

## Press Release

### RWE plans hydrogen-ready combined-cycle gas turbine at Gersteinwerk in Werne

- **Italian-Spanish consortium commissioned to plan 800-megawatt plant**
- **Investment decision to be made once H2 grid connection and regulatory framework are in place and economic viability has been established**

Essen, 29 May 2024

RWE is planning to build hydrogen-ready gas-fired power plants at the company's power plant sites in Germany to contribute to a successful coal phase-out by 2030. Following Weisweiler in the Rhenish mining area, the company is now pressing ahead with plans for such a plant at a possible second site in Werne in the southern Münsterland region. An H2-ready combined-cycle gas turbine (CCGT) power plant with a nominal capacity of around 800 megawatts may be built at the Gersteinwerk power plant.

Following intensive technical soundings, RWE has commissioned an Italian-Spanish consortium to plan the project. Work on the planning approval process is already underway.

**Nikolaus Valerius, CEO RWE Generation SE:** "With the approval planning for a hydrogen-ready gas-fired power plant at the Gersteinwerk, we are taking proactive measures to keep the chance of completion by 2030 open. With the construction of the new power plant, we are ready to contribute to green security of supply and thus secure the coal phase-out by 2030. This requires policymakers to quickly make some key decisions. We can only make a final investment decision once the connection of the site to a hydrogen network has been secured and the framework conditions allow for a commercially viable operation of the power plants."

The German government has announced that its power plant strategy will soon create a regulatory framework for tendering hydrogen-ready gas-fired power plants. RWE intends to participate in these tenders. According to the recently presented plans for the construction of a hydrogen infrastructure in Germany, the Gerstein plant in Werne could be located close to a hydrogen transport pipeline in the future.

A consortium consisting of Ansaldo Energia (Italy) and Tecnicas Reunidas (Spain) has won RWE's tender for the hydrogen-ready CCGT. The contract signed by the three partners includes approval planning for the power plant as a first step.



Work on the planning process is already underway. This is the prerequisite for RWE to be able to start implementing the project as soon as an investment decision has been made.

According to current planning, the plant in Werne could start producing electricity by 2030.

At the time of commissioning, the plant should be able to use a fuel mix with at least 50 per cent hydrogen content, and it is intended to run it entirely on hydrogen at a later stage.

**A visualisation of the planned plant** can be found in the [RWE media library \(source: RWE\)](#).

**For further enquiries:**

Olaf Winter  
Press office | RWE Generation SE  
T +49 201 5179-8455  
[E olaf.winter@rwe.com](mailto:olaf.winter@rwe.com)

**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.*

**Data Protection**

*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](mailto: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](mailto:datenschutz@rwe.com).*

