

## Sunfire conducts FEED study for 500 MW green hydrogen project

The electrolysis manufacturer will provide a front-end engineering and design study for a large-scale hydrogen project in Europe.

**Dresden, April 18, 2024** – After receiving an order for a 100 MW electrolyzer last year, Sunfire is now participating in the next significant project: conducting the front-end engineering and design study (FEED) for a substantial 500 MW hydrogen project scheduled for operation by 2028. Sunfire's FEED study will enable the customer to take a transparent, comprehensive financial investment decision (FID) for the project.

This project represents a significant milestone in Europe's green hydrogen initiatives. The renewable hydrogen produced will support various applications, including refinery operations and ammonia production, contributing to industrial sustainability efforts. Complementing the project, extensive solar and wind infrastructure will accompany the central 500 MW pressurized alkaline electrolyzer.

Nils Aldag, CEO of Sunfire, comments on the project's importance: "Europe is at the forefront of adopting green hydrogen solutions. We are seeing the first 100 MW projects reaching their FIDs. As larger-scale projects like the 500 MW initiative emerge, Sunfire reaffirms its commitment to providing reliable industrial electrolyzer technology, capable of facilitating transformative projects."

Sunfire's comprehensive FEED study will define operational parameters, site requirements, and execution guidelines with integration partners (EPCs) for the 500 MW pressurized alkaline electrolyzer. The outcome sets a crucial milestone towards project realization, ensuring effective execution.

In parallel, Sunfire continues to scale its production capacities – the company launched its automated series production of pressurized alkaline electrolyzers at the beginning of last year that is currently further expanded. With an order backlog of 700 MW electrolyzer capacity, Sunfire is committed to enable the green industrial transformation for a broad range of customers.

Nils Aldag states: "With the projects we are bringing to life this year, we are building a strategic and efficient partner network – gaining the experience that will enable us to deliver electrolysis systems scaled up to several hundreds of megawatts."

### 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.

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