

Press release

RWE to build 400 MW battery to ease grid congestion in Noord-Brabant

- **RWE has taken final investment decision to build one of the largest battery storage systems in the Netherlands: a 400 MW/1,100 MWh battery at Moerdijk power station**
- **It will be able to supply enough electricity to cover evening peak demand of around 500,000 households**
- **Commissioning planned for second quarter of 2028**
- **Battery contributes to system integration of OranjeWind offshore project by supporting optimal use of renewable electricity**

Geertruidenberg, 21 September 2026

The Moerdijk power station site will be home to a flagship large-scale battery system in the Netherlands. RWE has taken the final investment decision to build a 400 megawatts (MW) and 1100 megawatt-hours (MWh) battery storage system at the site. It will consist of 208 containers with lithium-ion batteries and can deliver its full output for almost three hours. Construction is scheduled to start in due course, commissioning is planned for second quarter of 2028.

Nikolaus Valerius, CEO of RWE Generation SE: “This battery marks a major milestone for reliable power supply and grid relief in Noord-Brabant. As one of the largest and most powerful battery systems in the Netherlands, it will be capable of covering the evening peak demand of around 500,000 households for almost three hours. At the same time, it can absorb surplus electricity from the grid within seconds. Battery storage plays a crucial role in building a resilient energy system that can accommodate a growing share of renewables.”

Mark Lentjes, Regional Director of TenneT Southern Netherlands: “We are pleased that RWE intends to contribute to a more efficient use of the electricity grid in West Brabant with a large-scale battery that acts as a congestion reliever. RWE’s large-scale battery is located close to the 150,000-volt high-voltage substation at Moerdijk-Noord, where it will help to alleviate the regional bottleneck, which in turn has an impact on congestion across the whole of Noord-Brabant.”

Moerdijk battery to relieve grid congestion

The new battery system will make best use of the existing infrastructure: It will be connected to the national grid via the existing substation at the RWE power plant in Moerdijk. Through capacity steering agreements with Transmission System Operator TenneT, the battery will be



dispatched to relieve congestion in the Noord-Brabant region. Thanks to this development, space is being created on the grid for parties on the waiting list who wish to purchase electricity. TenneT, together with the regional grid operator Enexis, will be investigating what this means in the coming period. The grid operator will take this development, along with other developments in the region, into account when reviewing [the congestion management study in December of 2026](#). The new battery system will also be equipped to provide advanced grid services such as instantaneous reserve (inertia). The Moerdijk site already hosts the first [synthetic inertia battery](#) connected to the continental European grid, with a capacity of 7.5 MW/11 MWh.

Matching offshore wind with onshore flexibility

RWE and TotalEnergies' 795 MW offshore wind project off the Dutch coast, is designed to combine offshore wind generation with onshore flexibility solutions that help align renewable power production with electricity demand. At Moerdijk, the battery projects play an important role here by storing electricity when wind output is high and feeding it back into the system when needed, helping to balance fluctuations and optimise the use of renewable power. Together with technologies such as electrolysis, e-boilers and smart charging, it supports OranjeWind's ambition to integrate offshore wind more effectively into the Dutch energy system.

Battery storage at RWE

As a driver of the energy transition, RWE develops, builds and operates [battery storage systems](#) in the US, Europe and Australia. In the Netherlands, RWE currently operates two battery storage systems. In addition to the existing battery at Moerdijk, RWE operates a 35 MW/41 MWh battery at Eemshaven power plant. Globally, RWE currently operates battery storage systems with a total capacity of around 1.7 gigawatts (GW) and 3 GW are under construction. As an integral part of its growth strategy, RWE plans to significantly expand its battery storage capacities worldwide.

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Pictures for media use are available at the RWE media centre (credit: RWE):

- [BESS in Eemshaven](#)
- [Inertia battery pilot at Moerdijk](#)
- [BESS in Hamm, Germany](#)
- [BESS in Lingen, Germany](#)
- [Infographic of the Moerdijk 400MW battery](#)

More information on battery storage systems at RWE can be found [here](#).

RWE

RWE is shaping the energy world of tomorrow. To this end, the company is investing billions of euros in offshore and onshore wind, solar energy, battery storage, flexible generation assets and, through its shareholding in Amprion, in the expansion of Germany's transmission grid. The portfolio is complemented by its global energy trading business. RWE is already one of the leading companies



in the field of renewable energy. Around 20,000 employees work for the company worldwide. With its integrated portfolio and broad project pipeline, RWE is ideally positioned to meet the growing global demand for electricity driven by electrification and artificial intelligence. At the same time, the company is making an important contribution to ensuring a secure, affordable and climate-friendly energy supply. RWE is decarbonising its business in line with the 1.5-degree reduction pathway, will phase out coal by 2030 and aims to achieve 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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