
Green Hydrogen.

Building tomorrow's energy infrastructure.

Hydrogen will play a major role in the future energy mix. The transition to a green hydrogen industry is currently being driven forward at full speed. Before hydrogen can be used to the desired extent, technical challenges must be resolved.

BORSIG has been a leading supplier of key components for various hydrogen applications for many years. We have decades of experience in developing technology to meet customer requirements in a variety of scales and designs.

Our tailored process solutions for hydrogen include:

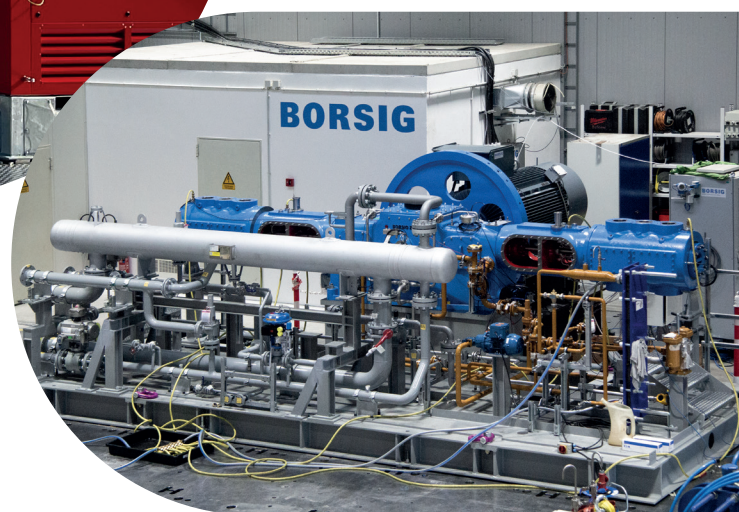
- **customised heat transfer systems for hydrogen and syngas projects**
- **compressors for process gases, CO₂ and hydrogen**
- **compressors for electrolyser projects**
- **membrane systems for hydrogen separation**
- **fuel cell humidifier membranes**

Hydrogen applications of BORSIG technologies:

- production
- storage
- transportation
- refuelling of heavy-duty vehicles
- recovery
- power-to-X, methanisation

BORSIG is the perfect partner for EPCs, operators, and end customers in the transition to a green hydrogen economy.





Some of our references for H₂ applications include:

- transportation
compression of green hydrogen with compressors from BORSIG to supply regional and international pipelines
- storage
use of proven reciprocating compressor Boxer series for storage of green hydrogen, BORSIG as partner and supplier for one of the first cavern storage facilities
- refuelling of heavy-duty vehicles
MegaLyseurPlus (currently in test phase), innovative technical solution for oil-free compression of hydrogen up to a pressure of 450 bar

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**Think.
Create.
Change.**