

## Press release

### RWE's green hydrogen ambitions for Eemshaven region strengthened by plans for 100MW electrolyser

- **100MW electrolyser development project secured environmental and building permits**
- **RWE's hydrogen ambition supports Eemshaven region as sustainable energy hub**
- **Electrolyser is part of the OranjeWind system integration solutions**

Essen/Geertruidenberg, 30 October 2024

RWE has taken an important step in developing 100MW of green hydrogen production at Eemshaven, the Netherlands. The country's largest electricity producer announced that it has secured the necessary construction and environmental permits to build an electrolyser near the Magnum Power Station in Eemshaven in the north of the country. If built, the electrolyser will contribute to the onshore energy system integration plans associated with the 795MW [OranjeWind offshore wind project](#) in the Dutch North Sea, which RWE is realising together with its joint venture partner TotalEnergies.

**Sopna Sury, COO Hydrogen at RWE Generation SE:** "Securing the necessary permits brings us a step closer to realising this electrolyser in Eemshaven. This would enable RWE to provide industry with green hydrogen to make their production processes more sustainable. With our plans of this electrolyser at the Eemshaven, RWE continues to contribute to the further growth in the area and helps to establish this cluster as a centre for renewable energy."

#### **OranjeWind electrolyser capacity**

In order to address the challenges presented by matching intermittent electricity production from renewables with flexible demand for energy, a key part of the OranjeWind project is its integration into the Dutch energy system. The planned 100 MW OranjeWind electrolyser in Eemshaven can make a significant contribution to this. Recently, TotalEnergies announced that it would dedicate its share of the renewable electricity production from the OranjeWind offshore wind project to power 350 MW electrolyser projects to produce green hydrogen for the decarbonisation of TotalEnergies' refineries in Northern Europe.

With the announcement that RWE has secured the necessary permits which will enable it to develop a 100MW electrolyser on a plot adjacent to the Magnum Power Station, the company's plans for green hydrogen production in the region have increased, since the company is also working on the realisation of a 50MW electrolyser at the nearby Eemshaven Power Station.

# RWE

The realisation of the 50MW Eemshydrogen project and the 100MW OranjeWind electrolyser are subject to final investment decisions (FID). A key condition for these is the timely availability of the necessary infrastructure, such as the national hydrogen backbone, to transport the green hydrogen to customers.

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## RWE

RWE is leading the way to a green energy world. With its investment and growth strategy Growing Green, RWE is contributing significantly to the success of the energy transition and the decarbonisation of the energy system. Around 20,000 employees work for the company in almost 30 countries worldwide. RWE is already one of the leading companies in the field of renewable energy. Between 2024 and 2030, RWE will invest 55 billion euros worldwide in offshore and onshore wind, solar energy, batteries, flexible generation, and hydrogen projects. By the end of the decade, the company's green portfolio will grow to more than 65 gigawatts of generation capacity, which will be perfectly complemented by global energy trading. RWE is decarbonising its business in line with the 1.5-degree reduction pathway and will phase out coal by 2030. RWE will be net-zero by 2040. Fully in line with the company's purpose - Our energy for a sustainable life.

## Forward-looking statements

*This press release contains forward-looking statements. These statements reflect the current views, expectations and assumptions of management, and are based on information currently available to management. Forward-looking statements do not guarantee the occurrence of future results and developments and are subject to known and unknown risks and uncertainties. Actual future results and developments may deviate materially from the expectations and assumptions expressed in this document due to various factors. These factors primarily include changes in the general economic and competitive environment. Furthermore, developments on financial markets and changes in currency exchange rates as well as changes in national and international laws, in particular in respect of fiscal regulation, and other factors influence the company's future results and developments. Neither the company nor any of its affiliates undertakes to update the statements contained in this press release.*

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