

Decarbonise Today. Unlock the Future with Hydrogen.

ST Engineering Energy Solutions brings to the table the next frontier in hydrogen production. We support you end-to-end in implementing hydrogen projects – from planning to commissioning – benefiting from our alkaline electrolysis technology – modular, reliable and cost-efficient.

We enable you to grow with your operations into a greener future.

HubGen 1000
The All-in-One Solution

The Game-Changer with Hydrogen Production

Safe and reliable operation is essential for the success of your project. That is why we have engineered HubGen from ground up, incorporating decades of learning experience in the sector. And that is what sets us apart.

With one of the most experienced teams in the industry, we drive technological advancements for you. Our design philosophies take advantage of standardisation principles and industrial best practices to ensure smooth operation for both the electrolyser and your existing processes, saving you time and costs.

We know how to harness the power of data to optimise system operations and have built intelligent monitoring algorithms to maintain maximum system uptime. Protected by robust cyber security systems, we empower customers to keep operations reliable and stable.



Efficient

High system efficiency of 57 kWh/kg H₂ and high-pressure output of 30 bar, reducing total operating cost (TCO)



Plug & produce

Modular, compact system for rapid project execution – maximum standardisation for an accelerated approval process



Safe & stable

Designed for maximum reliability, using only proven components. CE certified in accordance with relevant EU directives and standards



Smart & secure

Data-driven, intelligent monitoring for highly efficient system operation – protected by robust cyber security systems



Available

Standardised design based on existing supply chains. Custom-engineered power electronics



All-in-One & scalable

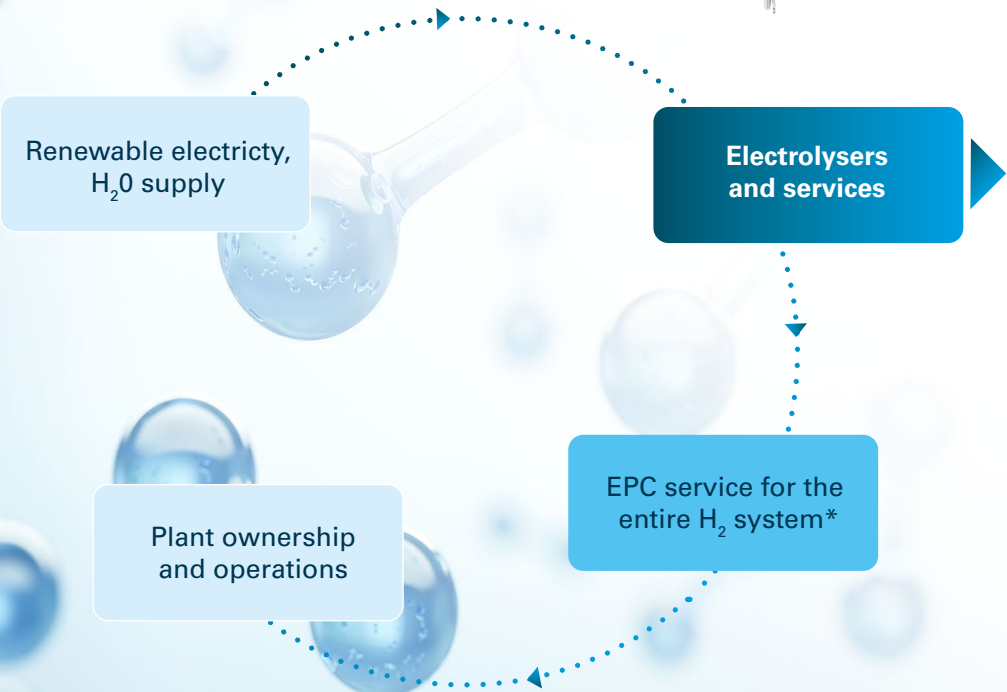
1-MW of power in minimal space – no additional buildings or support systems required. Externally accessible components for easy maintenance

Your Trusted Partner for Electrolyser Solutions



HubGen 1000:

Ready for dynamic operations, designed for lowest LCOH



*Partnership

1.

Technical Support

We guide you through the technical feasibility-assessment, integration into your systems, and hands-on training for the optimal operation of your electrolyser.

3.

End-to-End Implementation

From concept to real-world operations: We are your trusted partner for the delivery and implementation of electrolysers.

2.

Simple Digitalisation

With us, you'll operate your electrolyser using intelligent AI solutions and remote monitoring for maximum uptime. All secured by robust cyber security systems.

4.

Smart Maintenance

Local expertise meets remote solutions, ensuring your operations run as reliably and smoothly as a Swiss watch.

About

ST Engineering Energy Solutions GmbH is shaping technological leadership in the global hydrogen economy. Located in Germany, we pride ourselves by understanding the various pain points across industries and deliver what our partners and customers truly need in their energy transition.

As a wholly owned subsidiary of global technology group, ST Engineering, our deep international expertise across diverse disciplines enables us to tailor and broaden solutions that enable a more sustainable and energy secure world.

With a rich heritage of more than 50 years, ST Engineering harnesses technology and innovation to solve real-world problems. Headquartered in Singapore, the Group has operations spanning Asia, Europe, the Middle East and the U.S., serving customers in more than 100 countries.

Stay tuned!
Explore our portfolio and advancements
beyond 1-MW capacity. Visit:

www.hubgen-solutions.com

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