Clear the obstacles to producing **pressurized hydrogen**

Core challenges in pressurized hydrogen production

HIGHER CAPEX
High-pressure systems often need extra compression equipment and more space

INCREASED COMPLEXITY
Additional equipment can complicate operations, reducing plant reliability

RISING OPEX
Rotating compression equipment increases operating and maintenance costs

BUSINESS IMPACT: Projects face higher costs, larger footprints, and reduced system reliability –slowing deployment and increasing total cost of ownership.

Ohmium advantage

PRESSURIZED HYDROGEN UP TO 30 BARG

Produce high-pressure hydrogen directly within the same compact footprint

SIMPLIFIED PLANT DESIGN

Reduces or eliminates extra compression stages, improving reliability and ease of integration

COMPREHENSIVE SYSTEM SCOPE

Integrated design with built-in compression minimizes OpEx and enhances overall efficiency

Value Delivered

- **LOWER CAPEX** – Eliminate extra compression systems and associated costs.
- **HIGHER RELIABILITY** – Fewer moving parts reduce maintenance and downtime.
- **STREAMLINED OPERATIONS** – Simplified system architecture accelerates deployment.

RESULT: Produce pressurized hydrogen up to 30 barg efficiently and reliably – reducing total project cost while maximizing performance.

For more information contact us at: info@ohmium.com | ohmium.com