ELECTRIC HYDROGEN

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

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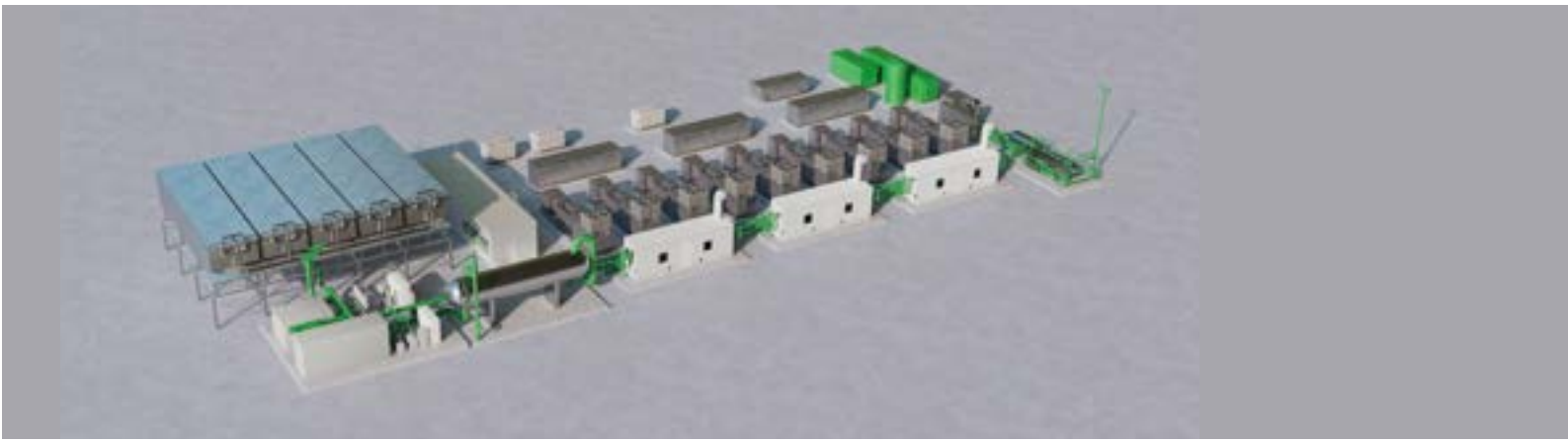

HYPRPlant

Technical Specifications

PERFORMANCE

Plant Electrolysis Capacity	Configurable from 80MW to 120MW
Hydrogen Output Flow *at peak, beginning of life*	1500 kg/h to 2300 kg/h (36 TPD to 55 TPD)
Hydrogen Output Pressure	30 barg
Hydrogen Purity	> 99.9%
Operational Ramp Rate	1 MW per second
Plant AC Efficiency *beginning of life at 20°C and 1atm, inclusive of all balance of plant losses*	51 to 54 kWh/kg

PARAMETERS

Plant Area$_1$	4,500 m^2 (1.1 acre)
Ambient Temperature Range$_2$ *hot weather plant and cold weather plant configurations available*	-20°C to 50°C

INPUTS

Input Power Specification	30 - 34.5 kV AC, 3-phase 50/60 Hz
Total Power Requirement	90 MVA to 130 MVA
Water Consumption *at peak production for entire plant, inclusive of cooling*	15 L/kg H_2

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

Reach out to learn more
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