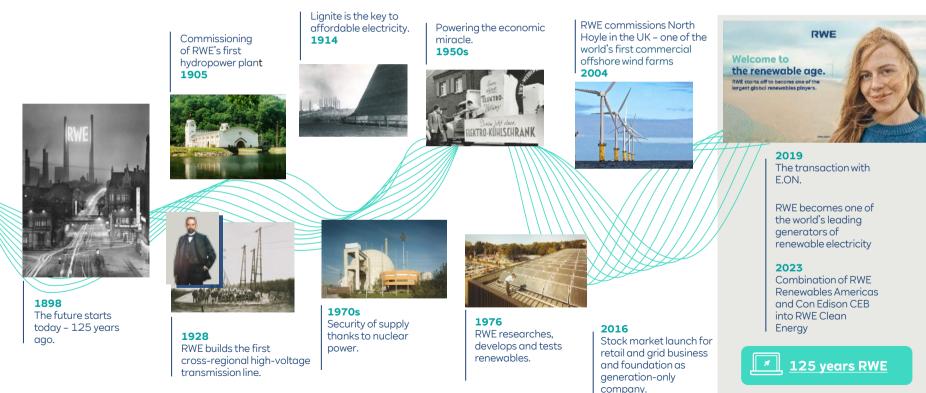


RWE Our energy for a sustainable life

OEUK Share Fair 2024

Patrick Rainey

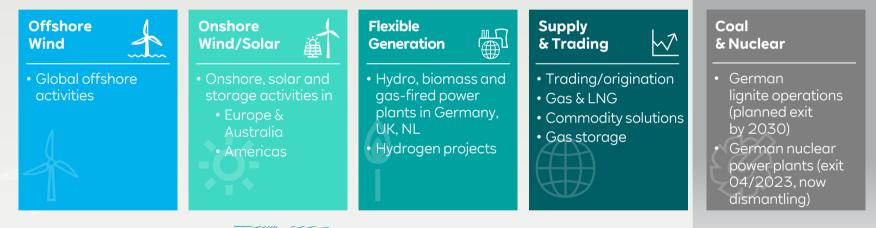
Energising the future. For 125 years. Now, RWE is shaping the new energy era.



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

Core business

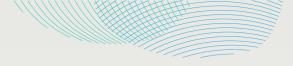
Non-core business





GW Installed green capacity¹

¹Installed green capacity in pro-rata view // Note: Figures as of 30 Sep 2023.



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



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

Origination & Development

Proven greenfield and brownfield project development capability

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Engineering & Procurement

£02:00

Global engineering backbone with strong LCOE* optimisation and innovation focus

Construction

Management and delivery of complex projects on time and within budget

Commercialisation

€

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

Operation

Experienced selfperforming operator

*Levelised Cost of Energy





A global leader in Offshore Wind

Offshore Video

OEUK Share Fair 2024

We are a leading Offshore player globally with vast experience in the business.



RWE

Evolution of RWE's Offshore Wind Farms

Project	Scroby Sands	Rhyl Flats	Amrumbank	Galloper	Arkona	Triton Knoll	Sofia
COD	2004	2010	2015	2018	2018	2022	2026 (expected)
Capacity	60 MW	90 MW	288 MW	353 MW	385 MW	857 MW	~1,400 MW
Turbines	30 × 2.0 MW	25 × 3.6 MW	80 × 3.6 MW	56 × 6.3 MW	60 × 6.4 MW	90 × 9.5 MW	100 × 14 MW
Water depth	1–11 m	10 - 15 m	19 - 24 m	27 - 36 m	21 - 27 m	15 - 24 m	20 - 35 m
Distance to shore	2 – 3 km	8 km	35 km	30 km	35 km	32 km	195 km

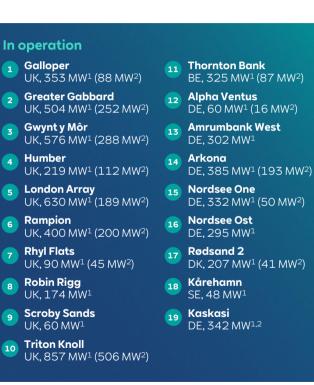


Our leading projects have always utilised state-of-the-art technology and have grown is scale setting market trends



Our offshore assets In operation





Page 10

¹ Total installed capacity |² Net pro-rata capacity as of 03/23 | World map not set to size and proportion

End of Life & Decommissioning

The offshore renewables sector is only just starting to have to manage end of life and decommissioning projects - we have a lot to learn!

Our Challenge

Our Timeline

- RWE has some of the oldest wind farms in the world.
- We expect full commercial scale decommissioning projects to commence offshore works around the turn of the decade [c.2030].
- Before the commencement of decommissioning works, life extension, repowering, and reuse works are/will be completed.
- There is significant experience and knowledge available from the offshore O&G sector to support offshore renewables as we enter into this project lifecycle phase.



Critical path is driven by consenting, permitting, approval process and supply chain availability.

Decommissioning methodology approval process can only commence fully when main contact for decommissioning works is in place and methodology is known.



Norfolk

Acquisition of **4.2 GW development portfolio**¹: Norfolk Vanguard West, Norfolk Vanguard East and Norfolk Boreas. **COD in this decade**.

Murakami-Tainai

684 MW project secured in a consortium with Mitsui and Osaka Gas. **COD** expected in **2029**.



Nordseecluster

Nordseecluster A and B secured with a total of 1.6 GW off the German North Sea coast. COD expected in 2027 and 2029.

Recent successes in auctions, projects in development and under construction.



New York Bight Winning seabed lease auction & CfD with ~2.4

Canopy California

Winning seabed lease in floating offshore auction with ~**1.6 GW. COD** ~ **mid of 2030s.**

Gulf of Mexico

2 GW lease area secured with **COD** ~ **mid of 2030s**.

Dublin Array

824 MW site awarded a Contract for Difference. COD expected in 2028.

GW. COD expected at the end of the decade.

OranjeWind

760 MW site awarded. **Innovative solution** for **full system integration** offered, incl. electrolyser, floating PV. **COD** expected in **2027**.

Thor

Concession for **1.1 GW** wind farm **secured** off the Danish coast. **Full commissioning** expected in **2027**.

¹ Acquisition subject to completion in the course of Q1 2024 | Figures as of 12/23.

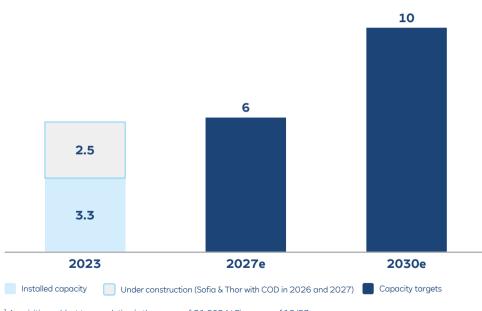
Our offshore assets In development (rights secured) & under construction



¹ Total capacity |² Pro-rata capacity as of 11/23 |³ Acquisition subject to completion in the course of Q1 2024 |⁴ Consortium with Mitsui and Osaka Gas | World map not set to size and proportion

We will triple our Offshore Wind capacity by 2030.

Offshore wind targets GW, pro rata



Development pipeline with COD until 2030 GW, pro rata

2027	Nordseecluster A OranjeWind	0.7 GW 0.8 GW	•
2028	Dublin Array	0.8 GW	0
2029	Murakami-Tainai Nordseecluster B	0.7 GW 0.9 GW	•
2030	Baltic II Rampion 2 Community Offshore Wind Södra Victoria Awel y Môr Norfolk Vanguard West ¹ Norfolk Vanguard East ¹ Norfolk Boreas ¹	0.4 GW 0.6 GW 1.0 GW 1.5 GW 0.3 GW 1.4 GW 1.4 GW	• # • • # # #

 $^{1}\,\mbox{Acquisition}$ subject to completion in the course of Q1 2024 | Figures as of 12/23

Offshore Technologies Fixed bottom

 \rightarrow RWE has a broad experience base in fixed bottom foundations, including:

Gravity foundation

Monopile foundation

Tripod foundation

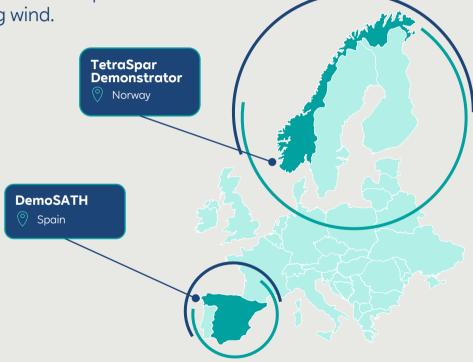
Jacket foundation



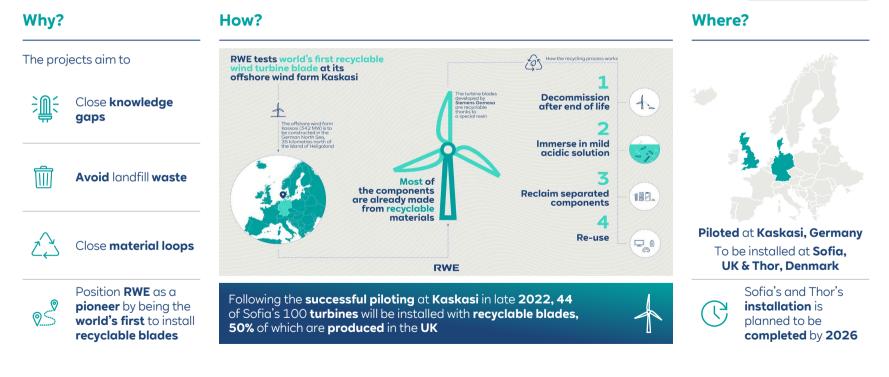
Floating Wind

RWE is building on its extensive offshore wind experience to become a market leader in floating wind.

- RWE aims to have up to
 1 GW of floating capacity
 deployed or under
 construction by 2030
- RWE is also developing a multi-gigawatt global pipeline of activity to deploy in the 2030s and beyond
- We have a global approach & international growth strategy with activities planned globally



World's first recyclable wind turbine blades Kaskasi, Sofia & Thor



🕀 🦲 🛟 Closing Material Loops

CO₂ reduced towers – Thor, Denmark Greener steel for offshore wind parks

Why? How? Where? The project enables RWE to RWE will install CO₂-reduced towers at Thor offshore wind farm Commit to the netzero emission goals What makes How the CO₂ reductions are Siemens Gamesa's achieved: GreenerTower greener? **Contribute** to Less energy intensive steel **circularity** by manufacturing process The steel used in the towers CO_2 recycling resources emits a maximum of 0.7 tons of CO₂-equivalent emissions per ton of steel for the steel Increased use of scrap steel Demonstrating plate in the steel production leadership by being This will ensure a CO₂ reduction the 1st developer of at least 63 percent in 36 turbines are planned the tower steel plates compared Increased use of renewable globally utilizing to be installed at **Thor** to conventional steel energy sources GreenTowers Continue **Installation** is By using green steel for its turbine tower plates, RWE will reduce partnership with expected to be its CO₂ emissions by at least 63%, compared to conventional steel Siemens Gamesa completed by 2026

Net-Zero Transition

We are at the forefront of technological innovation.

Our offshore innovation projects support

... and go beyond conventional applications

Recyclable blades

Vibratory pile driving

We are using the **world's** first recyclable wind turbine blades, made by Siemens Gamesa

We are investigating new

offshore foundations to

installation techniques for

our sustainability strategy ...



Offshore hydrogen

We are part of the AquaVentus project family driving the production of hydrogen on offshore wind farms in the North Sea

Floating wind

Our ambition is to safely develop, build and operate cost-competitive, commercial-scale floating projects around the world

Photo credit: University of Maine

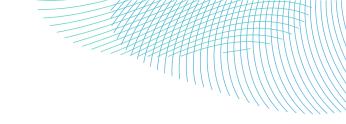
Picture sources: Siemens Gamesa, AquaVentus.

reduce noise emissions









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



H₂

For more information. visit our Hydrogen theme page

Hot Topics | Key Challenges Where do we need your help?

- Supply chain constraint || global demand for offshore renewables projects expected to continue to grow.
- **Supply chain growth** || challenges [teething problems] associated with new factories, facilities and infrastructure. Management of this external risk within projects.
- **Development of decommissioning market** || new [for renewables] market with many unknowns and challenges.
- **Vessel availability** || growth of WTGs and projects is stretching vessel capabilities. Along with global demand in construction, O&M and soon decommissioning continuing to grow we see ongoing market constraint.
- Innovation & technology || the [only] way to solve the challenges, and continue to deliver low carbon energy, is to be smart, to innovate and to manage the inclusion of novel solutions into projects efficiently.

In short, we need you.



Our approach to Offshore supplier engagement

How does RWE work with the Supply Chain?

- Aware of our roles and responsibilities
- Work to understand the challenges
- Are open to conversation
- Facilitate and **participate** in engagement
- Build better and broader relationships
- Review internal processes and improve access to developers & major contractors
- Increase awareness of timelines, breadth & pipeline of opportunities
- Improve across and between-tier engagement
- Utilise Supply Chain Managers and regional clusters
- Work together to achieve the end goal, recognising the prizes along the way

RWE

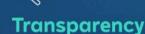
Our approach to offshore supplier engagement



to delivery

Programme an active approach

communicate



providing accessible information

Supplier

........................

working in partnership

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UK & Ireland Supplier Transparency & Engagement Programme



Difference between STEP Engagement Platform & RWE's Procurement Portal

Supplier Transparency & Engagement Programme (UK & Ireland)

RWE's global procurement portal

- Early, ongoing and proactive engagement across the supplier tiers
- Helps us keep up to date on supplier capabilities, innovative solutions etc
- Takes place regardless of procurement/tender bid activity
- Implemented with the previously mentioned 4 steps.

- Suppliers must complete pre-qualification
 process
- Used to search for suppliers when tenders are live and process tenders
- Complimented by STEP to funnel relevant suppliers
- Works alongside STEP to raise awareness to procurement of potential new suppliers out there

Please ask, understand the difference and register for both!

Register to STEP



https://rwe.supplierengagementplatform.com/

Leading the way to a green energy world



Thank you

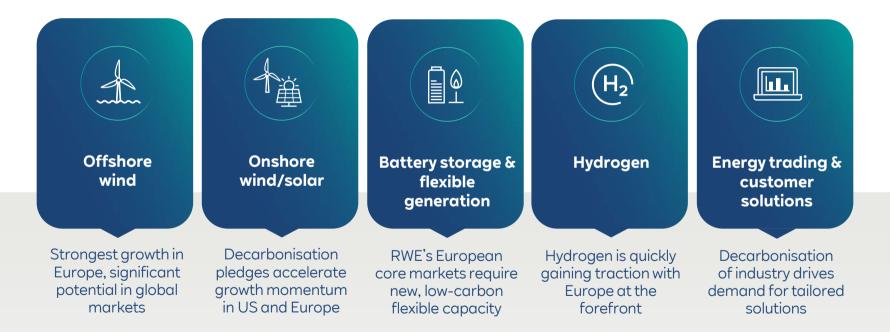
patrick.rainey@rwe.com 07973921114

Please note:

This document contains statements that are oriented towards the future. They reflect the current opinions, expectations and assumptions of management and are based on the information available to management at this time. Statements that are oriented towards the future do not guarantee the occurrence of future results and developments and are connected to known and unknown risks and uncertainties. Various factors may therefore cause actual future events and developments to deviate considerably from the expectations and assumptions voiced herein.

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.

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



Floating Wind

RWE is actively participating in several high-profile floating demo projects for detailed insight and experience.

- Floating offshore wind has great potential and opens attractive market opportunities not accessible via fixed bottom installations.
- The demonstration projects are providing **unique insights** into the particular challenges and opportunities of different structure types, materials, mooring systems, and installation methodologies.
- RWE was successful in securing a **1.6GW floating** wind lease area off the California coast.
- RWE has also **pre-qualified to bid** for two upcoming floating wind auctions in **France**, will participate in an upcoming tenders with our partners in **Norway** will take part in the Celtic Sea auction in the **UK** and is exploring floating wind in further markets as well

Demo project TetraSpar Demonstrator

- Location: Norwegian coast
- Water depth: 200 metres
- Distance to shore: 10 km
- Capacity: 3.6 MW
- Platform type: Suspended counterweight
- Platform material: Steel
- Achieved in: 2021

Demo project **DemoSATH**

- Location: Bay of Biscay, Spain
- Water depth: 80 metres
- Distance to shore: 3 km
- Capacity: 2 MW
- Platform type: Barge
- Platform material: Concrete
- Achieved in: September 2023





Sustainability – core element of our Corporate strategy "Growing Green".



We protect and enhance biodiversity within the scope of our business. We adhere to the mitigation hierarchy principles and aim to have a net-positive impact for new assets by 2030¹.



We reduce natural resources consumption, minimize waste and design our assets in ways that promote material reuse and recycle. Our goal is to be fully circular by 2050¹.

Updated Climate Targets May 2023



We set ourself more ambitious climate targets. Our 2030 CO_2 reduction target and 2040 net-zero target are now in line with the 1.5-degree pathway².

¹ https://www.rwe.com/en/responsibility-and-sustainability/corporate-governance/certifications-and-guidelines/

² Targets to be validated by Science Based Target Initiative; https://www.rwe.com/-/media/RWE/documents/07-presse/rwe-ag/2023/2023-05-31-rwe-sets-itself-more-ambitious-climate-targets.pdf