

Generate **high-purity hydrogen** with lower costs

Core challenges in high-purity hydrogen production



MORE TECHNOLOGY COSTS

Additional purification systems drive up CapEx and OpEx



INCREASED COMPLEXITY

Extra purification stages add operational risk and maintenance burden



ADDITIONAL FOOTPRINT

High-purity systems require more equipment and space

BUSINESS IMPACT: Developers face higher costs, larger footprints, and greater design complexity that can reduce project viability and profitability.

Ohmium advantage



99.999%+ (>5N) HYDROGEN PURITY

Generate ultra-high purity directly from the electrolyzer system



SEAMLESS INTEGRATION

Effortless pairing with downstream systems



MINIMAL MODIFICATIONS

High purity H2 delivered in the same footprint without additional equipment

Value Delivered



LOWER CAPEX & OPEX – Reduce purification system costs and ongoing maintenance



GREATER EFFICIENCY – Simplifies purification and improves plant reliability



HIGH-VALUE OUTPUT – Deliver 99.999%+ H2 that meets industrial and mobility standards

RESULT: Ultra-pure hydrogen can be produced cost-effectively within a compact footprint, enhancing project returns and long-term competitiveness.