

VNZ Insights' 2025 Green Hydrogen Round-up

Jan 2026



Amish

Amish.A@varkaconsulting.com

2025 Green Hydrogen Round-up

Major Green Hydrogen Policy & Regulation Updates

POLICY & REGULATIONS

2025 ROUND-UP

Global green hydrogen key updates on policy and auctions during 2025

EUROPEAN COMMISSION

Awarded **1 bn USD** funding to 15 projects of 2.3 GW through IF 24 auction; 10 projects invited from the reserve list as **7 winning projects pulled-out**
Launched **~1.5 bn USD IF25 Hydrogen Bank Auctions**

NETHERLANDS

Awarded **~1.4 bn USD** to 12 green hydrogen projects with **702 MW** electrolysis capacity through OWE Subsidy and SDE++ programs

GERMANY

Through H2 Global, announced CfD auctions to allocate **2.7 bn USD** funding in **regional lot** and **0.6 bn USD** in **global lot** with Netherlands

POLAND

Allocated **~0.58 bn USD** funding to **5 companies** to develop projects of 343 MW electrolysis capacity

AUSTRIA

Awarded **0.32 bn USD** to 4 green hydrogen projects

CANADA

Announced **0.4 bn USD CfD auction** with Germany to produce hydrogen and derivatives to ship to Europe

US

US Senate **extends 45V** clean hydrogen **tax credit** eligibility by two years to the end of 2027.

CHILE

Announced **2.8 bn USD tax credit scheme** to drive green hydrogen ecosystem towards 2030

SPAIN

Allocated **~2.6 bn USD** funding to 20+ projects through multiple programs – Valleys, AaaS, NextGenEU and RePowerEU

Approved **0.45 bn USD funds for Auctions-as-a-Service** scheme of IF25 auction

OMAN

Announced **3rd HYDROM auction** to allocate 300 km² of land for green hydrogen projects

CHINA

Announced **Green Low-carbon Advanced Technology Demonstration** program for State-Owned Enterprises to support green hydrogen value-chain development

INDIA

SECI, state agency, awarded **724 kTPA** volume of green ammonia to 13 developers in reverse auction
SECI's awarded **258 mnUSD** to nine companies for **450 ktpa** production in India through green hydrogen auction

AUSTRALIA

ARENA allocated **0.8 bn USD** to 2 hydrogen projects of **~1.5 GW** capacity as winners of Hydrogen Head-start Program 1
ARENA launched **2nd round of Hydrogen Head-start** program with **~1.3 bn USD funding**

2025 Green Hydrogen Round-up

Major Green Hydrogen Projects Commissioned

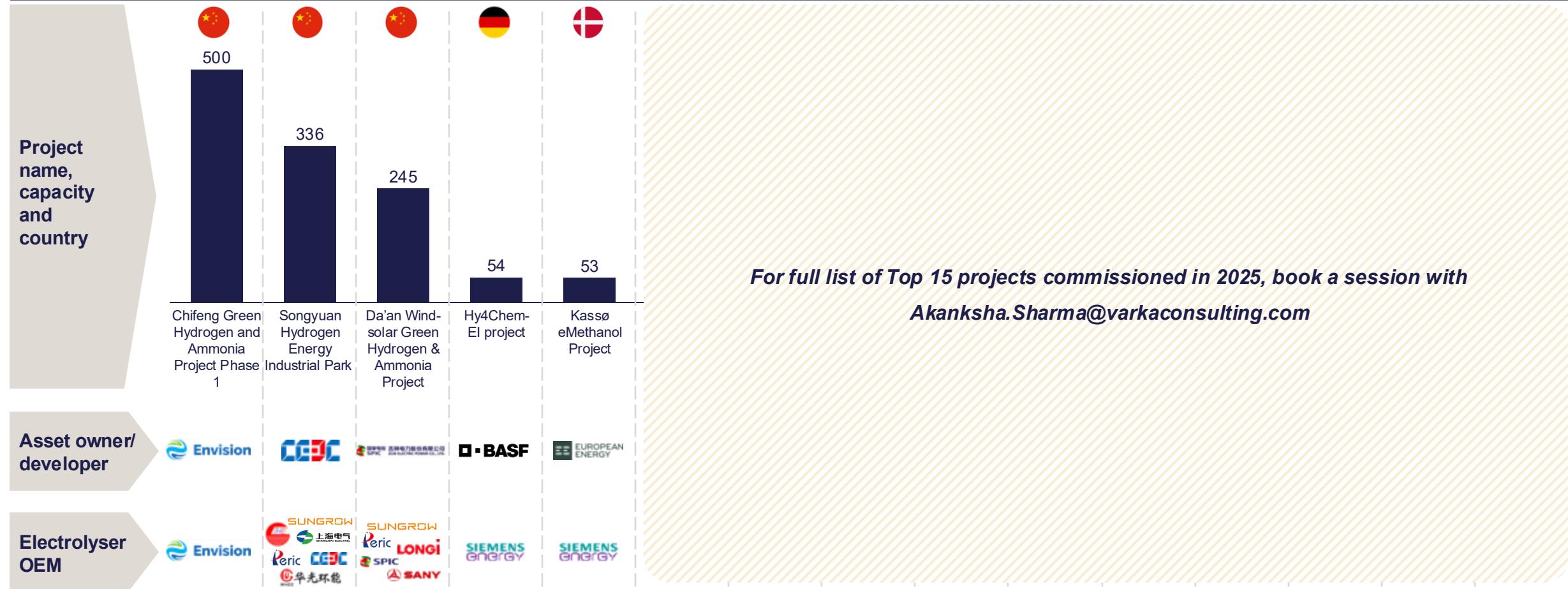
PROJECT COMMISSIONED

2025 ROUND-UP

Overview of major green hydrogen projects commissioned¹ globally in 2025

MW

Project ELY Capacity



For full list of Top 15 projects commissioned in 2025, book a session with
Akanksha.Sharma@varkaconsulting.com

Note: ELY – Electrolyser; 1) Commissioned projects list is based on publicly announced news by electrolyser OEMs, asset developers and other value chain players

³ Source: VNZ Electrolyser Delivered Database; VNZ Insights analysis

VNZ insights[®]

2025 Green Hydrogen Round-up

Major Electrolyser Orders Awarded

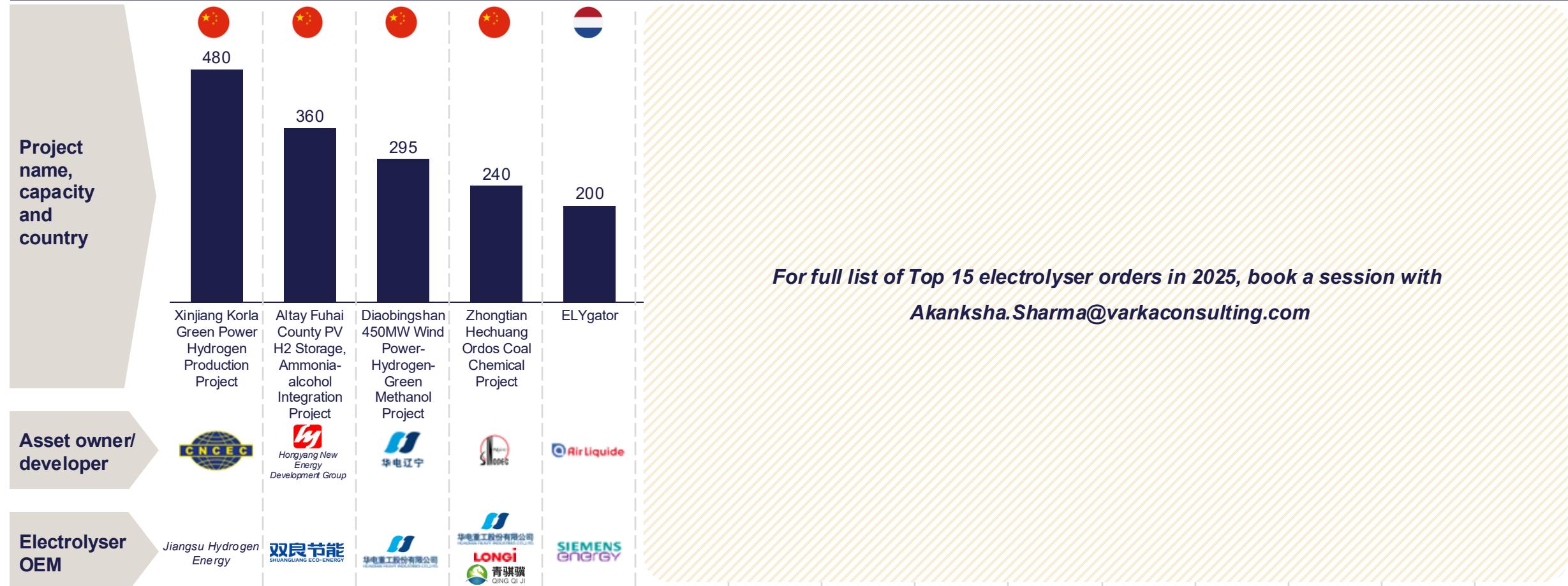
PROJECT COMMISSIONED

2025 ROUND-UP

Overview of major green hydrogen projects awarded firm electrolyser orders¹ in 2025

MW

Project ELY Capacity



For full list of Top 15 electrolyser orders in 2025, book a session with
Akanksha.Sharma@varkaconsulting.com

Note: ELY – Electrolyser; 1) Orderbook is based on publicly announced news by electrolyser OEMs, asset developers and other value chain players

4 Source: VNZ Electrolyser Orderbook Database; VNZ Insights analysis

VNZ insights[®]

2025 Green Hydrogen Round-up

Electrolyser OEMs Strategic Initiatives

ELY OEMs STRATEGIC INITIATIVES

2025 ROUND-UP

1

thyssenkrupp nucera **acquired** Green Hydrogen Systems **PAWE technology assets** of including intellectual property and test facility in Denmark



2

John Cockerill Hydrogen **acquired** Mcphy's key assets including **Belfort gigafactory, technology** and **intellectual property**



McPhy

3

ITM Power launched **subsidiary Hydro-Pulse**, which will focus on build, own, and operate green hydrogen plants using ITM electrolyser technology



ITM POWER HYDROPULSE

4

Leading electrolyser OEMs globally **introduced** **standardized green hydrogen plant solutions** with project size targeting 50MW+



ITM POWER

5

Topsoe **inaugurated SOEC manufacturing facility** with 500 MW annual capacity in Herning, Denmark

TOPSOE

6

Nel Hydrogen took **FID to begin construction** on up to 1 GW of production capacity for **PAWE technology platform** in the Herøya facility, Norway.



7

Hygreen Energy signed an **agreement** with Bosch to **integrate Bosch's Hybrion PEM stacks** into Hygreen's **PEM systems** offerings globally.



BOSCH



8

Envision Energy announced plans to **supply hydrogen and ammonia technology** for Brazil's zero-carbon industrial park



9

Thermax **secured technology licensing rights** to manufacture electrolyser based on HydrogenPro's PAWE technology



10

Electric Hydrogen **partnered with Ingeteam** to supply **rectifier systems** for its 100 MW plant solutions for **projects in Europe**



Note: ELY – Electrolyser; PAWE – Pressurised Alkaline Water Electrolysis, PEM – Proton Exchange Membrane, SOEC - Solid Oxide Electrolyzer Cell, OEM – Original Equipment Manufacturer, FID – Final Investment Decision

5 Source: VNZ Electrolyser Orderbook Database; VNZ Insights analysis

VNZ insights®

Disclaimer and All Rights Reserved

VARKA Net Zero Advisory Private Limited (“VARKA”) reserves all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in part – is forbidden without prior written consent of VARKA. We reserve the right to make changes or modify the contents of this document without prior notification. VARKA does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

© Copyright 2026. VARKA Net Zero Advisory Private Limited. All rights reserved.

For more details on our offerings in hydrogen



Visit VNZInsights.com



Check [HyPrism™](#)



Check [LinkedIn](#)



VNZinsights[®]