

Press release

GP JOULE orders 2-megawatt electrolyser from H-TEC SYSTEMS

Green hydrogen production in Bremerhaven to start in 2023

Hanover / Reußenköge, 1 June 2022

The energy transition company GP JOULE has ordered an electrolyser with a capacity of 2 megawatts from H-TEC SYSTEMS. The corresponding contract was signed today at the Hanover Trade Fair. The electrolyser is to produce hydrogen for a filling station in Bremerhaven. The electricity required for this will come from a nearby wind farm. The delivery and installation of the electrolysers is scheduled for mid-2023. GP JOULE and H-TEC SYSTEMS are building on their successful cooperation, which includes the lighthouse project eFarm in North Friesland.

The hydrogen production plant is to be built in Bremerhaven's Grauwalling industrial estate. It is part of the HY.City.Bremerhaven hydrogen project initiated by GP JOULE and Green Fuels GmbH. GP JOULE is in charge of constructing and operating the electrolysis plant. From the Grauwalling, the green hydrogen is delivered to a filling station at the depot of Bremerhaven Bus, the local bus company. The hydrogen filling station will also be open to other customers. In March, the project already received funding approval from the Federal Ministry of Transport as part of the "HyLand" funding program. HY.City.Bremerhaven is part of the hydrogen network project "Hyways for Future", which extends across the North-West metropolitan region from Oldenburg to Cuxhaven.

Development of the hydrogen economy in the Northwest is proceeding rapidly

While most hydrogen regions in Germany are still busy with preliminary studies, the northwest is already moving into the implementation phase. The experience gained from the eFarm project is a great help here. Three of a total of five planned electrolysis units are already in operation there. Heinrich Gärtner, CTO and co-founder of GP JOULE: "We look forward to working with H-TEC SYSTEMS again." André Steinau, Managing Director of GP JOULE HYDROGEN: "The electrolyser order is a big step for the HY.City.Bremerhaven project. Our well-coordinated coordination and the reliable technology will help us to get the project on the home straight on time and to be able to offer regional green hydrogen in Bremerhaven in 2023. The fuel cell vehicles will help make the city quieter and cleaner."

Experience and flexibility

H-TEC SYSTEMS' PEM electrolysers incorporate several decades of experience and development work. Thanks to their high flexibility, they are particularly suitable for coupling with the fluctuating energy sources of wind and sun. The delivery of the entire unit in a compact container ensures that the electrolyser can be installed and commissioned quickly and easily.

Frank Zimmermann, CFO of H-TEC SYSTEMS: "We are delighted to be working with our long-standing partner GP JOULE. Together we are making the infrastructure in Bremerhaven greener and thus contributing actively to the energy turnaround."

Images



Caption: Contract signing at the Hannover Messe (from left to right): Heinrich Gärtner, CTO GP JOULE, André Steinau, Managing Director GP JOULE HYDROGEN, Frank Zimmermann, CFO H-TEC SYSTEMS and Marius Zasche, CTO H-TEC SYSTEMS.

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About GP JOULE

Founded in 2009 based on the belief that a 100% renewable energy supply is feasible, GP JOULE is now a system provider for integrated energy solutions from solar, wind and biomass power as well as being a partner at the supply level for electricity, heat, hydrogen and electric mobility. GP JOULE is thus a pioneering company in sector cross-linkage. Around 500 people work for the medium-sized group of companies in Germany, Europe and North America. GP JOULE is the winner of the Schleswig-Holstein Business Environment Award 2019 and the German Renewables Award 2020.

GP JOULE HYDROGEN puts the know-how of over ten years of hydrogen research and development on the road. GP JOULE HYDROGEN offers the full range of services for

100% climate-friendly mobility, from gas production from renewable energies to storage and transport to the construction of hydrogen filling stations and their ongoing operation, from customer activation to vehicle procurement and the acquisition of subsidies.

About H-TEC SYSTEMS H-TEC

SYSTEMS develops and produces innovative PEM electrolyzers and electrolysis stacks. With their technologies, green hydrogen is produced economically, efficiently and flexibly. The specialists work at two locations in Germany to achieve a successful energy turnaround across all sectors and shape the hydrogen economy as a technological pioneer backed by 25 years of experience. As part of the MAN Energy Solutions Group, H-TEC SYSTEMS supplies the key technologies for the power-to-X value chain.

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