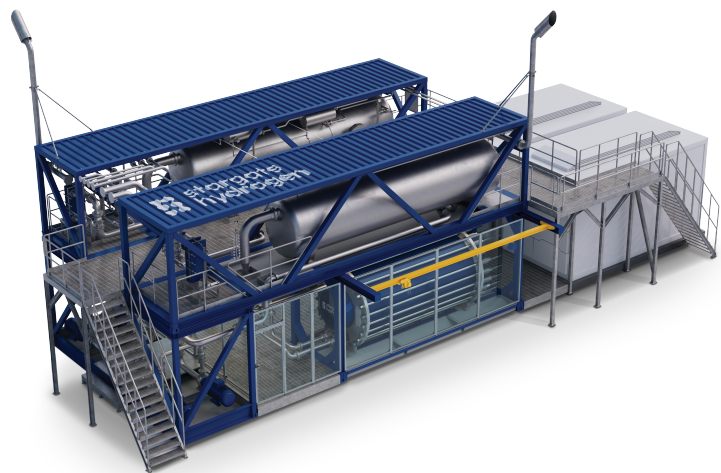


# 10MW Aurora Electrolyser Modular System is Stargate Hydrogen’s biggest module.

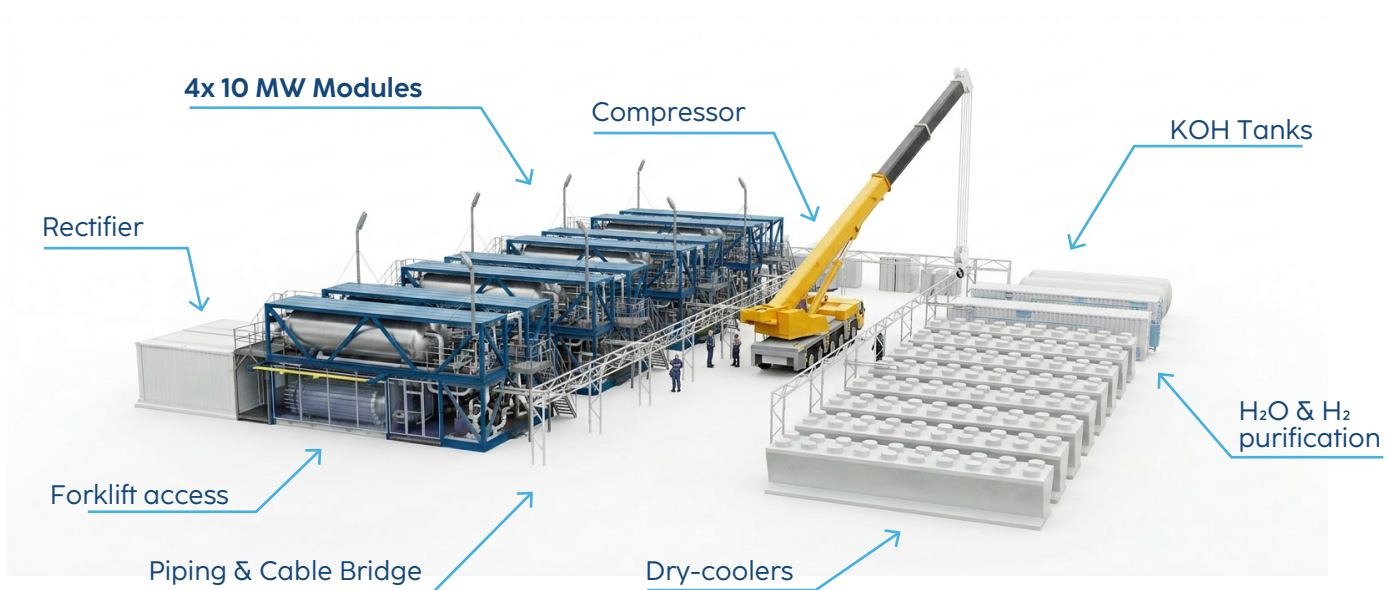
The Aurora is Stargate’s Hydrogen most advanced alkaline electrolysis system, engineered with full outdoor-capability for high-efficiency hydrogen production in **industrial-scale**.

With a compact footprint it achieves one of the **highest power density ratios**. The optimised configuration minimizes BOP complexity and **simplifies layout planning** for containerised or skid-mounted installations.

Its robust enclosures and thermal management solutions allows continuous **operation from sub-zero to high-heat temperatures**, without the need for dedicated building infrastructure.



## 40 MW Cluster



Made in Europe



Built for industries



Energy resilience



Validated by third party



Trusted by clients



Optimised for EPCs

# Technical Specifications

## Single 10 MW Module

**aurora**  
S E R I E S

Hydrogen hourly production rate [Nm <sup>3</sup> /h]	2000
Hydrogen hourly production rate [kg/h]	180
Energy consumption [kWh/kg] *	51
Rated nominal power [kW]	10500
Hydrogen pressure [barg]	12
Hydrogen purity [%] **	99.8
Operating range [%] ***	20 to 110
System footprint [m <sup>2</sup> ]	178
System installation location	Outdoor / Indoor
Ambient temperature range [°C]	-30 to +35
Installed Electrical Power [kVA]	11.5
Electrolyte	30% KOH
System BoS mass - Dry [t]	150
System lifetime [Years]	20
Demineralised Water consumption [L/h]	1800
Waste heat utilisation	Yes

\* Final energy consumption depends on system configuration, site location and project specifications.

\*\* Crossover purity given that all operational conditions are maintained within their respective limits.  
The final dry hydrogen purity depends on the separation and purification systems which are part of the optional Balance of Plant (not included).

\*\*\* The system and the stack can operate at 110% for sustained time if needed.