

Press release

RWE gives green light for 220-megawatt battery storage system in North Rhine-Westphalia

- **Storage systems to be installed at sites of RWE power plants in Neurath and Hamm**
- **Total investment amounts to approximately 140 million euros**
- **RWE plans innovative coupling with other technologies**

Essen, 7 November 2022

RWE continues to expand its battery storage technology business. The company has finalised its investment decision for a 220 megawatt (MW) battery storage project in Germany. A total of 690 lithium-ion batteries blocks are to be installed at the sites of RWE's power plants in Neurath and Hamm in North Rhine-Westphalia. The total investment amounts to approximately 140 million euros. Subject to the pending building permit, construction is scheduled to start in 2023, with commissioning planned for 2024.

The new system is designed to react within seconds, delivering the required output for over an hour. This allows the system to contribute to the efficient stabilisation of the grid with a reliable power supply. The unique feature of the system is that the new battery is networked virtually with RWE's German power plants. This enables optimal management in terms of which unit efficiently provides balancing energy, either individually or as a group, and when. RWE leverages its energy storage technical capabilities by providing detailed project design, modelling, system integration and commissioning.

Roger Miesen, CEO of RWE Generation: "This investment decision paves the way for a future-looking project that will set new standards in terms of size as well as intelligent networking. Our new battery storage system will optimise the utilisation of our German power plant fleet, and in tandem they will provide balancing energy."

Lars Kulik, member of the Board of RWE Power: "Against the backdrop of structural change, this group-wide joint project will enable traditional power plant sites to contribute to the energy supply of the future once they have been fitted with state-of-the-art storage technology and innovative networking systems."

RWE plans to implement this storage project at existing power plants to maximise the synergy effects across technologies. The batteries can be installed in the areas that are already available, utilising existing grid infrastructure to feed energy in and out.

RWE

In Neurath, batteries with a total capacity of 80 MW are to be installed on an area of around 7,000 m², which is the equivalent of about one football pitch. And batteries with a total capacity of 140 MW are to be installed in Hamm at the Westfalen power plant, covering an area of 14,000 m². The company plans to use brand new lithium-ion batteries which are installed in cabinet form, and delivered as prefabricated modules.

Battery storage @ RWE

Battery storage systems are an essential part of the energy transition because they store the leftover electricity resulting from overproduction in the grid and make it available again when it is needed. As one of the leaders of the energy transition, RWE develops, builds, and operates battery storage systems in Europe, Australia and the Americas.

RWE currently operates a total installed battery storage capacity of approximately 150 MW (160 MWh) and is executing battery storage projects of more than 800 MW (1,800 MWh) worldwide. RWE has the ambition to build three gigawatts of batteries by 2030.

This year, RWE commissioned a battery storage system in Ireland of 60MW, and a 40MW battery storage system coupled with a solar PV plant in Georgia, USA. In Germany, RWE is currently commissioning a 117MW project that is virtually connected to the run-of-river hydropower plants on the Moselle River.

In its other projects, RWE makes use of storage systems from used electric car batteries (“second life” batteries) or liquid batteries known as RedOx flow systems. In addition, RWE offers industrial customers tailor-made, cutting-edge solutions, drawing on its expertise in energy trading and innovative storage systems.

For further enquiries

Viola Baumann
Spokesperson RWE
T +49 201 5179-5008
M +49 162 2845484
E viola.baumann@rwe.com

A graphic for media purposes (image rights: RWE) is available in the [media library](#).

RWE

RWE is leading the way to a green energy world. With an extensive investment and growth strategy, the company will expand its powerful, green generation capacity to 50 gigawatts internationally by 2030. RWE is investing more than €50 billion gross for this purpose in this decade. The portfolio is based on offshore and onshore wind, solar, hydrogen, batteries, biomass and gas. RWE Supply & Trading provides tailored energy solutions for large customers. RWE has locations in the attractive markets of Europe, North America and the Asia-Pacific region. The company is responsibly phasing out nuclear energy and coal. Government-mandated phaseout roadmaps have been defined for both of these energy sources. RWE employs around 19,000 people worldwide and has a clear target: to get to net zero by 2040. On its way there, the company has set itself ambitious targets for all activities that cause greenhouse gas emissions. The Science Based Targets initiative has confirmed that these emission reduction targets are in line with the Paris Agreement. Very much in the spirit of the company's purpose: Our energy for a sustainable life.



General Data Protection Regulation (GDPR)

The personal data processed in connection with the press releases will be processed in compliance with the legal data protection requirements. If you are not interested in continuing to receive the press release, please inform us at datenschutz-kommunikation@rwe.com. Your data will then be deleted and you will not receive any further press releases from us in this regard. If you have any questions about our data protection policy or the exercise of your rights under the GDPR, please contact datenschutz@rwe.com.

