

PRESS RELEASE

New Hydrogen Center: ENERTRAG and Sunfire Start Cooperation to Operate a 10 MW Pressurized Alkaline Electrolyzer

Prenzlau/Dauerthal/Dresden, 9th September 2021 | Renewable energy company ENERTRAG and electrolysis company Sunfire are expanding their partnership. Both partners have signed a cooperation agreement for the realization of an electrolysis test field in Prenzlau (Germany).

The partners announced that they will install and operate a number of electrolyzer systems with a total capacity of up to 15 MW at ENERTRAG's new hydrogen center in Prenzlau. In the scope of the cooperation, Sunfire will deliver a 10 MW pressurized alkaline electrolyzer of the new S+ generation. In addition, the first hydrogen filling station in the Uckermark region will be built at the Prenzlau facility, which will be supplied with green hydrogen produced on-site.

ENERTRAG will connect the hydrogen center through its own power line to the renewable power plant Uckermark, which has a production capacity of more than 600 MW. By using renewable electricity only, the installed electrolyzers can produce green hydrogen in the most climate friendly way possible. The project benefits from ENERTRAG's 10 years of experience in producing green hydrogen through operating the hybrid power plant.

The green hydrogen is planned to be used for the mobility sector – for local public transport in particular. ENERTRAG will be responsible for the commercialization of the hydrogen produced, which can also be supplied to customers via trailers.

Delivering the 10 MW pressurized alkaline electrolyzer of the new generation S+ is an important step for Sunfire, strengthening its position as a global leading electrolysis company. Due to an increased power density, Sunfire's new pressurized alkaline system is even more efficient than the previous generation, enabling green hydrogen production at lower cost.

"We look forward to cooperate with ENERTRAG not only as a strong partner for validating our technology, but also as an important new customer", underlines Sunfire CEO Nils Aldag. "The hydrogen center offers optimal conditions to validate our technological advancements due to the sufficient green electricity available. We have been able to prove our pressurized alkaline technology in numerous industrial projects worldwide over the past decades. Our new S+ generation will set entirely new standards."

In addition to the 10 MW pressurized alkaline electrolyzer, Sunfire is also installing further electrolysis systems in Prenzlau, covering different technologies from the company's product portfolio. These include the innovative high-temperature electrolysis system based on the solid oxide electrolysis cell technology (SOEC). Running at temperatures of 850 °C, it is considered the most efficient electrolysis solution on the market.

"The cooperation agreement with Sunfire marks another milestone for our hydrogen center in Prenzlau", says Manuela Blaicher, Head of Power-to-X at ENERTRAG. "It is important for us to produce green hydrogen from regionally generated, renewable electricity, reducing the power grid load and storing surplus electricity in a smart way. We are particularly excited about the opportunity to gain more insights about new technologies that will be important for the continuing energy transition."

ENERTRAG and Sunfire are already cooperating in several other projects. Within "Concrete Chemicals", for example, the partners are working together with cement manufacturer

CEMEX to reduce the cement industry's carbon footprint using green hydrogen. The knowledge gained will be incorporated into future hydrogen projects.

Press Contact ENERTRAG:

Matthias Philippi • Press & Communications Manager •
Phone: +49 (0)39854 6459748 • matthias.philippi@enertrag.com

Press Contact Sunfire:

Laura Dicke • Manager Communications •
Phone: +49 173 692 0974 • laura.dicke@sunfire.de

About ENERTRAG

ENERTRAG provides all services related to renewable energies. We efficiently combine electricity, heat and mobility in all areas of life. As an energy producer with an annual production of 1.7 million MWh in its portfolio and a service network that manages over 1,125 wind turbines, we also know from our own experience what is important for our customers. With over two decades of experience in Europe, our 680 employees combine all the skills required for successful operation and efficient maintenance, but also for citizen-oriented planning and reliable construction of energy plants and grids up to complete interconnected power plants. We are always one energy ahead - be it in sector coupling, participation models or demand-oriented night labelling.

About Sunfire

Founded in 2010, Sunfire GmbH is a global leader in the production of industrial electrolyzers based on 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 e-Fuels from renewable electricity, water, and CO₂ 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 250 people located in Germany, Norway, and Switzerland. For further information please visit www.sunfire.de/en