



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

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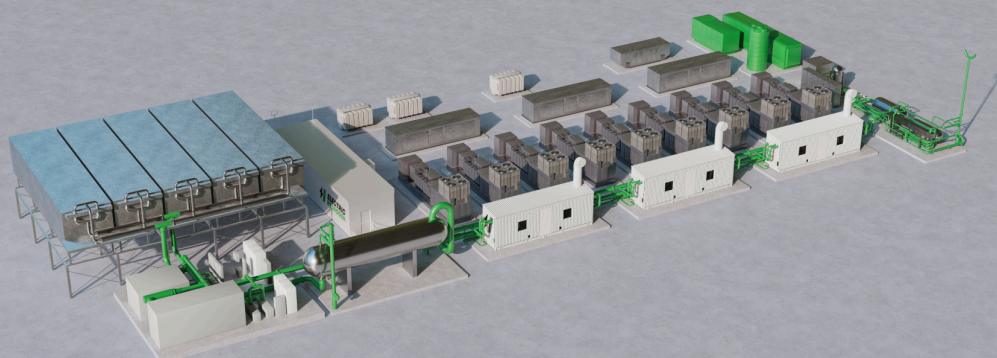
Fully integrated  
electrolyzer plant  
includes all required  
subsystems

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

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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 <sub>1</sub>	4,500 m <sup>2</sup> (1.1 acre)
Ambient Temperature Range <sub>2</sub> <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
Total Power Requirement	90 MVA to 140 MVA
Water Consumption <i>at peak production for entire plant, inclusive of cooling</i>	22 to 35 m <sup>3</sup> / 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

<sup>1</sup> Excludes setback and maintenance allocations

<sup>2</sup> Plant capacity derates linearly above 40°C

Electric Hydrogen is constantly innovating; specifications are subject to change