

Hydrogen Solutions for a Sustainable Future

High-Efficiency Electrolyzers & BoP Systems

Cost-Effective, Locally Manufactured,
Globally Compliant

Powering Next-Gen Hydrogen: Ammonia
• Steel • Blending

Optimized Design & Integration Control & Commissioning
Support For Hydrogen

In-house BoP Engg. & Mfg. facility- Rajkot

:: HYCHASER GAS EQUIPMENTS PVT. LTD. ::



:: Germany ::

Klosterwiese 15,
D-85764 Oberschleissheim.

E-mail: chintan@hychaser.com
Phone: +49 89 6930 4333
Mobile: +49 179 798 1942



:: India ::

S/N 89, Hadamtala Ind.,
NH-27, Rajkot - 360311, Gujarat.

E-mail: sales@hychaser.com
Phone: +91 7575 8686 79
Web : www.hychaser.com

ENGINEERING FOR GREEN HYDROGEN

(From Concept to Life-cycle
Support)

- Alkaline Electrolyzer (10-1000Nm³ /hr)
- Gas-Liquid Separation System
- Gas Dryers & Purification System
- Hydrogen Storage System
- Hydrogen Blending & Burner System
- Skid Mounted & Containerized Solution



Low Current Density:
2000-2500 A/m²



Low Heat
Generation



Long
Service Life



99.99999%
Pure H₂



SEC <4.5k
Wh/Nm³



Low Operating
Pressure



About Us

Hychaser Gas and Equipments Pvt. Ltd. integrate advanced water electrolysis technologies (Alkaline), state-of-the-art control systems, and robust safety protocols to ensure high efficiency and cost effective. Our international exposure and collaborative approach position us as a unique partner across the green hydrogen value chain – extending our capabilities from production to end-use applications such as blending technologies, burner systems, and green ammonia solutions.

Our Comprehensive Service Portfolio Includes



Feasibility Studies
& Concept Design



Detailed Engineering
& Manufacturing



Skid-mounted and
Modular H₂ Systems



Site Installation, Integration
& Commissioning



Performance Monitoring,
O&M and Life-cycle Support

:: INSTALLED PILOT ELECTROLYZER PLANT FOR R&D. ::



Products



Exclusive Technology Partnership
for Electrolyser Stack

Current Density: 2000–2500 A/m²

Low Operating Pressure: 16 bar

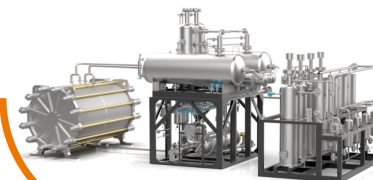
Specific Energy Consumption
(SEC): <4.5 kWh/Nm³

20+ Year Experience

100+ Stack in Operation

Delivered to 10+ Countries

Stack Size: 50KW - 5MW



In-House BoP
Manufacturing Facility

Custom Engineered Solutions
End-to-end Design of Process,
Mechanical and Control Systems Tailored
for Alkaline Electrolyzers.

Optimized Layouts
Compact and Modular BoP Skid Designs for
Easy Integration and Scalability.

Gas & Water Management
Optimized Phase Separators, Purification,
and Recycling Systems.

Safety-First Design
Pressure Relief, Purging, Venting,
and Hydrogen Leak Detection
Integrated as Per International
Standards.



OEM for Electrolyser Stack

Bipolar Plate Manufacturing

Mesh Laser Welding

Nickel Coating

End Plates

Special Studs & Fasteners