

VNZ Insights' 2025 Green Hydrogen Round-up

Jan 2026



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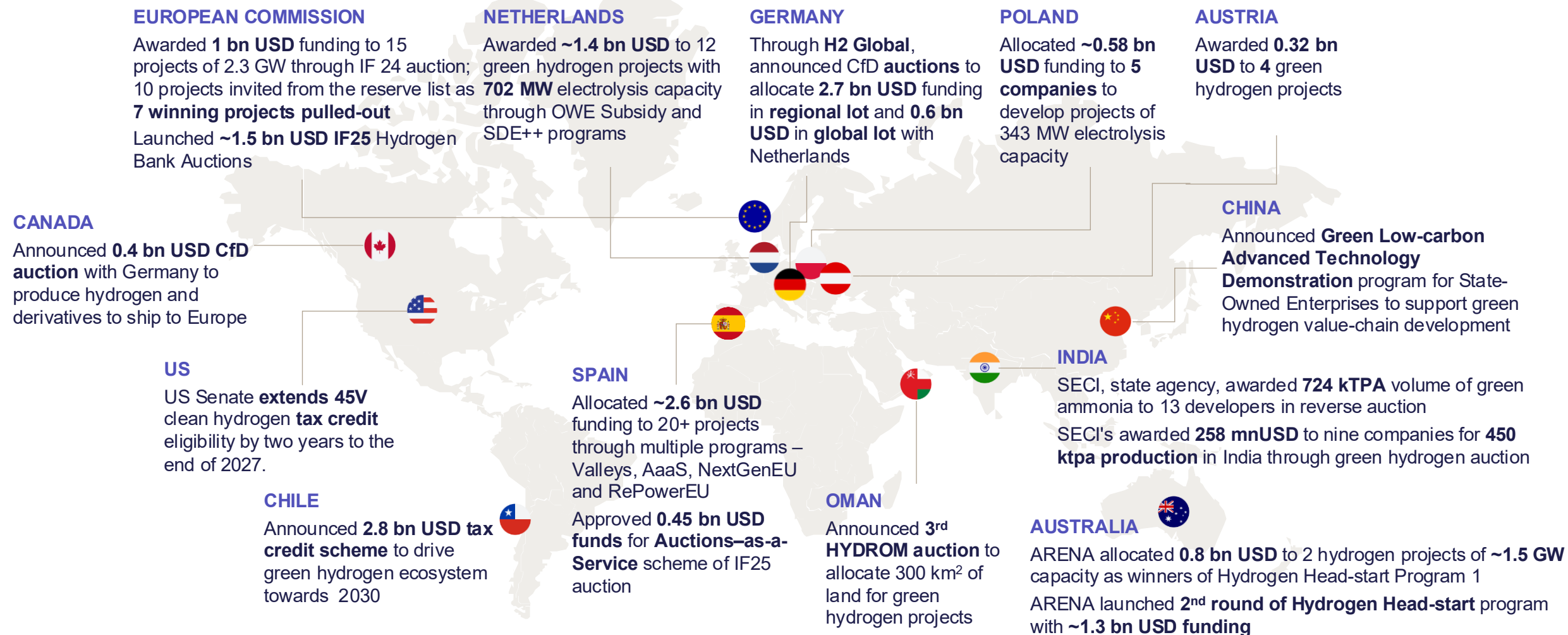
2025 Green Hydrogen Round-up

Major Green Hydrogen Policy & Regulation Updates

POLICY & REGULATIONS

2025 ROUND-UP

Global green hydrogen key updates on policy and auctions during 2025



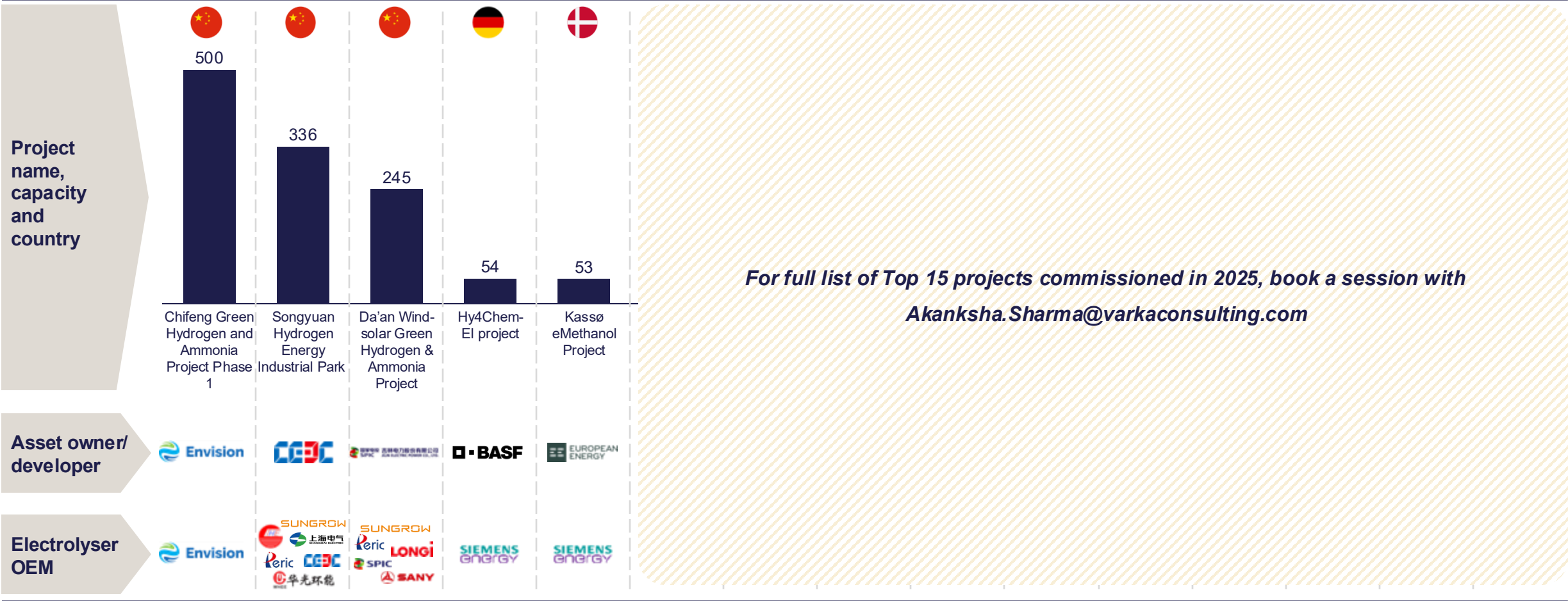
2025 Green Hydrogen Round-up

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

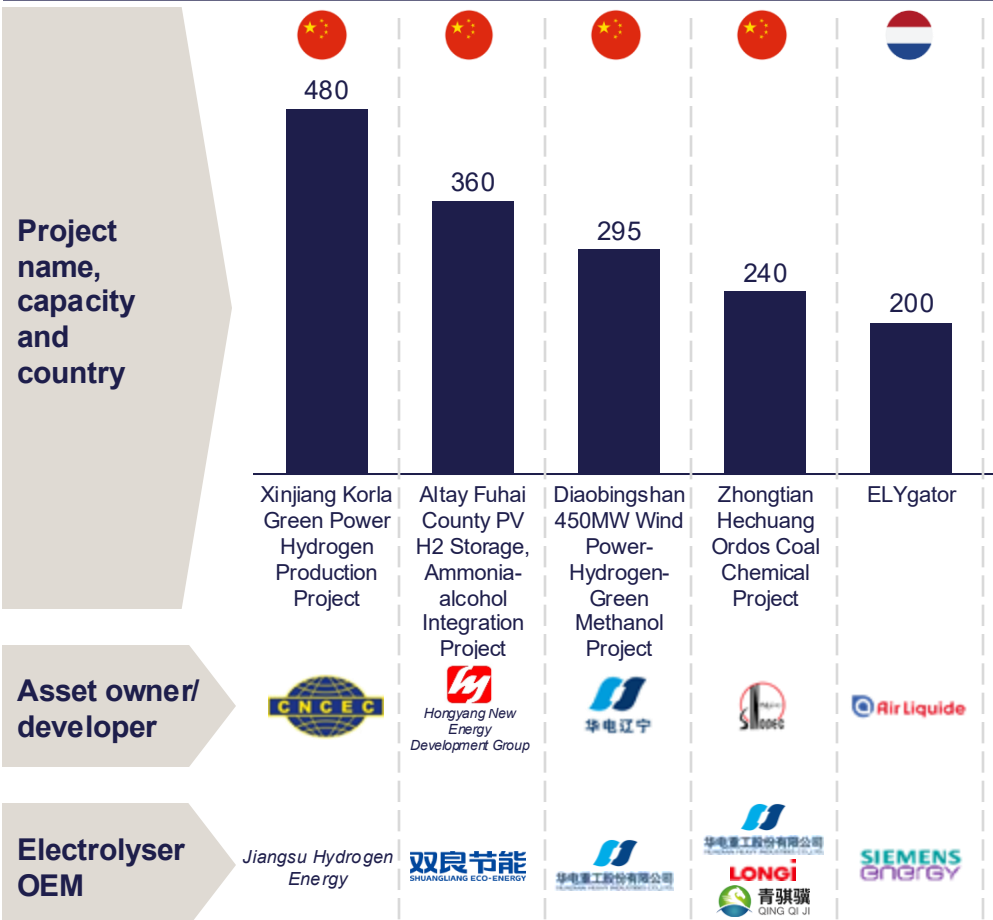
2025 Green Hydrogen Round-up

Major Electrolyser Orders Awarded

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

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



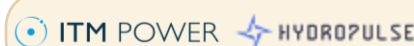
2

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



3

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



4

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



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.

nel

7

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



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 it's 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

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For more details on our offerings in hydrogen



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