

Who We Are: Proton OnSite

- Manufacturer of hydrogen, nitrogen and purified air generators
 - Over 2,000 systems in 75+ countries
 - Market leader in PEM electrolysis
 - 18 years of product manufacturing experience



Proton's World Headquarters in Wallingford, CT

Proton Product Portfolio

Commercial Products

HOGEN™ Hydrogen Generators



S Series

H Series

C Series



Lab Gas Generators



GC



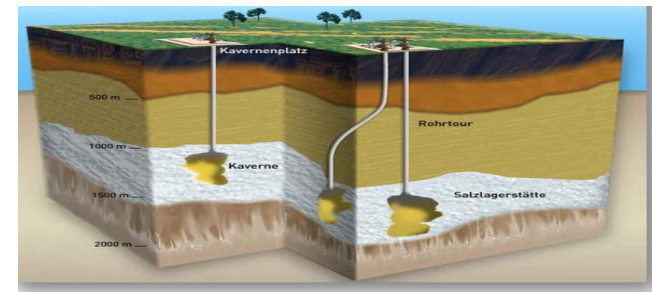
StableFlow
Hydrogen Control
Systems

Emerging Markets

Fueling



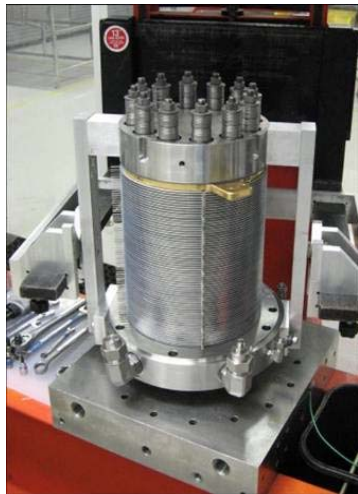
Biogas



Renewable Energy
Storage

PEM Electrolyzer technology has a long history of reliability in critical military applications:

Proton cell stacks provide oxygen on US, UK, French submarine fleets



Proton cell stack



Integrated Low Pressure Electrolyzer

Photo courtesy of Hamilton Sundstrand



Virginia Class Submarine

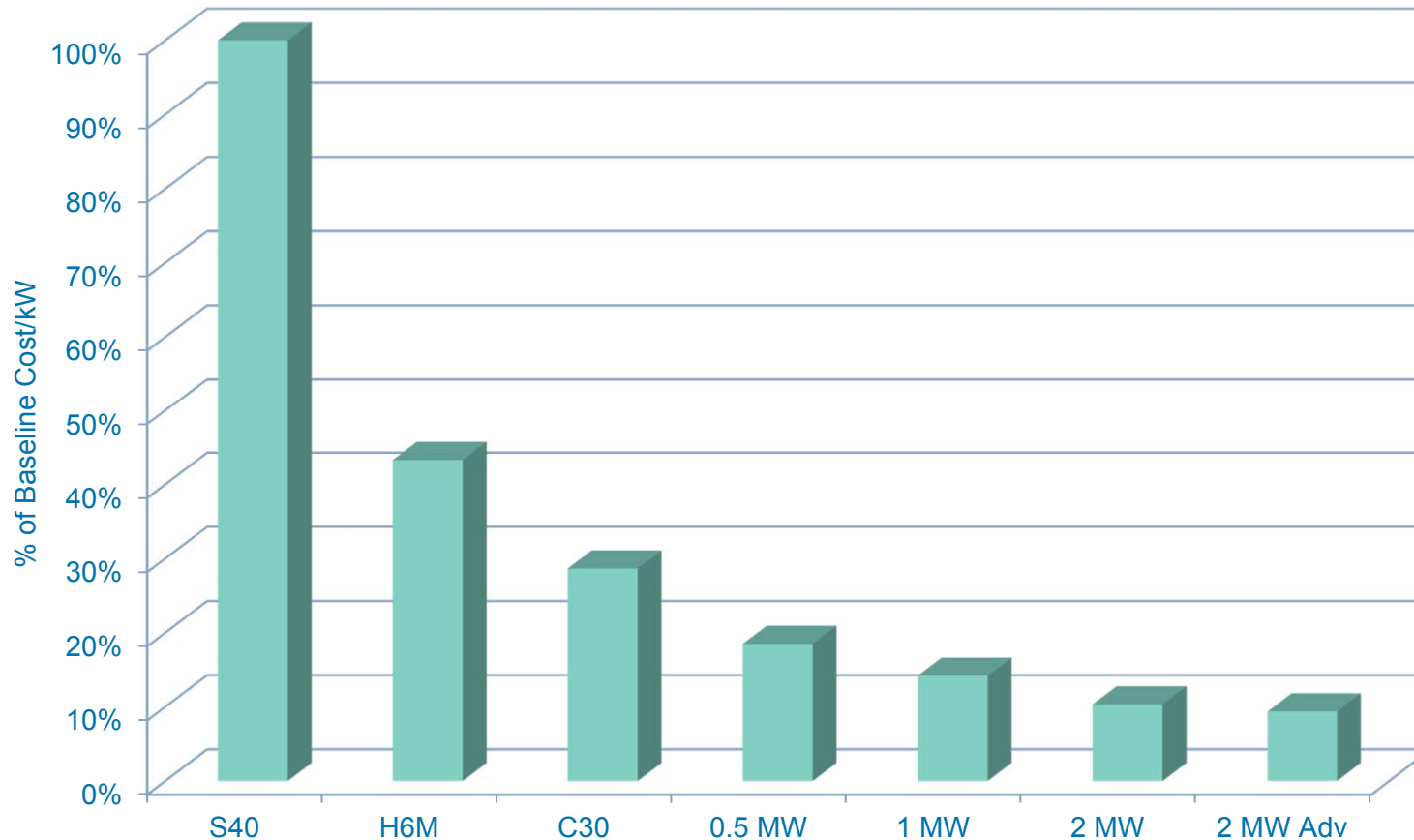
System Scale-up/Cost Reduction Experience

	HOGEN S-Series	HOGEN H-Series	HOGEN C-Series
Product Type			
Product Launch	2000	2003	2010
Cells/stack	10-20	34	65
Stacks/system	1	1-3	1-3
H ₂ Output (Nm ³ /hr)	1.05	6	30
\$/kW vs. S-series	100%	43%	28%

- Demonstrated scale up of >10X
- Resulted in greater than 70% cost reduction

Cost Reduction Trajectory:

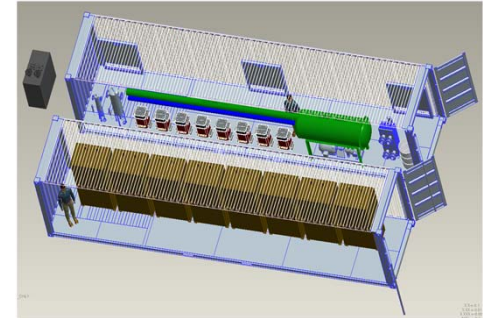
Includes projections for new MW product line



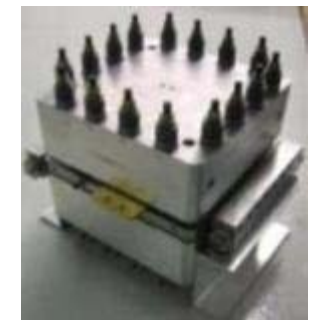
- Straight-forward engineering scale-up of current products
- Critical technology elements already developed

MW Product Overview (M-Series)

- Product size based on input energy capture
- Design approach
 - 1-2 MW packaged system
 - Power supplies, controls, ancillaries sized at multi-MW scale
- Multi-stack modular design approach
- Large active area stack platform
- Open-frame skid in container or building
- Commercial experience validates multi-stack approach
- Initial orders being taken now



MW-scale concept



Large Active Area
PEM Stack