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.

**Affordable**
- **1898** The future starts today, more than 120 years ago.
- **1914** Lignite is the key to affordable electricity.

**Reliable**
- **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.

**Clean**
- **1950s** Lignite is the key to affordable electricity.
- **1955** Ludwig Erhard opens the Weisweiler lignite-fired power station.
- **1976** RWE researches, develops and tests renewables.
- **2002** Lignite-fired power stations with optimised plant technology help reduce CO₂.

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Electricity generation in TWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>21,524</td>
</tr>
<tr>
<td>2017</td>
<td>26,942</td>
</tr>
<tr>
<td>2040</td>
<td>38,774</td>
</tr>
</tbody>
</table>

### Key industry trends

- **Electrifying mobility**
- **Electrifying industry**
- **Electrifying heat supply**

### Key climate protection targets

- **The Paris Agreement**: To limit global warming to well below 2°C
- **EU-27**: 55% reduction in greenhouse gas emissions between 1990 and 2030

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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

“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 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
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.

<table>
<thead>
<tr>
<th>Scope 3 Indirect emissions from value chains</th>
<th>22.3*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope 2 Indirect emissions from purchased energy</td>
<td>0.6*</td>
</tr>
<tr>
<td>Scope 1 The Group’s direct emissions</td>
<td>89.8*</td>
</tr>
</tbody>
</table>

Our 2030 climate targets are:

-30% Absolute greenhouse gas emissions

-50% specifically: CO₂ per kWh of power

<table>
<thead>
<tr>
<th>Scopes 1 &amp; 2</th>
<th>2019</th>
<th>2030</th>
<th>2040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect emissions from value chains</td>
<td>22.3*</td>
<td>-50%</td>
<td>WELL BELOW 2°C</td>
</tr>
<tr>
<td>Indirect emissions from purchased energy</td>
<td>0.6*</td>
<td>-30%</td>
<td></td>
</tr>
<tr>
<td>The Group’s direct emissions</td>
<td>89.8*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*In million tonnes of CO₂ equivalents
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

**Installed capacity**

- ~29 GW

**Carbon factor**

- 250 g/kWh

1 Pro rata installed capacity of core business.
A driving force behind the energy transition – with a powerful organisation.

RWE Operating business

RWE Renewables
- Offshore and onshore wind power, photovoltaics and storage

RWE Supply & Trading
- Energy trading and customer solutions
- Gas storage

RWE Generation
- Gas, hard coal, hydropower, biomass and hydrogen

RWE Power
- Lignite
- Nuclear power

Core business
Coal/Nuclear
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
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.

A diversified portfolio...
Renewables capacity by technology

- 25% offshore
- 73% onshore
- 2% solar

... and a global presence.
Renewables capacity by country

- 9.4 GW pro rata
- 43% USA
- 21% UK
- 15% Germany
- 5% Italy
- 4% Poland
- 4% Spain
- 3% The Netherlands
- 5% Rest of the world

Note: 2020 annual figures
In 2021, more than 20 onshore, solar and storage projects with ~2GW worldwide contributed to RWE’s growth.

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.

50bn euro gross will be invested until 2030 in powerful and green generation capacity.

50Gigawatts 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.

Our core business contributes more than 80% to RWE’s results.
An overview of RWE locations

Global activities – with a course set for growth

Location videos

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.

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**Total electricity generating capacity**

- **Coal/Nuclear**
  - Hard coal: 14.1 GW
  - Lignite: 0.3 GW
  - Nuclear energy: 0.6 GW
- **Onshore Wind/Solar**
  - Onshore wind power: 2.8 GW
  - Solar power: 2.4 GW
- **Offshore Wind**
  - Offshore wind power: 6.8 GW
- **Hydro/Biomass/Gas**
  - Pumped storage, batteries: 0.2 GW
  - Gas: 2.3 GW
  - Other: 2.3 GW
  - Biomass: 8.5 GW

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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 FUREC 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.
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.

**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.

EMS: Energy Management System
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.
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.
- **16.6%**: Share of women in leadership positions (14.7% women in the company).
- **> 750**: Apprentices at RWE.
- **> 900**: Patents and patent applications.
- **3,100**: animal species and around 1,500 plant and fungus species in the Rhenish mining area.
- **> 60%**: CO₂ emissions reduced by more than 60% between 2012 and late 2020. By 2030, this number will increase to at least 75%. And we will be climate-neutral by 2040.

Our energy for a sustainable life
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.
Keep up to date.
Follow us:
Leading the way to a green energy world

Markus Krebber
Chief Executive Officer, RWE AG
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.