

RWE

RWE @ Floating Wind Solutions 2022

Chris Willow

Head of Floating Wind Development

RWE @ Floating Wind Solutions 2022

Ambitious



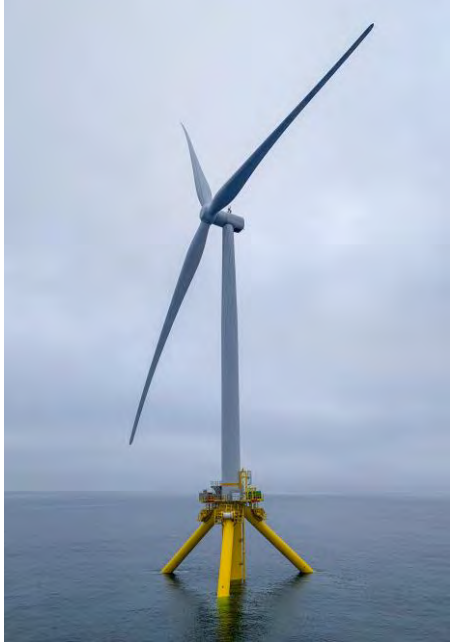
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Experienced



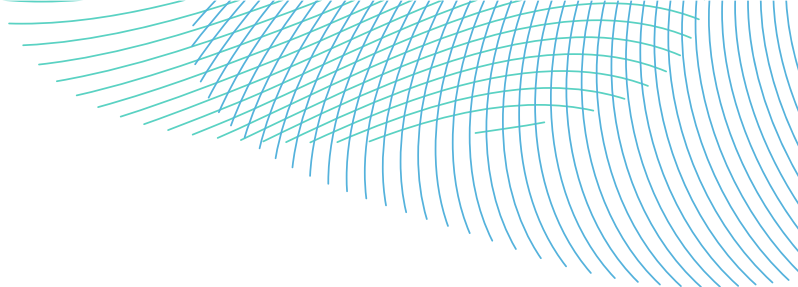
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Pioneering #1



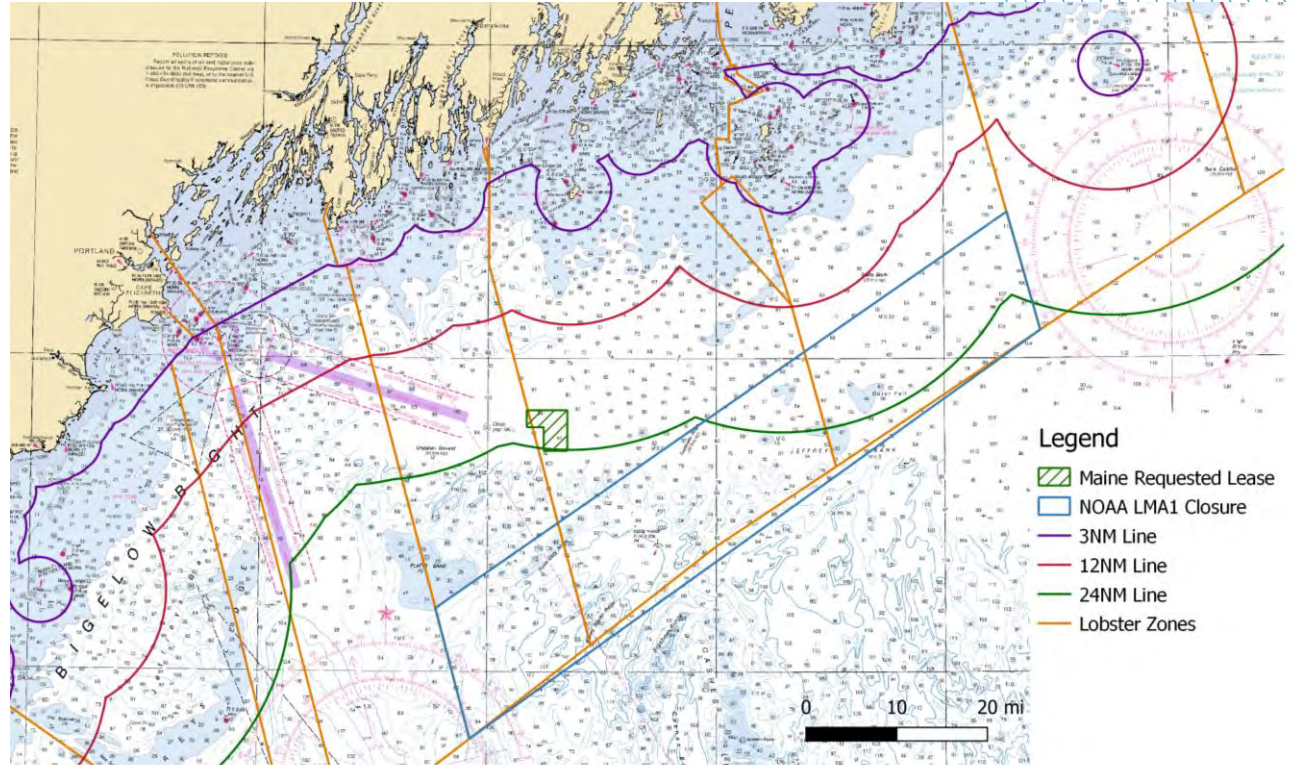
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Pioneering #2



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Pioneering #3



RWE @ Floating Wind Solutions 2022

A responsible partner for the supply chain



A young child with blonde hair, wearing a bright yellow raincoat and pink shorts, is walking barefoot on a sandy beach. The child is looking down and has their right hand raised. In the background, several wind turbines are visible against a blue sky with light clouds. The overall scene is bright and sunny.

RWE

Our energy for a sustainable life

RWE corporate presentation



For more than 120 years, RWE has been passionate about generating electricity. Now, RWE is shaping the new energy era.

Lignite is the key to affordable electricity.
1914



Powering the economic miracle.
1950s



Security of supply thanks to nuclear power.
1970s



Lignite-fired power stations with optimised plant technology help reduce CO₂.
2002



Affordable

Reliable

Clean

1898
The future starts today, more than 120 years ago.



1928
RWE builds the first cross-regional high-voltage transmission line.



1955
Ludwig Erhard opens the Weisweiler lignite-fired power station.



1976
RWE researches, develops and tests renewables.



2016
Foundation and stock market launch of innogy SE.

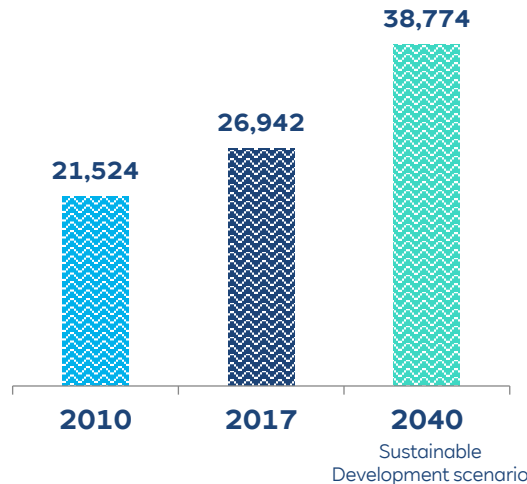
2019
The transaction with E.ON.

2019 - today
RWE is one of the world's leading generators of renewable electricity.

The global challenge of our time: Meeting increasing power demand and protecting the climate.

Global increase in electricity demand

Electricity generation in TWh¹



Key industry trends



Electrifying
mobility



Electrifying
industry

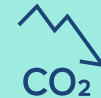


Electrifying
heat supply

Key climate protection targets



The Paris Agreement²
To limit global warming to well **below 2°C**



EU-27:
55% reduction in
greenhouse gas
emissions between
1990 and 2030³

¹ International Energy Agency, World Energy Outlook 2020. | ² The Paris Agreement on the United Nations Framework Convention on Climate Change (UNFCCC).

³ Nationally Determined Contribution by EU 2020

“Financially, RWE is in an excellent position, with a strong capital base and low debt levels.

We are investing billions to expand our portfolio – including wind and solar power stations as well as battery storage – and thus accelerate our transformation. Hardly any other company is changing as radically and rapidly as RWE.”

Dr. Michael Müller
CFO RWE AG



“RWE is one of the most attractive employers. We want to recruit the brightest minds and foster our own talent.
#TeamRWE is characterised by diversity and teamwork that is founded in trust. Our modern working environment enables us to communicate in person as well as digitally and is a strong foundation for our shared success.”

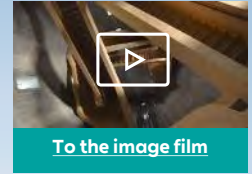
Zvezdana Seeger
CHO RWE AG

“The energy transition is well underway at RWE! Green power, storage systems, flexible generation, hydrogen and customer solutions: when it comes to advancing our core business, we consider the long-term prospects, making decarbonisation and sustainability key components of our corporate strategy – with a clear objective: we aim to be climate-neutral by 2040.”

Dr. Markus Krebber
CEO RWE AG



RWE's purpose



Our energy for a sustainable life

A clear objective: We aim to be climate-neutral by 2040.

On our way to reaching this objective, we have set ambitious targets for any activities that cause greenhouse gas emissions. And the renowned Science Based Targets initiative agrees: our emission reduction targets for 2030 are in line with the Paris Agreement.

- In **2020**, we decommissioned our last hard coal-fired power plant in **the UK**.
- We are currently in the process of converting our hard coal-fired power stations in the **Netherlands to biomass**, while in Germany, we shut down the last two hard coal units at the end of 2020.
- We will phase out lignite-based power generation **by 2038 at the latest**, as prescribed by law, and we shut down the first stations as early as the end of December 2020.
- To achieve the objectives related to Scope 3 emissions, we will increasingly consider sustainability standards in our procurement process.
- Whether the solution is green gas, highly efficient batteries or something completely different – at the end of the day, only one thing counts: **ensuring that RWE is climate-neutral by 2040.**



Business model fully aligned with our strategic focus on the energy transition

Core

Offshore Wind



- Global offshore activities

~1,100 employees

Onshore Wind/Solar



- Onshore, solar and storage activities in
 - Europe & APAC
 - Americas

~2,400 employees

Hydro/Biomass/Gas



- Hydro, biomass and gas power plants in Germany, UK, NL
- Hydrogen projects
- Kelag stake

~2,700 employees

Supply & Trading



- Trading/origination
- Gas & LNG
- Commodity solutions
- Gas storage

~1,800 employees

Coal/Nuclear

- German lignite and nuclear operations
- Hard coal plants
- 30% share in Dutch nuclear operator EPZ

~11,000 employees

~29 GW

Installed capacity¹

250 g/kWh

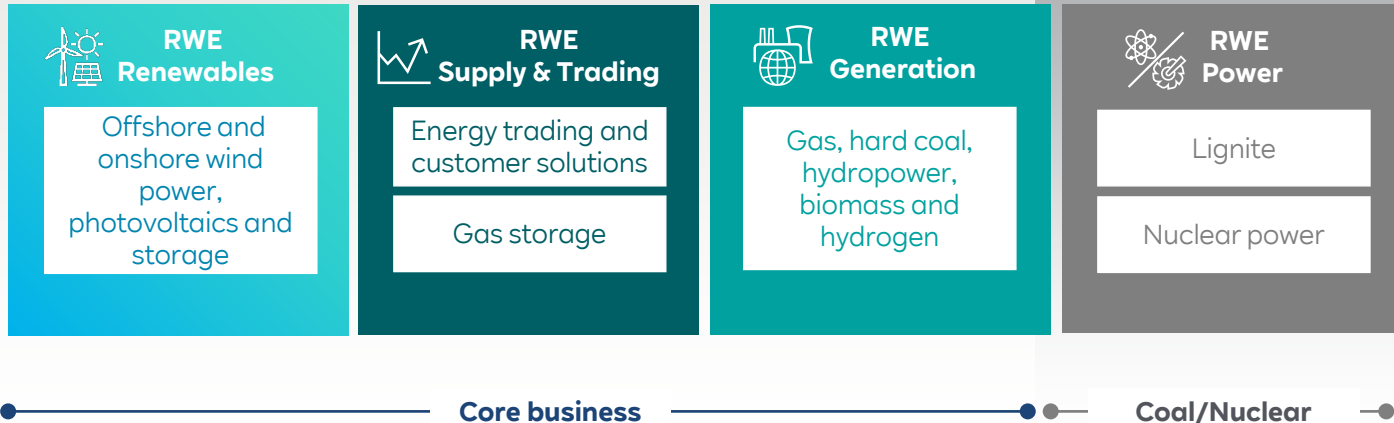
Carbon factor²

¹ Pro rata installed capacity of core business. ² Calculated for generation portfolio of core business. | Note: Figures for FY 2020.

A driving force behind the energy transition – with a powerful organisation.

RWE

Operating business



Our core business is leading the way to a green energy world



Offshore wind

Strongest growth in Europe, significant potential in global markets



Onshore wind/solar

Biden Plan and European Green Deal accelerate growth momentum in US and Europe



Battery storage & flexible generation

RWE's European core markets require new, low-carbon flexible capacity



Hydrogen

Hydrogen is quickly gaining traction with Europe at the forefront



Energy trading & customer solutions

Decarbonisation of industry drives demand for tailored solutions

An offshore wind farm with numerous wind turbines on a dark blue sea under a clear sky. A series of green lines originate from the turbines and curve across the sky, symbolizing energy flow.

**RWE is one of the world's leading
renewable energy companies.**

Leading the way to a green energy world



Society

We are shaping the energy transition and will be **net zero by 2040**



Customers

We supply **green energy solutions** and support the **decarbonisation** of industry



Employees

We offer a highly attractive & **international** working environment with significant growth in **green technologies**.

We also stand by our employees who are impacted by the energy transition.

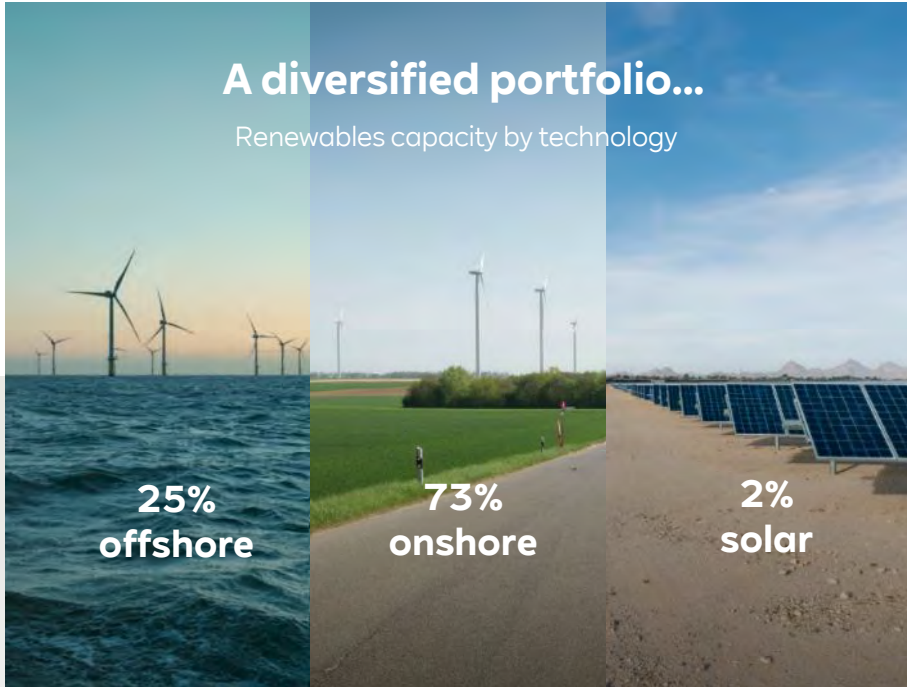


Shareholders

We create shareholder value by delivering profitable green growth

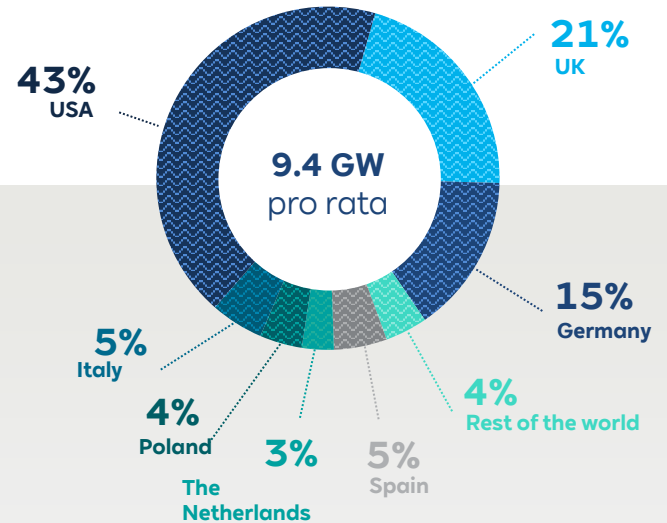
Our energy for a sustainable life.

A strong starting position on the renewables market. Ideal conditions for a green, global and valuable future.



... and a global presence.

Renewables capacity by country



In 2021, more than 20 onshore, solar and storage projects with ~2GW worldwide contributed to RWE's growth.



~1.5GW



~0.5GW



249MW

<p>Cassadaga</p> <p>A. 126 B. 100% C. 126</p>	<p>Hickory Park</p> <p>A. 196 B. 100% C. 196</p>	<p>Hickory Park</p> <p>A. 40 B. 100% C. 40</p>	<p>Jüchen</p> <p>A. 27 B. 51% C. 14</p>	<p>Dolice</p> <p>A. 48 B. 100% C. 48</p>	<p>Zukowice</p> <p>A. 33 B. 100% C. 33</p>	<p>Nowy Staw 3</p> <p>A. 12 B. 100% C. 12</p>	<p>Alcamo II</p> <p>A. 14 B. 100% C. 14</p>	<p>Limondale</p> <p>A. 249 B. 100% C. 249</p>
<p>Panther Creek III repowering</p> <p>A. 16 B. 100% C. 16</p>	<p>Raymond West¹</p> <p>A. 240 B. 100% C. 240</p>	<p>Scioto Ridge</p> <p>A. 250 B. 100% C. 250</p>	<p>Les Pierrots</p> <p>A. 26 B. 100% C. 26</p>	<p>Oostpolder</p> <p>A. 36 B. 100% C. 36</p>	<p>Kerkrade</p> <p>A. 10 B. 100% C. 10</p>	<p>Groningen Sea Port</p> <p>A. 9 B. 100% C. 9</p>	<p>Oostpolderdijk</p> <p>A. 8 B. 100% C. 8</p>	
<p>Blackjack Creek</p> <p>A. 240 B. 100% C. 240</p>	<p>El Algodon Alto</p> <p>A. 200 B. 100% C. 200</p>		<p>Eekerpolder</p> <p>A. 63 B. 100% C. 63</p>	<p>AmerCentrale</p> <p>A. 2 B. 100% C. 2</p>	<p>Höstkullen</p> <p>A. 307 B. 20% C. 61</p>	<p>Björn-landshöjden</p> <p>A. 168 B. 20% C. 34</p>	<p>Stephenstown</p> <p>A. 9 B. 100% C. 9</p>	

Take a look at our assets around the world

¹ Raymond West: After construction RWE share 25% due to already announced farm-downs. | Note: As of March 2021. | A. Gross capacity (MW) | B. RWE share | C. RWE capacity, pro rata MW.

Leading the way to a green energy world, we are driving forward the climate-neutral transformation of industry and society.

50

bn euro gross will be invested until 2030 in powerful and green generation capacity.

50

Gigawatts of green net capacity by 2030.



Example of a solar power station:

Hickory Park solar power station is our largest solar storage project in the USA.



Example of a wind park:

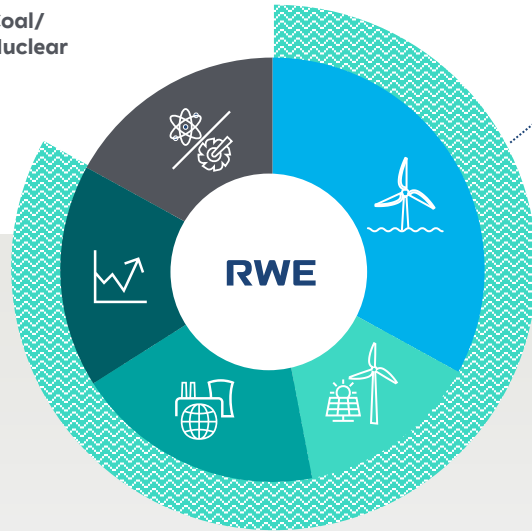
Decision to invest in Sofia off the coast of the UK: our largest offshore project worldwide, with a capacity of 1.4GW.



Driving RWE's results: The new strategic alignment with a focus on 'green' growth.

Adjusted EBITDA

Coal/
Nuclear



Core business

Offshore Wind

Onshore Wind/Solar

Hydro/Biomass/Gas

Supply & Trading



Our core business
contributes more than

80%

to RWE's results.

An overview of RWE locations

Global activities – with a course set for growth

RWE RENEWABLES

- Onshore
- Offshore
- Solar
- Battery storage

RWE GENERATION

- Gas
- Hydro
- Biomass
- Hard coal
- Hydrogen

RWE POWER

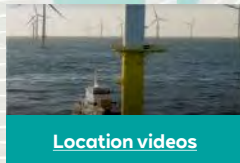
- Lignite
- Nuclear

RWE SUPPLY & TRADING

- Electricity
- Gas storage

RWE LOCATIONS

- RWE AG headquarters
- Offices (City)
- Market presence

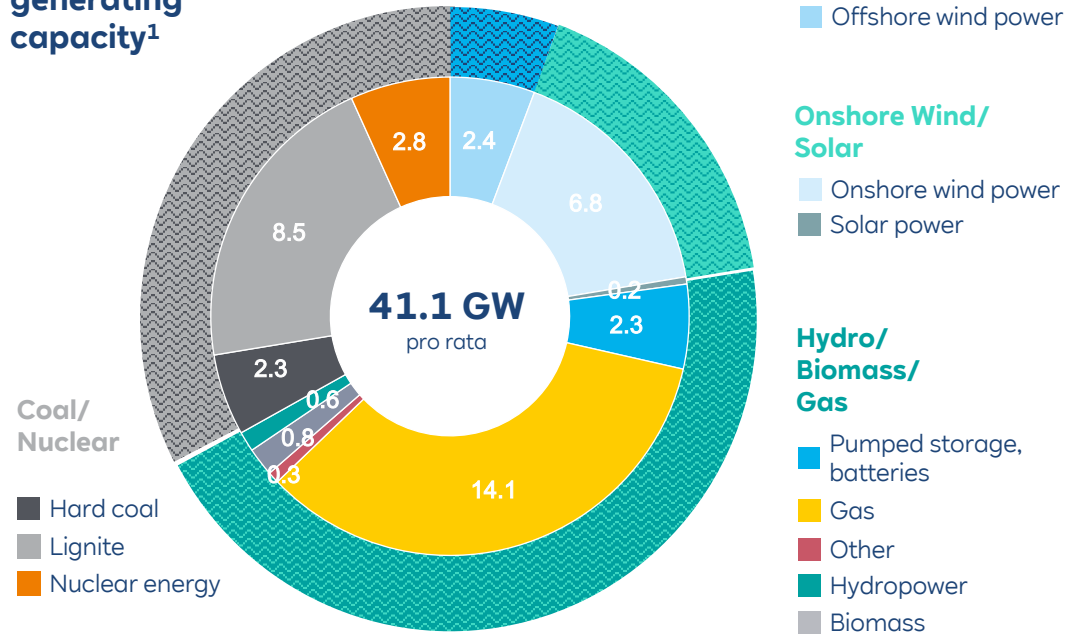


Schematic representation; last updated May 2021

We are ideally positioned for the new energy world.

- **Flexible capacity** comprise around 18GW of gas, hydropower and biomass.
- Flexible power plant fleet as the secure backbone of the energy supply on our European core markets.
- With our fleet of gas-fired power stations and LNG (liquid natural gas) trades, RWE ranks as the **No. 2 in Europe** in terms of capacity.

Total electricity generating capacity¹



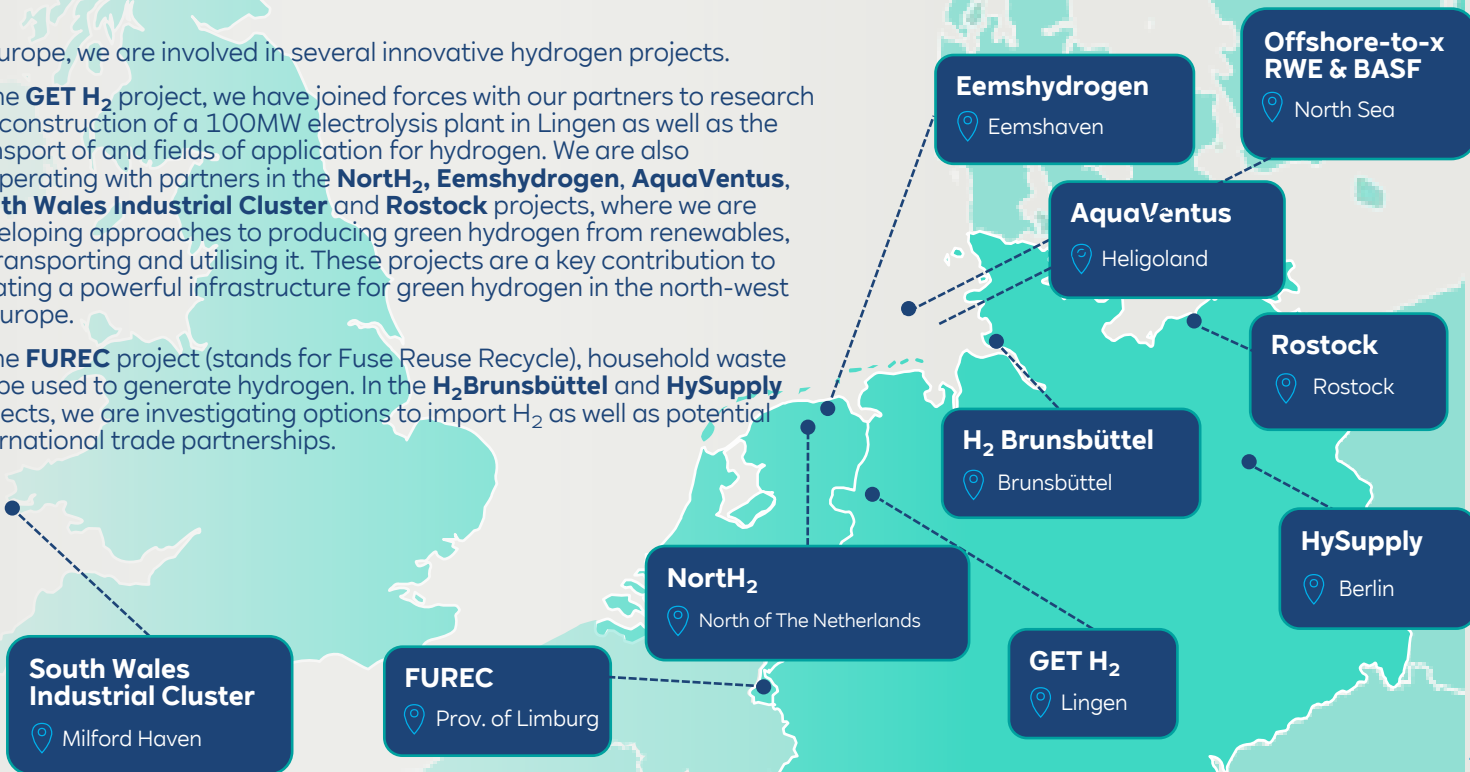
¹ 2020 annual figures

Hydrogen: A ray of hope for the future that plays a key role in innovative projects along the entire value chain.

In Europe, we are involved in several innovative hydrogen projects.

In the **GET H₂** project, we have joined forces with our partners to research the construction of a 100MW electrolysis plant in Lingen as well as the transport of and fields of application for hydrogen. We are also cooperating with partners in the **NorthH₂**, **Eemshydrogen**, **AquaVentus**, **South Wales Industrial Cluster** and **Rostock** projects, where we are developing approaches to producing green hydrogen from renewables, to transporting and utilising it. These projects are a key contribution to creating a powerful infrastructure for green hydrogen in the north-west of Europe.

In the **PUREC** project (stands for Fuse Reuse Recycle), household waste will be used to generate hydrogen. In the **H₂ Brunsbüttel** and **HySupply** projects, we are investigating options to import H₂ as well as potential international trade partnerships.



H₂

For more information, visit our [Hydrogen theme page](#)

Driving the transition: How innovative solutions help us meet tomorrow's challenges today.



Floating offshore wind power

In cooperation with renowned partners, we are entering completely new regions with wind power. This technology is gaining importance, especially in countries with coasts that drop away steeply, such as Japan and the USA.

Geothermal energy

An EU project headed by the North Rhine-Westphalian Geological Services Office. RWE has contributed the Weisweiler power station as a deep geothermal energy resource to transform the district heat network in the long term.



Battery storage

RWE operates battery storage systems in Europe and the USA and has experience in various lithium-ion battery technologies. The innovative areas also cover second-life electric-vehicle batteries and renewable energy as well as storage applications. RWE also has powerful, intra-company capacities to integrate systems and an in-house EMS.¹

EMS: Energy Management System

Thermal energy storage

RWE is converting a hard coal-fired power station into a thermal energy storage power station, in which steam generation using coal is replaced by heat supplied by a molten salt energy storage system, which is in turn generated using solar and wind power.



Power-to-X

In cooperation with industry and the realm of science, RWE aims to develop power-to-X technologies in the Rhenish mining area. In the course of this, green hydrogen and CO₂ generated in power stations and industrial plants will be used to produce synthetic fuels (known as e-fuels), such as methanol.

RWE: An attractive employer for around 19,000 employees. In Germany, Europe and the world.

→ Top employer

RWE holds top positions in many employer rankings. Our employees are shaping the energy transition in a global company.

→ International

RWE is colourful. 80 nationalities work in more than 20 countries on five continents.

→ Diversity

Our Diversity Management team aims to constructively harness the potential of cultural and social diversity.

→ Local activities

At RWE, putting social responsibility into practice is a point of honour. We help thousands of volunteers dedicate their time and efforts to causes that are close to their hearts.

→ Flexible – and safe

At RWE, we put health and safety first, supporting a flexible working culture and ensuring an excellent work-life balance.

 [Careers at RWE](#)



Assuming responsibility across the board. We actively shape the future as part of society.



€50 billion

net gross will be invested until 2030 in the green energy world of tomorrow.



We support the Paris Agreement, the UNGC and the SDGs.

16.6%

Share of women in leadership positions (14.7% women in the company)

> 750



Apprentices at RWE



> 900

Patents and patent applications

94.1%



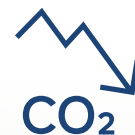
Sickness absence rate

3,100
animal species



and around 1,500 plant and fungus species in the Rhenish mining area

> 60%



Between 2012 and late 2020 we already reduced our CO₂ emissions by more than 60%.

By 2030, this number will increase to at least 75%.

And we will be climate-neutral by 2040.

Our energy for a sustainable life



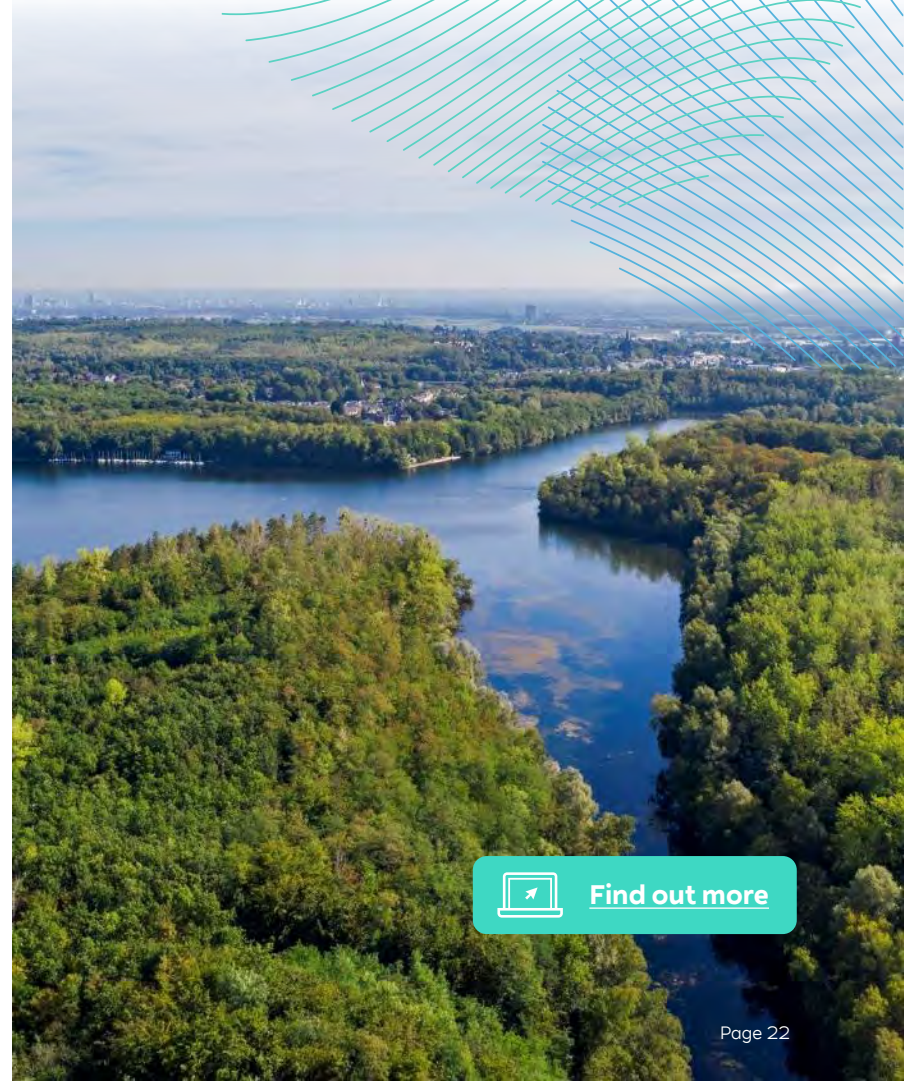
**Corporate
Responsibility
Report 2020**

As a responsible partner, we are true to our roots.

Today, we are an international Group, but our **roots are in the Rhine and Ruhr areas**. We have grown with these regions – and these regions have grown with us. This understanding has given rise to our commitment.

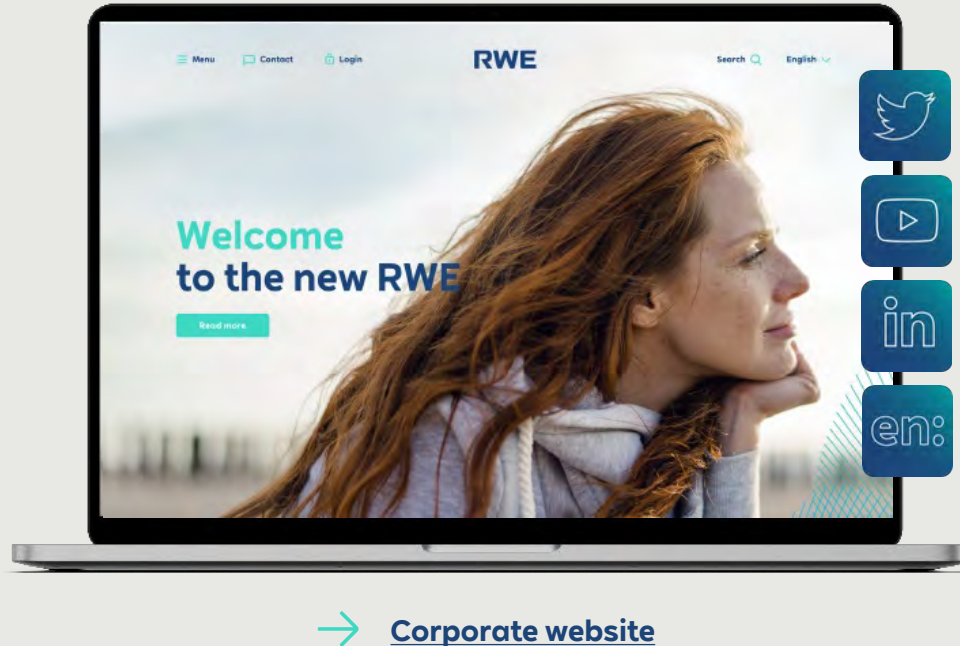
As a reliable partner, we assume responsibility in every region in which we generate energy, supporting numerous **social endeavours**, educational cooperative ventures and sponsoring local projects.

Over the next few decades, we will also be engaged in the high-quality ecological, agricultural and forestry **recultivation** of the opencast mines.



[Find out more](#)

Keep up to date. Follow us:





Leading the way to a green energy world

Markus Krebber
Chief Executive Officer, RWE AG

RWE

Thank you.



Please note:

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In particular, these factors include changes in general economic and competitor situations. Other factors may also impact the Group's future results and development, including, but not limited to: developments on the financial markets; fluctuations in exchange rates; and national and international legislative amendments, particularly with regard to tax-related regulations. Neither the Group nor any associated companies assume the obligation to update the statements made in this notification.