

Hydrogenics' HyLYZER® 600: Enabling a utility scale renewable hydrogen solution, with the smallest footprint



What can 3MW of power do for your business?

01 PURE HYDROGEN PRODUCTION

1350 kg of clean hydrogen produced each day



280 fuel cell electric vehicle fills per day



30 fuel cell electric bus fills per day



7 Alstom iLint Coradia fuel cell electric train fills per day

02 DECARBONIZED LIQUID FUELS

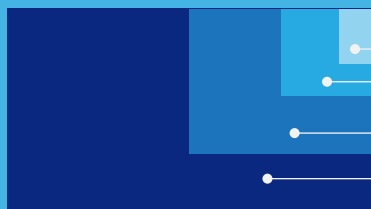
A pathway to the Fuel Quality Directive



4,500 tonnes of CO₂ reduced annually by producing 8 million litres of fuel

03 SMALLEST PLANT FOOTPRINT

Unparalleled efficiency in logistics, siting and installation



Plant Size	Dimensions
5 MW	14m x 9m
25 MW	20m x 25m
100 MW	35m x 50m
300 MW	50m x 100m

Hydrogenics' HyLYZER 600 is the world's first 3MW stack platform.

The compact design, based on our proven PEM technology, enables easy scale up for multi-MW plants, without sacrificing efficiency, response or durability. It also delivers substantially reduced plant size and costs, while improving deployment flexibility for grid balancing, energy storage and fueling applications.

With over 20 megawatts of energy storage plants commissioned and under construction around the globe, **Hydrogenics is the leader in renewable energy solutions.**

04 RENEWABLE NATURAL GAS

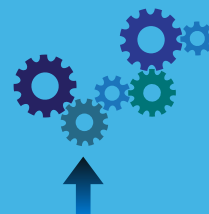
Grid scale energy storage

Hours	Energy Stored	Equivalent to the annual natural gas consumption of
17 hours	130 GJ	1 household.....
100 hours	800 GJ	6 households.....
200 hours	1600 GJ	12 households..

05 COST EFFECTIVE

The most competitive utility scale storage solution

Smallest plant size = lowest capital costs



High efficiency = lowest operating costs

06 HYLYZER 600

Technical Specifications

- **Input Power:** 3.0 MW
- **Hydrogen Production:** 620 Nm³/h (or 1350 kg/day)
- **Output Pressure:** up to 35 bar
- **Stack Efficiency at 3.0 MW:** 75% HHV
2.5 MW: 78% HHV
2.0 MW: 80% HHV
- **Stack Dimensions:** 550 mm x 880 mm x 1150 mm

Learn more:

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