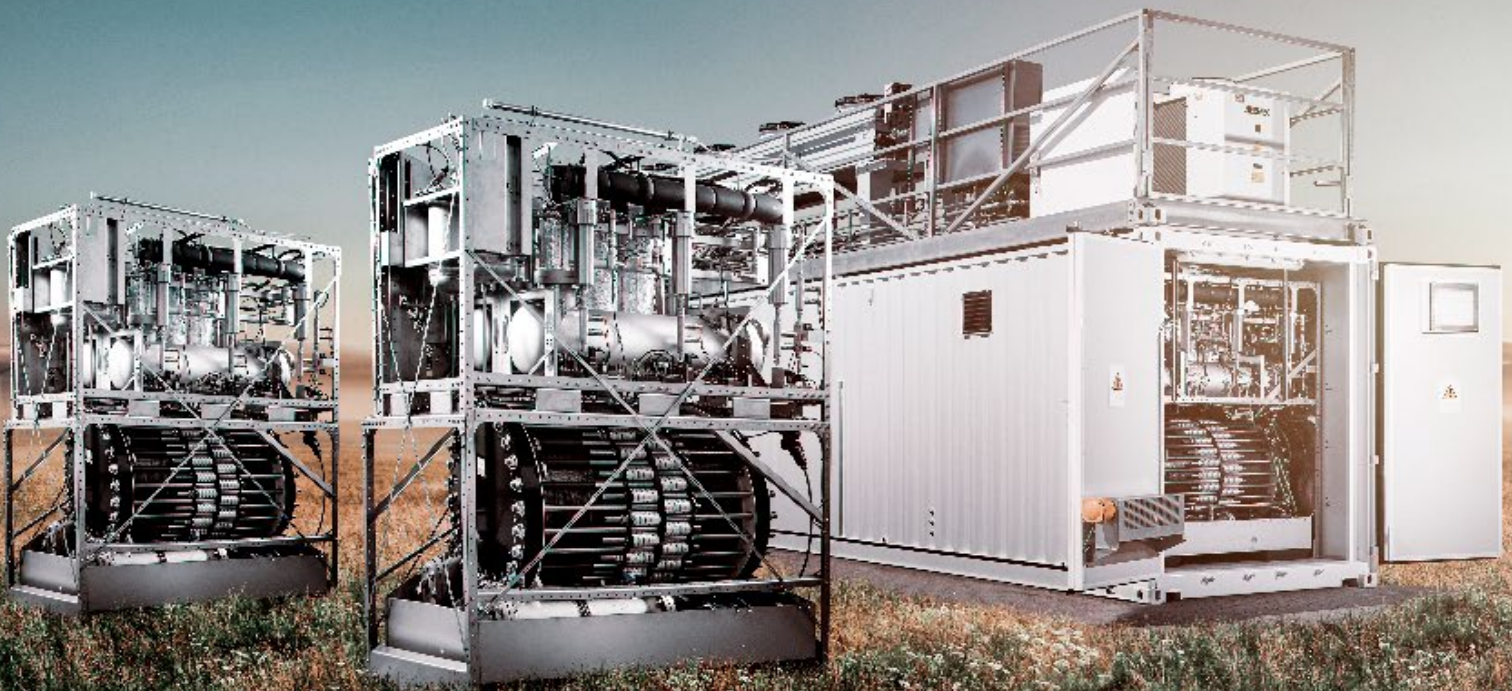


Green hydrogen production for every scale & purpose



Leading provider of **electrolysis equipment** ■

Green Hydrogen Systems is a leading provider of standardised and modular electrolysis equipment for the production of green hydrogen solely based on renewable energy.

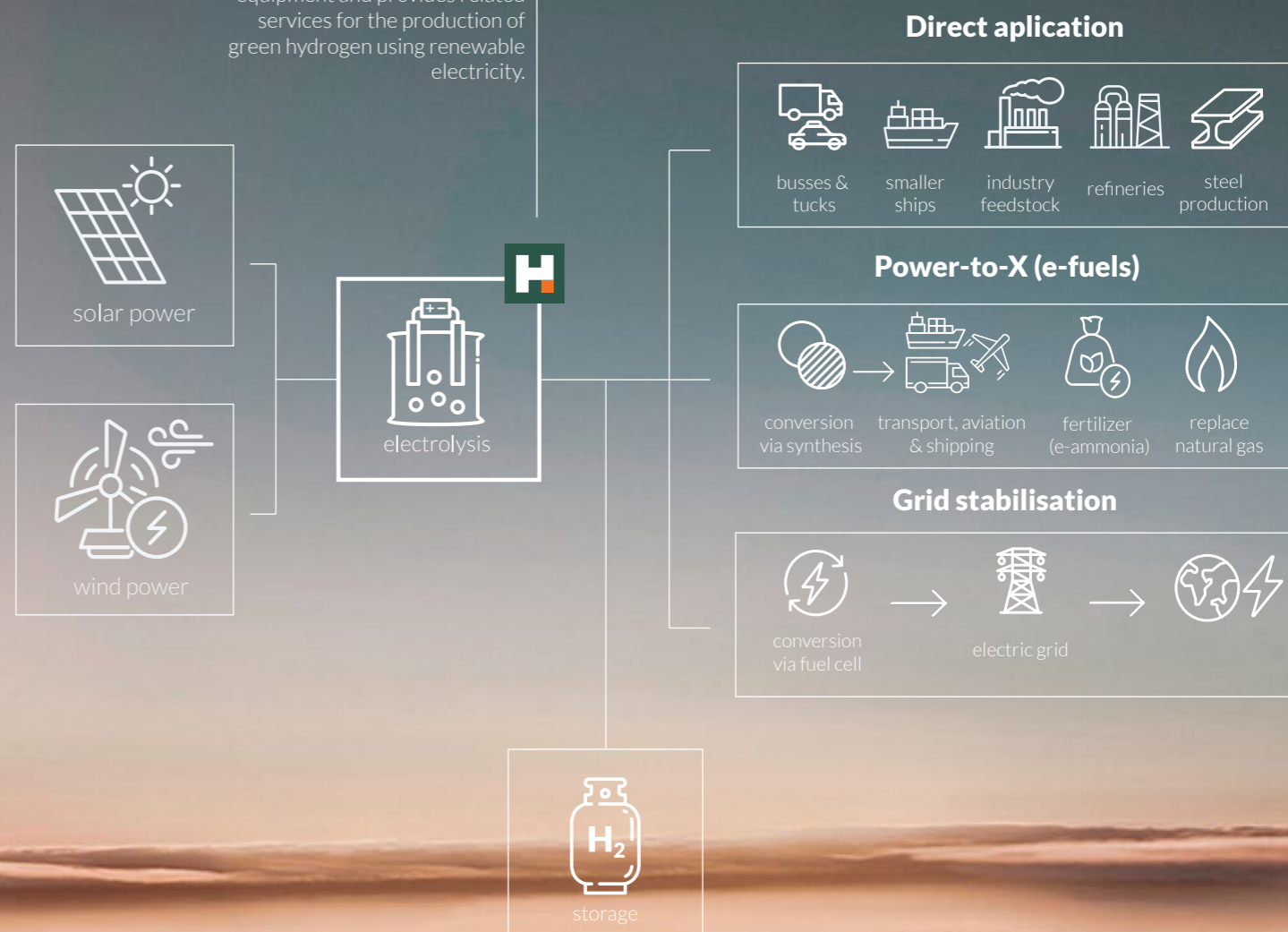
Green hydrogen provides the critical link between renewable electricity generation and hard-to-abate sectors such as industry, heavy transport and buildings. With its wide range of possible applications, green hydrogen plays a key role in the ongoing fundamental shift in our energy systems towards a net-zero emission society in 2050. As a result, the demand for green hydrogen is surging, requiring a significant scale-up of electrolysis capacity.

Our technology enables onsite production of green hydrogen and an energy supply system solely based on renewable energy. We are committed to helping customers decarbonise their operations and decrease dependence on fossil fuels.



Our role in the **value chain**

Green Hydrogen Systems is an original equipment manufacturer of pressurised alkaline electrolysis equipment and provides related services for the production of green hydrogen using renewable electricity.



One of the **most efficient** electrolyzers **on the market**

Electrolysis solution for every scale ■

Our standardised electrolyzers are based on a modular design, and each module can be used as a stand-alone electrolyser or combined in clusters for larger multi-MW and GW applications.

We have explored different technologies and have decided to fully prioritise pressurised alkaline electrolysis as our core technology, which is well-positioned in terms of reliability, efficiency and physical footprint.

Mature Technology & Durability

Based on commercially proven pressurised alkaline technology.



Modularity

Suited for rapid scale-up, clustered solutions and serial production.



High Efficiency

Competitive energy to hydrogen conversion.



Dynamic Operations

Designed to operate handle variable loads from renewable energy.



Small Footprint

Compact modular design increasing number of applications.



High Output Pressure

30 bar hydrogen output pressure.



High Durability

Expected service life time of + 100 000 operational hours.



Sustainable Process

Independent from scarce and price sensitive materials.

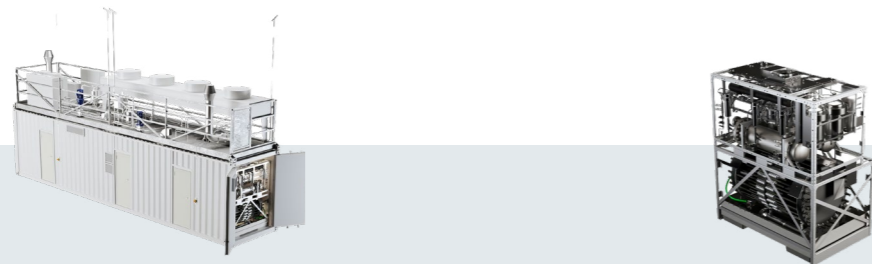


Versatility

Flexible and suitable for many different market segments.



Current HyProvide® A-Series ■



Available in standardised, modular configurations for maximum efficiency, versatility and scalability, this next-generation technology makes the A-Series one of the most efficient alkaline electrolysers on the market. The unit is designed from the ground up to accommodate the input fluctuations that come with renewable energy sources. Its versatile design allows for application across many different market segments for green hydrogen production fully prioritise pressurised alkaline electrolysis as our core technology, which is well-positioned in terms of reliability, efficiency and physical footprint.

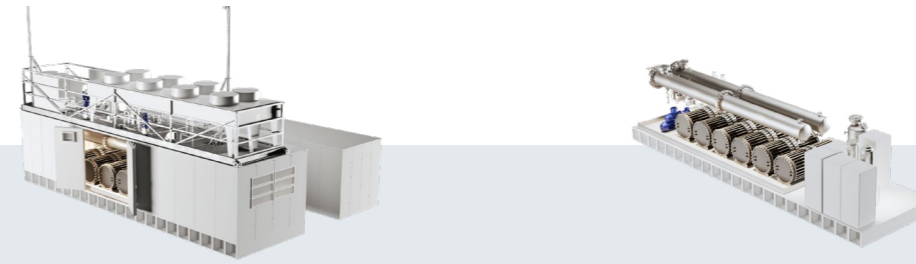


Example of an A-Series site configuration of 3 MW

↗ 300 m² H₂ 1152 kg/24h

For projects
up to **6MW**

Upcoming HyProvide® X-Series ■



The X-Series is based on the existing well-proven technology, optimised for use in the growing market for large-scale applications in, for example, industry, energy and heavy-duty transport sectors. Its unique multi-stack concept with power consumption of approx. 6MW allows the electrolyser to reach higher voltages crucial to utilise mass-produced, low-cost and high-efficiency power electronics from wind and solar markets. The X-Series will drive costs down for the production of hydrogen (LCOH) through increased system efficiency, serial production and a number of cost-out initiatives.



Example of an X-Series site configuration of 24 MW

↗ 1080 m² H₂ 10 320kg/24h

For projects
above **6MW**
and beyond
100 MW



■ Safety & Efficiency

All modules are extensively tested at our factory in Denmark before being shipped to the customer. This approach allows for the highest quality, safety and rapid deployment on-site.

used in



shipping



transport



aviation



trains



eco village



e-fuels

Partnership built on expertise & innovation ■

Partnerships are at the heart of what we do. Accelerating the global energy transition requires close collaborations across the whole value chain. Our technology is already in use in several places in Europe, where we are helping our customers to achieve independence from fossil fuels and designing the energy solutions for the future.

Lowest levelised cost of hydrogen

Our mission is to bring the levelised cost of hydrogen down to the cost-parity with fossil fuels and ensure the best total cost of ownership for our customers.



Value Engineering

Our experts analyse every project individually and make sure the best product, site and system configuration to ensure highest possible value for our customers.



Partnership for the future

We strive to be on the forefront of the ongoing energy transition and develop future-proof technology. By partnering with us you get unmatched equipment to support your hydrogen ambitions.



Long-term performance guarantees

Delivering business case certainty and lifetime asset optimisation by providing global service solutions & building data infrastructure as an enabler for performance guarantees.



Global **service solutions** adjusted to your needs

- Installation & commissioning
- Remote monitoring & support
- Performance guarantees
- Advanced asset analytics
- Spare parts
- Training



Rapid growth

Green Hydrogen Systems has grown from 20 employees in 2020 to over 200 employees today and we expect to continue to grow our team as part of our planned scaling initiatives. Currently, we are in the process of expanding our production and administration facilities. The new facilities will increase the current yearly capacity from 75 MW to 400 MW worth of electrolysers.

Ongoing Expansion to up to 400 MW

possibility for further expansion of up to 1000 MW of annual electrolyser production



Located in Denmark



+ 200 employees

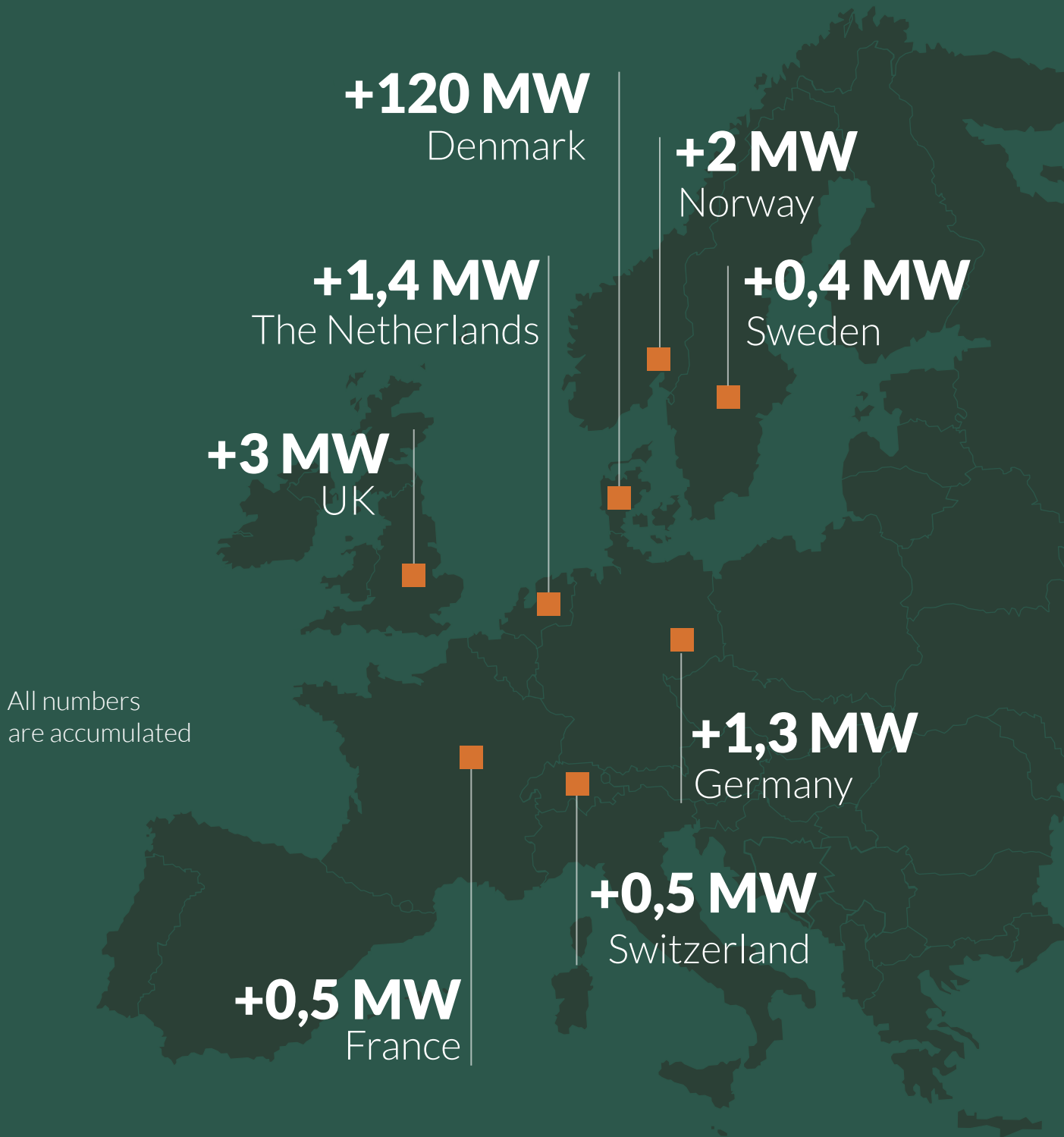


Founded in 2007



Nasdaq Copenhagen

Green Hydrogen Systems Future and ongoing projects in Europe



All numbers
are accumulated