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Intro to Nel and electrolytic hydrogen

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90+ years of experience in electrolyzer technology

- Strong field know-how & manufacturing capacity

- Alkaline electrolysis: established in 1927
 - >800 systems fielded
 - 2 production sites in Norway
 - Herøya plant capacity scalable to 2 GW/year
- PEM electrolysis: established in 1996
 - >2700 systems fielded
 - Production in Wallingford, CT
 - Capacity scalable to ~150 MW/year with current plant footprint
- Hydrogen fueling: established in 2003
 - 50+ stations delivered
 - Production in Herning, Denmark
 - 300 station/year capacity

Manufacturing Sites



Markets have grown as unit scale increases



Analytical Labs



Weather Balloon Filling



Industrial Processes



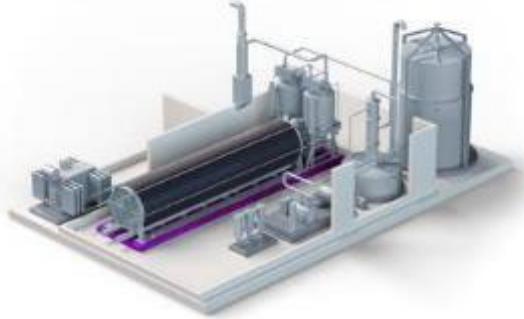
Heavy Duty Vehicle Fueling



Power Plant Cooling

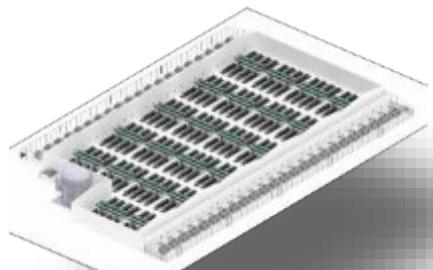


Alkaline product scale



1 electrolyzer (2.2MW)

Built for future expansion up to
any capacity size



176 electrolyzers (~400MW)



PEM product scale

Areas for cost reduction:

- System and power electronics scale: leverage common industries & standards
- Manufacture: automation, volume, labor reduction
 - Higher process capability
 - Higher performance parts
- Material utilization: membrane thickness, catalyst loading
- Higher current density: less cells needed for capacity rating



M Series

1.25-2.5 MW soluti



Larger Installations

5-25 MW solution

