

About the cooperation

Expansion of the world's densest network of hydrogen refueling stations in Sweden

Maximator Hydrogen supports Hydri in the Swedish H2 infrastructure network expansion with innovative H2 solutions

Hydri – formerly REH2 – and Maximator Hydrogen are working together on the strategic expansion of a nationwide green H2 infrastructure for heavy trucks with the world's densest network of hydrogen refueling stations in Sweden. The first refueling station is scheduled to be delivered in the beginning of 2024, with another 23 stations to follow on a monthly cycle.

With Rasta, Sweden's largest service station chain for trucks is also part of the cooperation. 23 of the 24 hydrogen refueling stations will be built at their sites. The rest areas are strategically located along Sweden's major highways, making them an important building block in expanding hydrogen mobility for trucks and promoting zero-emission transportation in the country.

„Maximator Hydrogen offers us a complete turn-key package for our stations and, just like us, is committed to long-term cooperation. Both are key requirements for us to be successful in introducing a green H2 infrastructure in Sweden,” said Christoffer Löfström of Hydri.



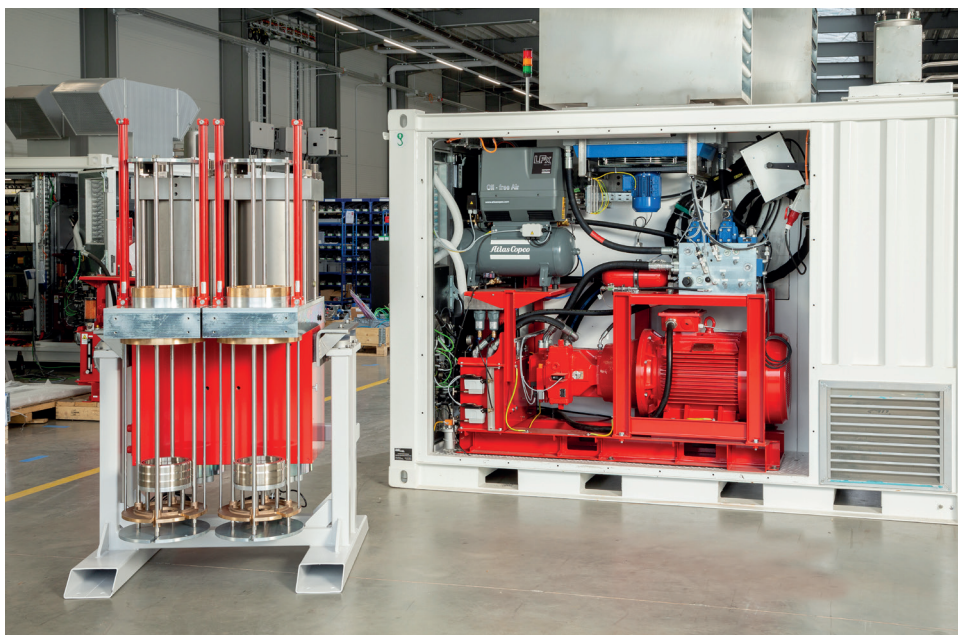
Status quo

- ✓ As part of the cooperation with Hydri, Maximator Hydrogen is supplying 24 hydrogen refueling stations, which are currently in the design and planning phase.
- ✓ Permitting processes will begin in the spring of 2023. Delivery of the first refueling station is scheduled for beginning of 2024.
- ✓ The first two hydrogen filling stations are to be implemented in Mariestad and Lilla Edet.
- ✓ From the beginning of 2024, one to two stations are to be installed and commissioned every month until Q3 2025.

Components of Maximator Hydrogen

MAX Compression 2.0: Cost-effective and efficient hydrogen compression solution for fueling stations, storage facilities, and pipelines

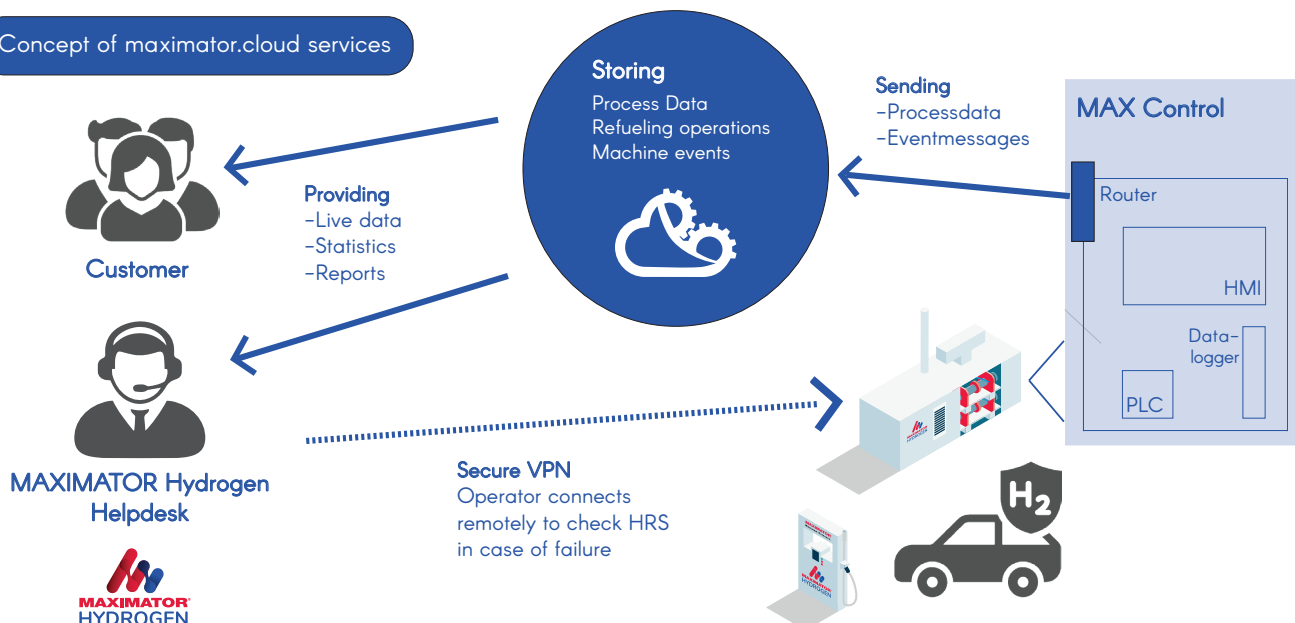
- ✓ Latest and highly efficient generation of compressors from Maximator Hydrogen
- ✓ Grows with the needs of plant and filling station operators thanks to expandable drive units (75 kilowatts and 250 kilowatts)
- ✓ Operates at up to five times higher capacity with the same installation space and optimized energy requirements
- ✓ Compresses the hydrogen directly and without the usual intermediate storage
- ✓ Increases plant performance and efficiency by more than 25 percent
- ✓ Automatic Seal Exchange – unique and worldwide patented seal exchange technology to reduce downtime and operating and maintenance costs
- ✓ Regular seal replacement process within a few minutes
- ✓ Reduction of automatic seal exchange times to 15 seconds



Automation Cloud: 24/7 service for maximum security and efficiency

- ✓ Integrated analysis solution with service connection
- ✓ Efficient operation and safety of hydrogen refueling stations
- ✓ Collection of various data in one information pool
- ✓ Comprehensible and descriptive preparation of all data in the information pool
- ✓ Personalized dashboard with real-time analysis of the function and performance of all refueling stations in the portfolio
- ✓ Clear presentation of e.g. refuelings, hydrogen deliveries or warning messages with graphics and statistics
- ✓ Direct transmission of error messages and event data to the Maximator Hydrogen Helpdesk
- ✓ Immediate response in case of need and initiation of troubleshooting measures
- ✓ Ad hoc online or on-site service of potential faults – uncomplicated and without loss of time

Concept of maximator.cloud services



Locations



About Maximator Hydrogen

The Maximator Hydrogen GmbH from Nordhausen is a leading supplier and developer of comprehensive system solutions for the entire value chain of hydrogen technologies. With over 170 employees, the company combines unique expertise with the know-how of approximately 700 H₂-relevant patents. As a fast and efficient partner for the planning, construction and operation of hydrogen infrastructures for road, rail and marine transport, Maximator Hydrogen, a company of the Schmidt Kranz Group, offers highly reliable and modern hydrogen refueling stations from a single source. With its high performance, flexibility and speed, Maximator Hydrogen is a central partner for specifically tailored hydrogen solutions for large international companies and corporations.



www.maximator-hydrogen.de

About Hydri

REH₂ becomes Hydri! Same people on the same mission – to create true green mobility.

The Hydri project was initiated in 2017 under the name REH₂. Hydri's purpose is to create a scalable platform for rapid expansion of fossil free infrastructure net to meet the political and market needs for true fossil free mobility in a financially sound way. Hydri facilitates the transition to fossil free mobility through the green hydrogen network. From renewable energy sources the fuel is produced on site at the refueling stations and with a unique collaboration with Sweden's largest truck-stop chain Rasta, The Hydri-network enables the green transition for both light and heavy duty vehicles.

