

# H2 Core AG: Global Supplier of Turnkey Hydrogen Solutions



The H2 Core Group develops, manufactures, and maintains modular configurable complete systems for the production, storage, and utilization of green hydrogen. These plug-and-play systems can be deployed rapidly at almost any location worldwide. H2 Core's solutions are scalable and designed for the future, allowing for customization to meet individual customer needs and incorporating technological innovations as they arise.

H2 Core provides the expertise and products based on reliable in-house developments for the implementation and successful establishment of hydrogen-based core systems in the energy transition. This enables the company to make a significant immediate contribution to a sustainable and resource-efficient energy supply worldwide. H2 Core relies on close collaboration within a global partner network, facilitating a rapid global rollout of hydrogen-based energy systems.

## H2 Core at a glance

### Data and Facts

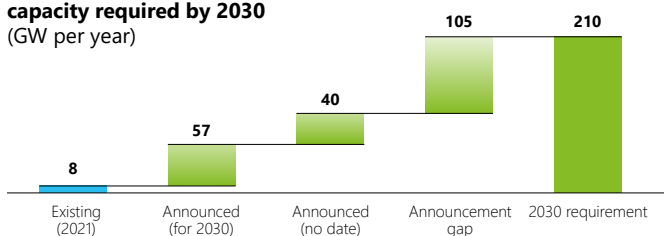
- Founded as a spin-off from an established company in fluid system technology (hydraulics and pneumatics) in 2020, with over 35 years of experience in gas and liquid applications
- Currently around 40 employees
- Facility located in Heide, Schleswig-Holstein, and an office in Indonesia
- Additional partner locations in Uruguay, Ecuador, India, and the USA
- Successfully implemented over 200 systems in more than 40 countries worldwide
- First hydrogen integrator listed in Germany

### Technology

- Proprietary complete systems for hydrogen production
- Modular design provides flexibility for various applications
- Long-term partnerships with leading companies in the hydrogen sector
- Focus on systems with a capacity of up to 5 MW
- Standardized complete solutions for end customers across various sectors, including energy storage, gas combustion, refueling, off-grid and backup power systems, and more
- Implementation partner for EPC companies (Engineering, Procurement, and Construction)
- Cloud-based energy management allows for remote monitoring and control of systems anytime, anywhere

## Significant expansion of global electrolyzer production capacity (GW per year) is required.

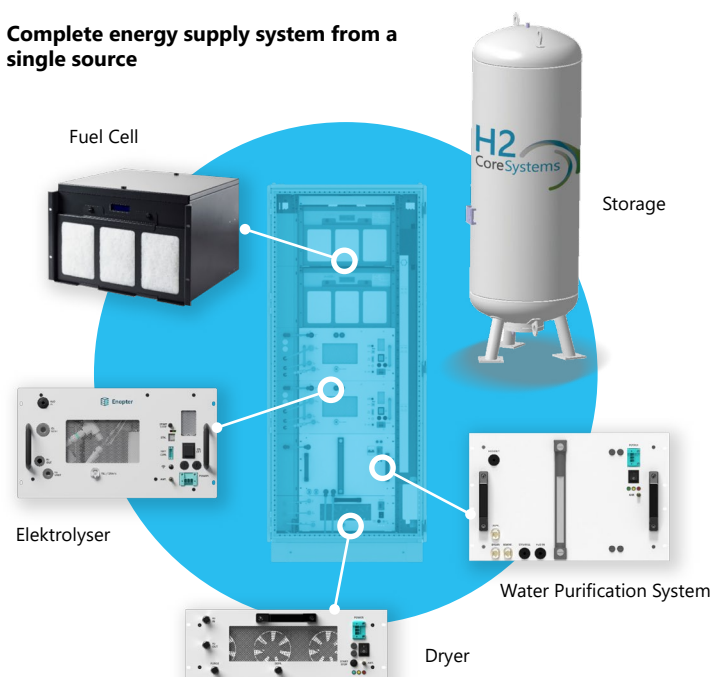
**Global electrolyzer manufacturer capacity required by 2030**  
(GW per year)



Source: Deloitte analysis based on International Energy Agency; the 2030 requirement is a low estimate based on linear deployment in the coming decade.

- Global electrolyzer production capacity is expected to increase more than 25-fold to over 200 GW per year by 2030 to achieve climate neutrality targets for green hydrogen.
- Efficient storage of surplus: Global PV production capacity should rise from 250 GW per year (in 2021) to 800 GW per year by 2030.

### Complete energy supply system from a single source



# More than 200 systems successfully implemented in over 40 countries worldwide



**Sesame Solar, USA**  
Autarke Energieversorgung im Katastrophenfall mittels mobiler Notstromerzeugung über Solarpanels / H2



**H2Sys, France**  
Indoor-Wasserstoffanlage für extrem reinen Wasserstoff zur Produktion und Testung von Brennstoffzellen



**UFRJ Coppetec, Brazil**  
Solarbetriebene Wasserstoff-Betankungsanlage

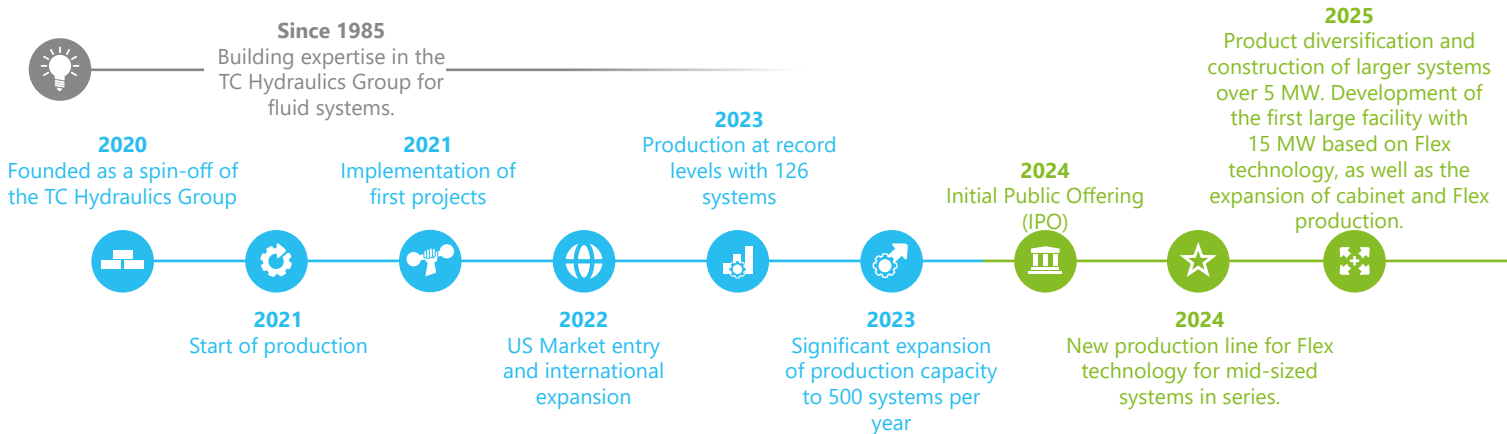


**EGAT, Thailand**  
Wasserstoff-Schulungszentrum: Komplettanlage für Wasserstoffproduktion und -speicherung



● Plant ● Offices ● Partnerhub ● Project

## Milestones



## Management

**Ulf Jörgensen**  
Executive Board  
CEO and Founder

**Christian von Volkmann**  
Executive Board  
Finance

**Ralf Hussner**  
Procurator H2 Core Systems GmbH,  
COO

**Erik Patzer**  
CSO

## Financials

**Current order backlog for 2024/2025\***

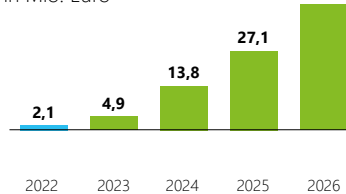
**18**  
Million €

**Current Sales Pipeline\***

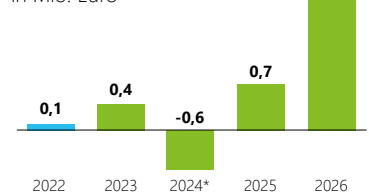
**34**  
Million €

\* As of 12/2023

**Revenue**  
in Mio. Euro

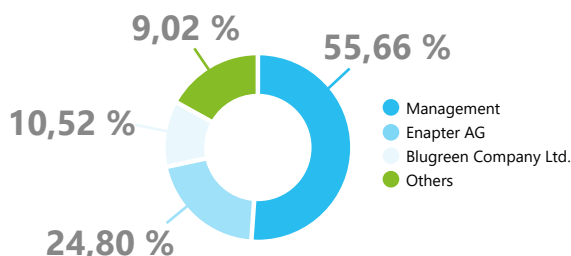


**EBIT**  
in Mio. Euro



■ IST ■ External estimate \* Includes expenses for the initial public offering (IPO)

## Ownership structure



## Share information

Name:	H2 Core AG
ISIN/WKN:	DE000A4BGF89 / A0H1GY2
Segment:	Regulated market
Stock Exchange:	Hanseatische Wertpapierbörse Hamburg
Number of shares (as of July 25, 2024)	11.825.326,00