

# GP JOULE expands hydrogen production with 2-megawatt electrolyzer from H-TEC SYSTEMS

The energy transition company GP JOULE has ordered an electrolyzer with a capacity of 2 megawatts from H-TEC SYSTEMS. The electrolyzer is to produce hydrogen for a filling station in Bremerhaven. The electricity required for this will come from a nearby wind farm. Delivery and installation of the electrolyzer is scheduled for mid-2023. H-TEC SYSTEMS and GP JOULE are thus building on their successful collaboration, including in the eFarm project in North Friesland.

## Hannover | June 01, 2022

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 responsible for the construction and operation of the electrolysis plant. From the Grauwalling, the green hydrogen will be 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 German 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 covers the North-West metropolitan region from Oldenburg to Cuxhaven.

## Development of the hydrogen economy in northwestern Germany takes off

While many hydrogen development regions in Germany are still working on pilot studies, the Northwest is already moving ahead with implementation. The experience of the players from the eFarm project is a great help here. There, three of a total of five planned electrolysis units from H-TEC SYSTEMS are already in operation. 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 electrolyzer 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 with H-TEC SYSTEMS Electrolyzers

H-TEC SYSTEMS' PEM electrolyzers incorporate 25 years of experience and development. Thanks to their high flexibility, they are particularly suitable for coupling with the fluctuating energy sources of wind and solar. Delivery of the entire unit in a compact container ensures that installation and commissioning at the installation site are quick and straightforward.

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."



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. (©H-TEC SYSTEMS)

## About H-TEC SYSTEMS

**H-TEC SYSTEMS** develops and produces innovative PEM electrolyzers and electrolysis stacks. With their technology, green hydrogen can be produced economically, efficiently and flexibly. The hydrogen specialists work at two locations in Germany for a successful energy transition across all sectors and have shaped the hydrogen economy as a technological pioneer for over twenty-five years. As part of the MAN Energy Solutions Group, H-TEC SYSTEMS supplies the key technology for the power-to-X value chain.

**Further information:** [www.h-tec.com](http://www.h-tec.com)

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