



Low-Cost Electrolyzers for Large-Scale, Off-Grid Hydrogen Projects

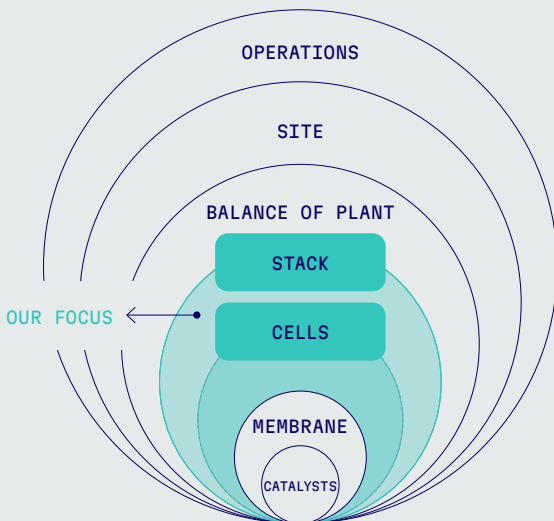
At EVOLOH, we help you secure access to low cost hydrogen for GW-scale projects across the globe through high-throughput manufacturing, local supply chains, and commodity materials.

Introduction and Overview

EVOLOH is the go-to supplier for large-scale Anion Exchange Membrane electrolyzers with 500MW of binding orders to date and more than 30 GW under negotiation.

Founded in 2020 in California, EVOLOH is proudly headquartered in Silicon Valley, California, with a GW-scale factory under construction in Lowell, Massachusetts (USA).

We produce reliable and durable electrolyzer stacks through mature, proven, high throughput roll-to-roll automated manufacturing. This unique feature brings numerous logistical advantages which, added to a secure supply chain results in the lowest Levelized cost of hydrogen (LCOH).



- ✓ We sell stacks.
- ✓ A well-designed stack minimizes the cost of our customer's balance of plant.
- ✓ Our stacks can use any commercially available membrane.



Why choose our Advanced Liquid alkaline electrolyzer stack?

- Earth-abundant materials – No PGMs or PFAS
- No potassium or sodium hydroxide – Buffered for pH > 7
- Compact and lightweight – Low shipping, install costs
- Pressurized hydrogen – Dry cathode like PEM
- Fast response, high turndown – Load follows renewables
- High voltage, low current – Increased stack life
- Robust controllability – Lower power supply costs

A. BENEFITS

- ✓ **LOW-CAPEX**
EVOLOH's stacks are made from low-cost commodity materials, with no use of critical and non sustainable components through a 100% local supply chain. Our stacks allow EVOLOH's customers to take advantage of the full BoP economy of scale as their large GW projects are designed to leverage on an overall capital cost optimization.
- ✓ **SAFETY**
Proven low cross-over of H₂, well below the standard safety requirements.
- ✓ **PRODUCT FOOTPRINT**
Our stacks have the smallest footprint and the highest power density available and are meant to be used in larger projects. This leads to lowering the overall cost of installation and maintenance.
- ✓ **OPERATIONS**
Our stacks are designed to be paired with available power equipments and to be tied to renewables energies when applicable.
- ✓ **RELIABILITY/DURABILITY**
High voltage and low current allow for a high expected lifetime.

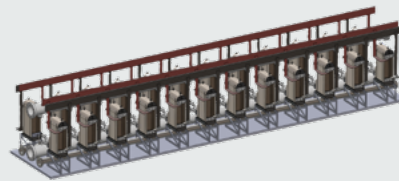
B. PRODUCT LINE

- Create your tailored electrolyzers with: our Nautilus™ 90 (0.5 MW stack) or our Nautilus™ 2100 (12 MW module).

NAUTILUS™ 90
(0.5MW)



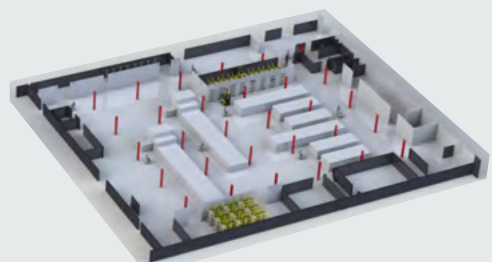
NAUTILUS™ M2100
(12MW)



C. MANUFACTURING INNOVATION

We build the highest throughput electrolyzer stack factories in the world. Design, manufacturing and assembly is at our core.

- Pricing below \$250/kW for 2026-27 deliveries
- <\$100/kW within reach
- MW-scale deployments in 2026
- Gigafactory can be deployed within months



Keep in touch

Contact Us

email: info@evoloh.com

Learn More: www.evoloh.com

