

H₂



TECHNOLOGY-PARTNER IN
HYDROGEN

HAINZL
SYSTEMS ENGINEERING

ELECTROLYSIS

SYSTEM SOLUTIONS FOR HYDROGEN PRODUCTION

For the sustainable production of hydrogen, HAINZL has developed an innovative container-based electrolysis system.

The HAINZL PEM electrolysis system is the turnkey solution for producing green hydrogen. The modular system enables efficient scalability to the desired size of the customer's project.

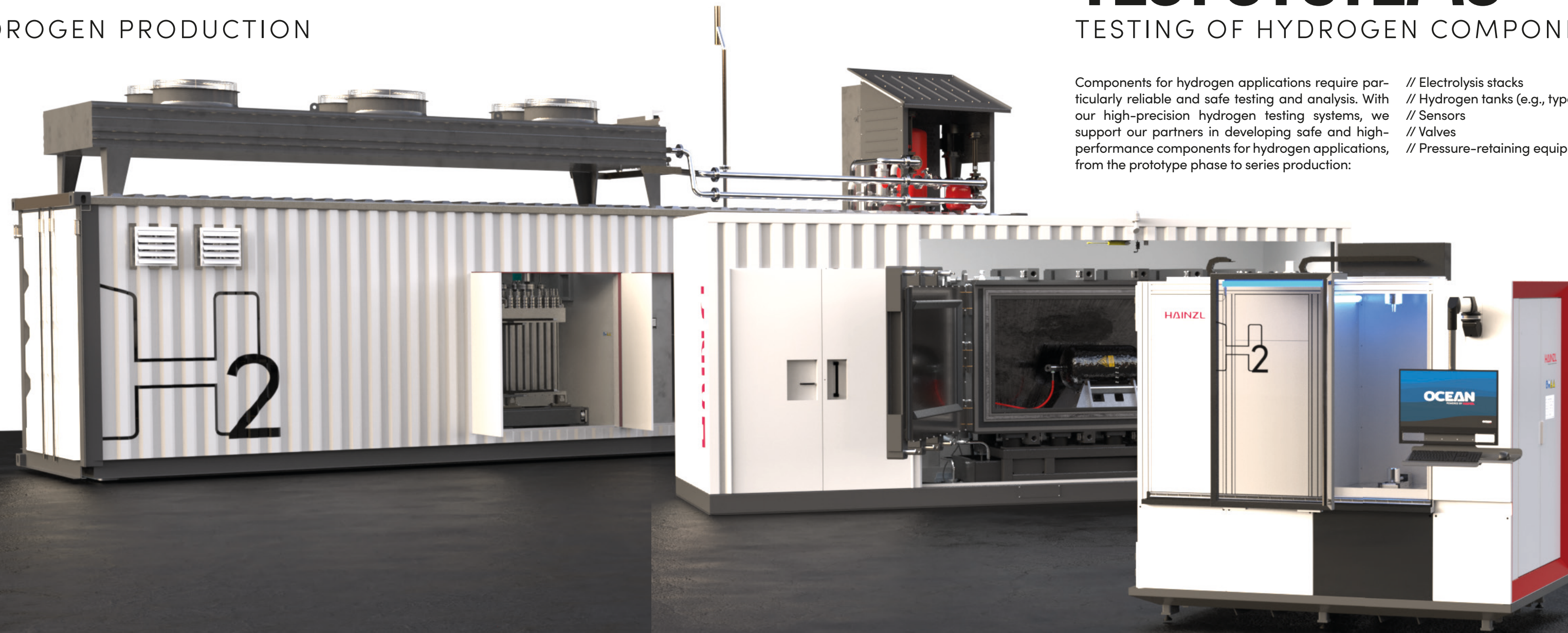
- // Scalable plug-and-play solution from 1 MW output
- // Dynamic operation from 10 to 100%
- // Compact and modular design
- // Flexibility for different applications
- // Independent automatic operation with remote maintenance
- // Optional features:
 - Waste heat extraction
 - Oxygen utilization
 - AEM compatibility

TEST SYSTEMS

TESTING OF HYDROGEN COMPONENTS

Components for hydrogen applications require particularly reliable and safe testing and analysis. With our high-precision hydrogen testing systems, we support our partners in developing safe and high-performance components for hydrogen applications, from the prototype phase to series production:

- // Electrolysis stacks
- // Hydrogen tanks (e.g., type 4)
- // Sensors
- // Valves
- // Pressure-retaining equipment parts



H₂ - INFRASTRUCTURE

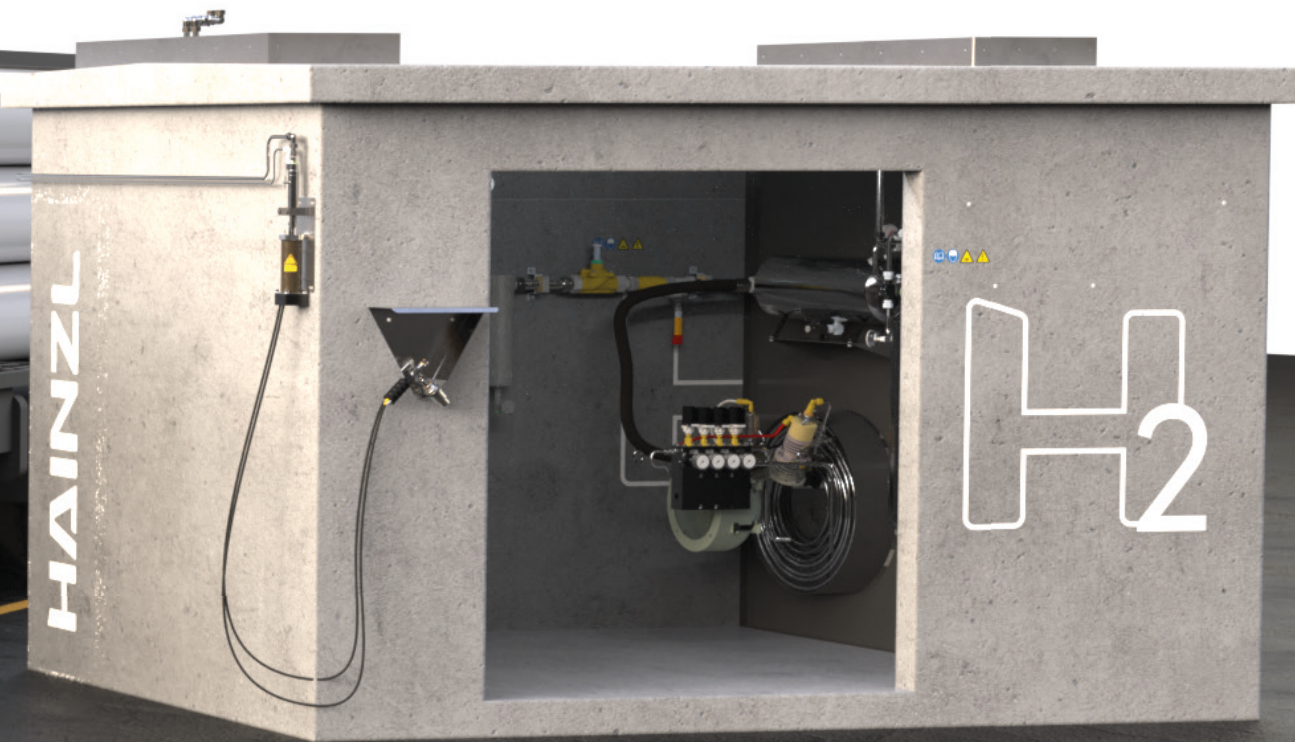
COMPRESSION, STORAGE AND
FILLING OF HYDROGEN

Together with our partners, we develop
efficient and safe hydrogen systems.

We offer system solutions for the compression,
storage, and filling of gaseous hydrogen at pres-
sures of up to 1000 bar. We ensure safe distribu-
tion from the source to the point of use.

Our products:

- // Storage systems pressure
up to 1000 bar
- // H₂-filling stations
(e.g., trailers or cylinders)
- // H₂-refueling stations
(e.g., for commercial vehicles)





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HAINZL
TECHNOLOGY FOR HIGHER STANDARDS