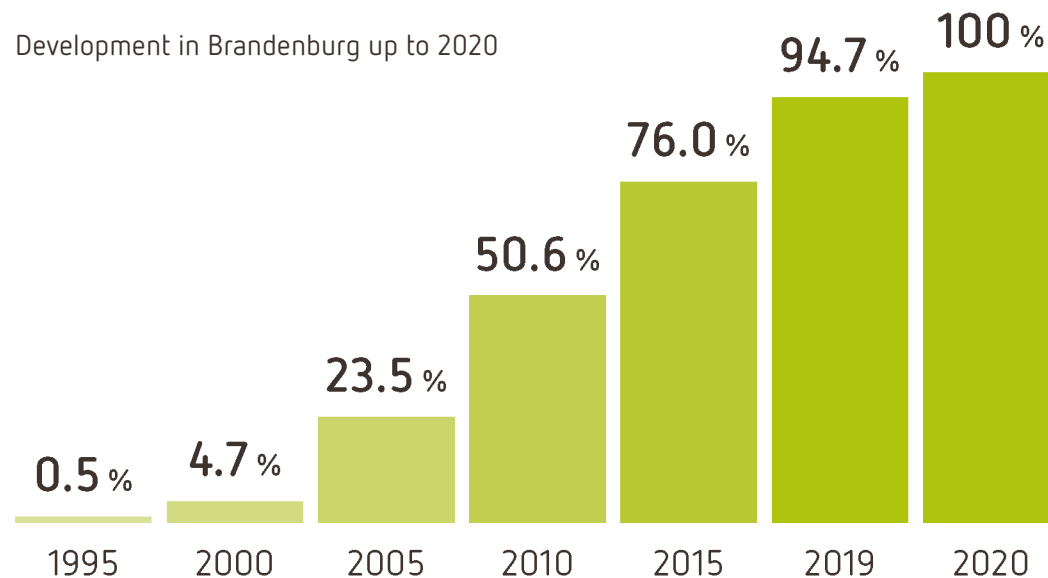
The region of renewable energy

Brandenburg is Germany's front runner when it comes to renewable energies. The state has the highest installed per-capita output in the whole of Germany. In purely mathematical terms, Brandenburg already generates 100 percent of its gross electricity consumption from renewable energy.

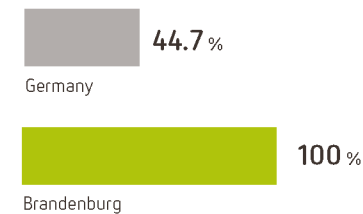
But Brandenburg, with its ambitious Energy Strategy 2040, wants more. Because in the future, even more energy from renewable sources will be needed to make the necessary measures of sector coupling, such as the electrification of mobility, the production of green hydrogen and the decarbonization of the building sector a reality.

Share of renewable energies in gross electricity consumption

Development in Brandenburg up to 2020



Compare Germany / Brandenburg 2020:



20,100_{GW}

20,100 GW covers the energy requirements of 5.36 million households in Brandenburg (2020)

Sources: Monitoring Report on Brandenburg's Energy Strategy



We're providing the solutions for tomorrow's energy

So that power from renewable energy sources is available at any time in sufficient amount and in the right form, Brandenburg supports the development of new technologies and products that facilitate just that.



ENERGY EFFICIENCY

Lighting and HVAC technology or innovative building engineering; diverse technological approaches towards optimising energy efficiency are being tested and used in Brandenburg.



NEW POWER PLANT TECHNOLOGIES

Flexible power plants are becoming a crucial element of the energy transition. Brandenburg offers great economic prospects thanks to its development of innovative power plant technologies, ensuring that various fuel types are used effectively.



HYDROGEN TECHNOLOGY

H₂ is the energy carrier of the future: Producing hydrogen out of electricity generated from renewable energies presents an excellent and innovative way of storing energy.



POWER-TO-X

Green hydrogen for power-to-gas, power-to-heat or power-to-liquid: Technologies for converting electricity from renewable energies into heat, fuel or propulsion are being developed in Brandenburg.



INTELLIGENT POWER GRIDS

A challenge presented by the energy transition is the specific networking of electricity producers, storage and consumers. The development of intelligent power grids is being intensely worked on and researched in Brandenburg.



STORAGE TECHNOLOGIES

Large and small-scale storage: With battery storage for e-mobility or industrial pressure containers for production lines – alternative technologies for the optimal storage of electricity from renewable energies are being developed.



Sieze the opportunities of the energy transition

→ GREEN PRODUCTION IN BRANDENBURG TRANSITION

Brandenburg's renewable energies give you the opportunity to make your production climate-friendly.

→ PRODUCTS FOR CLIMATE ACTION AND THE ENERGY TRANSITION

Full speed ahead! Brandenburg is a very popular location for producing energy technology equipment and components.

More information at → [Brandenburg-Invest.com/Sustainable-Industry](https://www.brandenburg-invest.com/Sustainable-Industry)

→ FOR YOUR SUCCESS IN BRANDENBURG

YOUR CONTACT

For questions about using renewable energies

Bert Tschirner

Head of Department
Energy Agency
T +49 331 – 730 61-410

YOUR CONTACT

For questions about establishing business in Brandenburg

Philipp Ruta

Dep. Head of Department
Department of Industry
Project Manager Clean Technologies & Energy Engineering
T +49 331 – 730 61-213

Wirtschaftsförderung

Land Brandenburg GmbH
Economic Development Agency
Brandenburg (WFBB)
Babelsberger Str. 21
14473 Potsdam, Germany
info@wfbb.de

