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Press Release

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Green hydrogen from Lingen: Bilfinger integrates third electrolysis plant for RWE

- **RWE expands plant in Lingen to include a third electrolysis plant for production of green hydrogen**
- **Bilfinger acting as comprehensive solution partner for engineering, installation, and integration into existing plant**
- **Expansion of capacities for sustainable, efficient energy production; 100 megawatt added plant output after launch in 2027**

Mannheim, Germany. By 2027, the German energy company RWE plans to be ready to produce green hydrogen for industrial customers at its gas-fired power plant in Lingen – thanks to a new 300-megawatt plant comprising three electrolysis units. After the commissioning of the first two construction stages in 2022, RWE has now assigned the industrial services provider Bilfinger with the integration of the third 100 MW electrolysis plant including the planning and installation of the auxiliary and ancillary plants.

In three years from now, a new large-scale plant in the North of Germany is expected to make a significant contribution towards more sustainable and efficient energy sources. In the context of the “GET H2 Nukleus” project, RWE is expanding their production site in Lingen, Germany, making it a key driver of their hydrogen strategy: A 300-MW electrolysis plant is to become the starting point in the development of a cross-regional hydrogen infrastructure and the supply of industrial customers. GET H2 Nukleus is the energy company’s largest hydrogen project to date.

To make their vision a reality, RWE has contracted Bilfinger as the main solution partner for the integration of the third electrolysis unit. Under this contract, Bilfinger will take on extensive planning tasks as well as the delivery and installation of the ancillary process technology systems, in order to ensure the efficient integration and connection of the water and hydrogen treatment, compression and control technology.

“Our goal is to supply industrial clients with climate-neutral hydrogen in the coming years,” says Sopna Sury, COO Hydrogen at RWE Generation SE. “We are building on Bilfinger’s



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engineering and hydrogen expertise to achieve this goal most efficiently by integrating the third 100 MW plant for us. Bilfinger is becoming a valuable partner for the implementation of our hydrogen strategy in the RWE Group.”

Hydrogen projects like RWE’s are of central importance to Bilfinger as well, as these collaborations reflect the company’s vision to become the number one partner in enhancing the efficiency and sustainability of customers: “Green hydrogen plays a crucial role in the transformation of our energy system. We are pleased about the trust RWE is placing in us with the implementation of their pioneering plant. This joint effort will enable us to make a further important contribution to the development of efficient and sustainable energy supply solutions,” says Thomas Schulz, Bilfinger Group CEO.

Bilfinger offers client companies comprehensive solutions for the production, storage, transportation and utilization of hydrogen. By bundling both the necessary expertise and services – from consulting, engineering, procurement and construction to maintenance – the company offers all services from a single source.

Current examples of Bilfinger’s engagement in the hydrogen sector include, for example, [the hydrogen pilot cavern for Uniper in Krummhörn](#), [the strategic partnership for efficient green hydrogen projects with H-TEC SYSTEMS](#) and [the engineering framework for energy transition projects with Gasunie](#). Further examples of their solution portfolio are Bilfinger’s [H2DRY](#) storage technology and [3D Design concepts](#) for the construction of electrolysis plants.

For more information visit www.bilfinger.com/en/markets/energy/hydrogen/.



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3D model of the electrolysis plant on-site RWE's gas-fired power plant in Lingen, Germany

Bilfinger is an international industrial services provider. The aim of the Group's activities is to increase the efficiency and sustainability of customers in the process industry and to establish itself as the number one partner in the market for this purpose. Bilfinger's comprehensive portfolio covers the entire value chain from consulting, engineering, manufacturing, assembly, maintenance and plant expansion to turnarounds and digital applications.

The company delivers its services in two service lines: Engineering & Maintenance and Technologies. Bilfinger is primarily active in Europe, North America and the Middle East. Process industry customers come from sectors that include energy, chemicals & petrochemicals, pharma & biopharma and oil & gas. With its ~30,000 employees, Bilfinger upholds the highest standards of safety and quality and generated revenue of €4.5 billion in financial year 2023. To achieve its goals, Bilfinger has identified two strategic thrusts: repositioning itself as a leader in increasing efficiency and sustainability, and driving operational excellence to improve the organizational performance.

You can find additional information, photographs and videos at

