

## **Energising the future. For 125 years.** Now, RWE is shaping the new energy era.

Commissioning of RWE's first hydropower plant. 1905



Lianite is the key to Powering the economic affordable electricity. miracle. 1914 1950s



**RWF** commissions North Hovle in the UK - one of the world's first commercial offshore wind farms.





RWE Welcome to the renewable age.

1898 The future starts today - 125 years ago.



1928

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



1970s Security of supply thanks to nuclear power.



1976

RWE researches. develops and tests renewables.

2016

Stock market launch for retail and arid business and foundation as aeneration-only company.

#### 2019

Transaction with E.ON.

RWE becomes one of the world's leading generators of renewable electricity.

#### 2023

**RWF** Renewables Americas and Con Edison CEB combine to become RWE Clean Energy.



125 years RWE

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



<sup>&</sup>lt;sup>1</sup>International Energy Agency, World Energy Outlook 2020. | <sup>2</sup>The Paris Agreement on the United Nations Framework Convention on Climate Change (UNFCCC).

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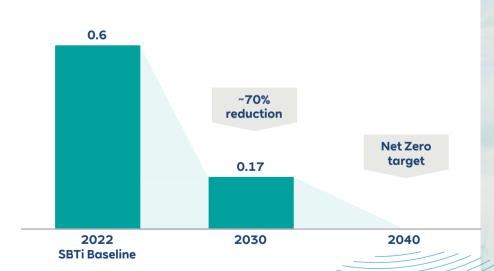
<sup>&</sup>lt;sup>3</sup> Nationally Determined Contribution by EU 2020. | <sup>4</sup> Announced by the Biden Administration





# We are committed to 1.5°C SBTi emission reduction pathway.

# Scope 1 & 2 emission targets $kg CO_2e$ per kWh



- We reduced our CO<sub>2</sub> emissions by 50% in the past decade
- We are committed to reducing our relative Scope 1 & 2 emissions by 70% by 2030
- We are committed to reducing our Scope
   3 emissions by >40% by 2030
- We will be Net Zero in 2040 across Scope 1, 2 and 3 emissions
- Targets are in line with the 1.5°C
   emission reduction pathway¹

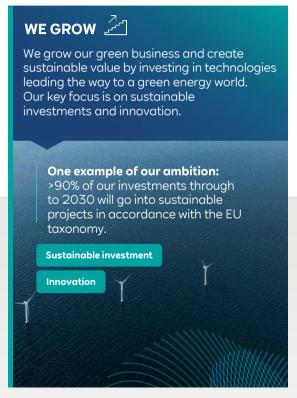
Our objective: climate-neutral by 2040.

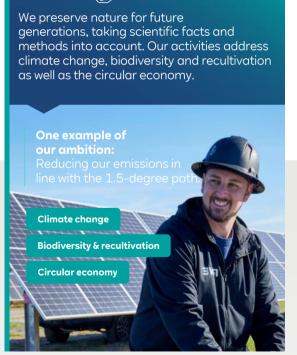
<sup>&</sup>lt;sup>1</sup> SBTi verification ongoing

## We grow, we act, we care:

## Nine priority topics constitute our RWE Sustainability Strategy

WE ACT







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

#### **Our business**

# Offshore activities



#### **Onshore** Wind/Solar

- Onshore, solar and
  - Europe &

#### **Flexible** Generation

- Hydro, biomass and gas-fired power plants in Germany. UK. NL
- Hydrogen projects

## Supply & Trading



- Trading/origination
- · Gas & I NG
- Commodity solutions
- Gas storage

## Coal & Nuclear

 German lignite operations (planned exit by 2030)

Phaseout technologies

German nuclear power plants (exit 04/2023, now dismantling)

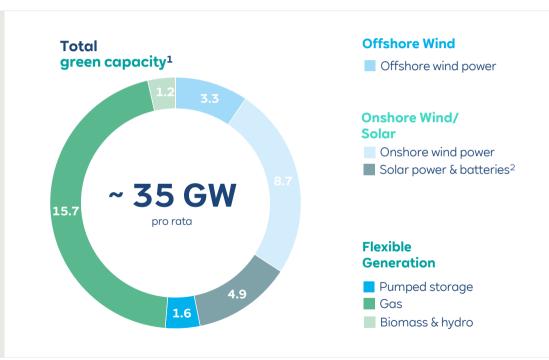


GW Installed green capacity<sup>1</sup>

<sup>&</sup>lt;sup>1</sup>Installed green capacity in pro-rata view | Note: figures as of December 2023.

# We are in an excellent position for the new energy world.

- Renewables capacity of around 16.9 GW in operation
- Flexible capacity comprises around 18.5 GW of gas, hydropower and biomass
- Flexible power plant fleet as the secure backbone of the energy supply on our European core markets



 $<sup>^1</sup>$  Figures as of December 2023. Note: Rounding differences may occur.  $|^2$  incl. storage power plants in the HBG segment.

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



Strongest growth in Europe, significant potential in global markets



Decarbonisation pledges accelerate growth momentum in US and Europe



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

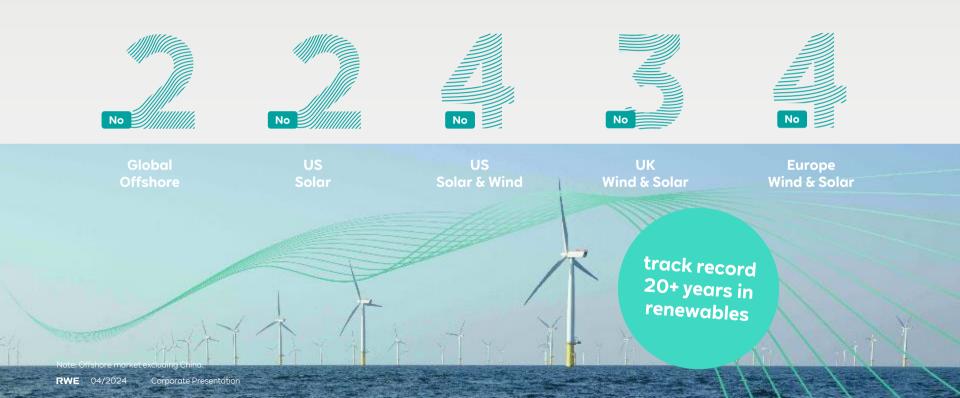


Hydrogen is quickly gaining traction with Europe at the forefront



**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 deliver the energy transition and will become **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

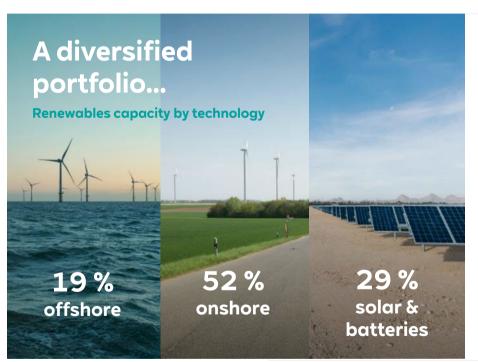


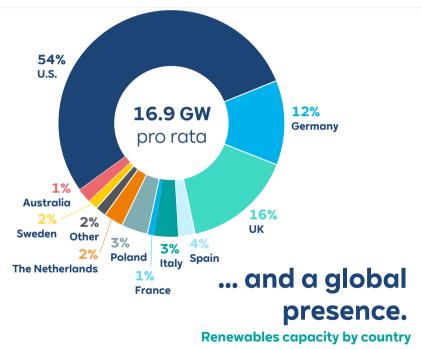
#### **Shareholders**

We create shareholder value by delivering profitable green growth

Our energy for a sustainable life.

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





Note: Figures as of December 2023.

# Our business is integrated along the entire project value chain to allow maximum value to be captured.



Proven greenfield and brownfield project development capability Global engineering backbone with strong LCOE\* optimisation and innovation focus Management and delivery of complex projects on time and within budget

Ability to ensure long-term income stability via a broad range of tailor-made offtake solutions Experienced selfperforming operator

\*Levelised Cost of Energy

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# Highlights of our renewable projects





#### Legend

- Global Leader projects
- Innovation projects
- Hybrid projects

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Transformation projects

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Innovative technology

coupling

# Our strategy has proven to be resilient in a challenging environment.

#### **Market trends**

**Our strategy** 

Scarcity of supply and higher volatility of energy markets

Integrated business model with flex and firm generation complementing renewables portfolio

Higher interest rate environment

Financial strength and long-duration liabilities

**Higher inflation** 

**Inflation-linked** revenue streams

Challenging supply chain

**Pro-active** procurement strategy



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



bn euro will be invested in green energy technologies in the years 2024 to 2030.



**Gigawatts of** green capacity by 2030.





Example of a solar power station: Hickory Park solar power station is our largest solar storage project in the U.S.



wind park: Sofia off the coast of the UK: our largest offshore project worldwide, with a capacity of 1.4GW.

Example of a

# We are accelerating our investments in clean technologies.

Green net cash investments 2021 - 2023<sup>1</sup>



2024 - 2030

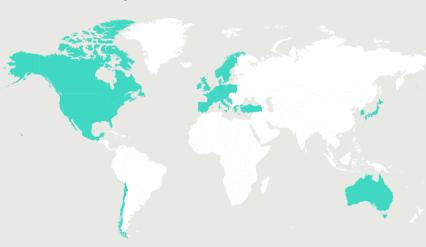


**EUR** bn



# **RWE 2030 -**A course set for sustainable growth.

Green asset portfolio in industrialised, low-risk countries



Green generation portfolio in line with the 1.5°C SBTi emission reduction pathway

**Green generation** >65 GW portfolio

>€9 bn Adj. EBITDA

€3 bn Adj. net income

## We are ideally positioned for the hydrogen economy with extensive expertise along the value chain.



For more information. visit our Hydrogen theme page

pro rata





Note: 10GW pro rata mostly early-stage development projects + 2GW RWE by 2030 Graphic represents selected hydrogen development projects

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# Our strong commercial platform Clearly organised in 3 core business areas

# Trading & Origination

- Proprietary trading activities in energy and energy-related commodities in all relevant markets across the globe
- Energy transition
   investments in commodity driven assets and companies
   where we can deliver value
   through our strong trading
   capability and deep
   understanding of energy
   commodity markets

# Commercial Asset Optimisation

- Optimisation of physical and contractual power assets – from long-term hedging to dispatch decisions
- Energy Transition
   Origination is responsible for the origination of hydrogen projects

# Energy Supply & Services

- Management and optimisation of the Group's Pan-European gas portfolio, gas supply, storage and transport contracts as well as the global LNG portfolio
- Commodity Solutions as fullyfledged service provider for industrial customers and aggregators





# 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, the U.S. and France.

#### Recyclable blades

Almost half of the Sofia wind turbines will be equipped with special recyclable rotor blades. Our supplier Siemens Gamesa is manufacturing them using a new type of resin with a chemical structure that allows for the different materials to be separated. This makes it possible to reuse the individual components once the rotor blade has reached the end of its lifetime.

#### **Multi-fuel conversion**

By heating sewage sludge, the phosphorus it contains is separated. The remaining gas mixture of hydrogen and carbon can be processed in further steps to produce basic chemicals or fuels.



#### Floating solar farms

offer potential for power generation and climate protection, and the technology hasn't been widely adopted yet. In contrast to groundmounted systems, the PV modules are mounted on floats, which are put out on bodies of still open water and on the sea.



#### **Battery storage**

RWE operates battery storage systems in Europe and the U.S. 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, intracompany capacities to integrate systems and an in-house EMS.<sup>1</sup>

EMS: Energy Management System

# RWE: An attractive employer for around 20,000 employees – in almost 30 countries.

#### $\rightarrow$ Our energy has impact

RWE is the source of energy for millions of people across the globe. Now we are making all of that energy green. This is a chance to play a key role on our journey and to help shape the energy transition in a global company.

#### Diversity

There should be no barrier to achievement, no matter one's culture, ethnicity or religion. We make sure everyone gets the same opportunities and benefits from a supportive working environment as well as a genuine, welcoming culture.

#### $\rightarrow$ Local activities

At RWE, putting social responsibility into practice is a point of honor. We help thousands of volunteers dedicate their time and effort to causes that are close to their hearts, including partnering with local schools and local communities.

### → Our people

We focus on career development. Our offers, ranging from well-established graduate programmes to generous performance-related rewards, benefit all employees, regardless of their level of experience. Our inclusive, collaborative, empowering environment is built on trust and respect. Skills are shared, experiences are exchanged and unique perspectives are welcomed.



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

Our energy has impact. Use yours for good.



Careers at RWE

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



## € 55 billion

will be invested in the green energy world between 2024 and 2030.



We support the Paris Agreement, the UN Global Compact and the UN SDGs. 23.1 %

of our Board members across our businesses are female.

3508



new hires at RWE in 2023.



1366

patents and patent applications in 2023

**45 TWh** 

Electricity from renewable sources.



€ 125 million

starting capital for the RWF Foundation.

**- 27 %** 



reduced CO2 emissions of our power plants from 2022 to 2023

Our energy for a sustainable life

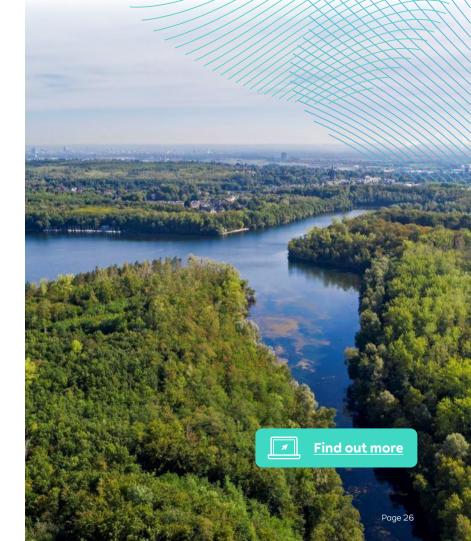


# As a responsible partner, we are true to our roots.

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.



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# Leading the way to a green energy world

# 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.