

Sunfire Delivers High-Temperature Electrolyzer to RWE's Hydrogen Site in Lingen



Large-scale hydrogen production – this is the goal set by the energy utility RWE for its Lingen site in Lower Saxony, Germany. As part of the TansHyDE project “GET H2 Nucleus”, the company is testing various electrolysis technologies, including Sunfire’s highly efficient high-temperature electrolysis.

Dresden, December 2, 2022 | As the first electrolyzer on site, the Dresden-based electrolysis manufacturer Sunfire delivered a 250 kW (kilowatt) system to Lingen. Once commissioned, the high-temperature electrolyzer will produce green hydrogen, which will be fed directly into RWE’s test pipeline at the power plant. In the scope of GET H2 Nucleus, the project partners gain valuable insights into the transport of hydrogen.

Sunfire’s solid oxide electrolysis cell technology (SOEC) is one of the most efficient on the market. At temperatures of 850 °C, the plant splits water steam into its components hydrogen and oxygen, using green electricity from an offshore wind farm.

Green hydrogen is a multi-talent and key for the energy transition – which RWE has also recognized. As part of its “Growing Green” strategy, the company is planning major investments in clean technologies. By 2030, RWE aims at building at least 2 GW of electrolysis capacity to produce green hydrogen.

As an additional pilot plant, Sunfire will install a 10 MW pressurized alkaline electrolyzer at RWE’s site in Lingen. The commercial project provides valuable insights into green hydrogen production on an industrial scale for both partners – for the energy utility as well as the electrolyzer manufacturer.

More information about the project GET H2 Nucleus can be found here: <https://www.rwe.com/forschung-und-entwicklung/wasserstoff-projekte/wasserstoff-projekt-get-h2>



Image: ©RWE

About Sunfire

Sunfire is a global leader in the production of industrial electrolyzers based on pressurized alkaline and solid oxide (SOEC) technologies. With its electrolysis solutions, Sunfire is addressing a key challenge of today's energy system: Providing renewable hydrogen and syngas as climate-neutral substitutes for fossil energy. Sunfire's innovative and proven electrolysis technology enables the transformation of carbon-intensive industries that are currently dependent on fossil-based oil, gas, or coal. The company employs more than 650 people located in Germany and Switzerland.

For more information visit www.sunfire.de