

Economic green hydrogen projects **today** with

HYPRPlant



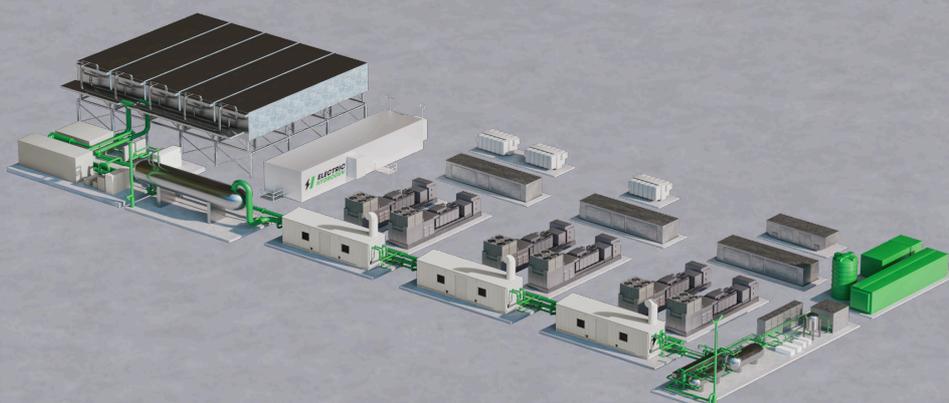
Pictured: A HYPRPlant inside the fabrication facility before shipping to a customer site

HYPRPlant reduces total installed costs by **up to 60%** for green hydrogen projects

Fully integrated electrolyzer plant includes all required subsystems

World's most powerful advanced PEM stacks enable ultra low-cost electrolysis

Standard, pre-engineered design ships ready for swift assembly at the project site



HYPRPlant

Technical Specifications

PERFORMANCE

Plant Electrolysis Capacity	Configurable from 75MW to 120MW
Hydrogen Output Flow	1400 kg/h to 2300 kg/h (34 TPD to 55 TPD)
Hydrogen Output Pressure	30 barg
Hydrogen Purity	> 99.9%
Operational Ramp Rate	1 MW per second
Plant AC Efficiency <i>beginning of life at 20°C and 1atm, inclusive of all balance of plant losses</i>	49 to 54 kWh/kg

PARAMETERS

Plant Area ₁	4,500 m ² (1.1 acre)
Ambient Temperature Range ₂ <i>hot weather plant and cold weather plant configurations available</i>	-20°C to 50°C

INPUTS

Input Power Specification	30 to 34.5 kV AC, 3-phase 50/60 Hz
Maximum Power Requirement	90 MWac to 140 MWac
Water Consumption <i>at peak production for entire plant, inclusive of cooling</i>	22 to 35 m ³ / hr

Codes and Standards (selected):

ISO 22734:2019, NFPA2, NFPA70, CGA G5.5, UL 60079 series, ASME BPVC, Pressure Equipment Directive 2014/68/EU, ATEX Directive 2014/34/EU, IEC/AS60079

¹ Excludes setback and maintenance allocations

² Plant capacity derates linearly above 40°C

Electric Hydrogen is constantly innovating; specifications are subject to change