

Activity tracker:

# Global Hydrogen Market

1 May – 31 July 2023



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## MARKET DEVELOPMENTS

### CORPORATE

- [July 2023](#): US hydrogen fuel cell firm Plug Power to supply electrolysers projects in Australia and Europe.
- [July 2023](#): Portuguese power company EDP weighs Brazil green hydrogen plant for exports to Germany.
- [July 2023](#): Germany's Bosch to invest €2.5bn by 2026 in hydrogen technology.
- [July 2023](#): Spanish natural gas grid operator Enagas plans for national and international hydrogen pipelines.
- [July 2023](#): Germany's Continental opens TechCenter for hydrogen technologies in Hamburg.
- [July 2023](#): German SFC Energy starts production of hydrogen and methanol fuel cells in India.
- [June 2023](#): US hydrogen fuel cell firm Plug Power updates hydrogen production target to 2,000 mt/d by 2030.
- [May 2023](#): US' clean energy firm Constellation set an industry record for blending hydrogen with natural gas.

### COUNTRY-LEVEL DEVELOPMENTS

#### EUROPE

- [July 2023](#): Germany commits to 'blue hydrogen' in updated national strategy.
- [July 2023](#): Tata Steel, UK Government to support low-carbon hydrogen projects for industrial decarbonisation.
- [July 2023](#): Australia, UK announce joint funding call for renewable hydrogen.
- [July 2023](#): Ireland launches national hydrogen strategy.
- [July 2023](#): UK Government cools interest in hydrogen heating plan.
- [June 2023](#): Chilean Government, EU launch two new cooperation initiatives on hydrogen worth €225m.
- [June 2023](#): EU publishes two delegated acts outlining detailed rules on the EU definition of renewable hydrogen.
- [June 2023](#): Italy, Germany endorse natural gas and hydrogen pipeline project "South2 Corridor".
- [June 2023](#): Norway, northern German state agree on blue hydrogen supplies to scale up industry.
- [June 2023](#): South Africa partners with Dutch, Danish governments on US\$1bn green hydrogen fund.
- [June 2023](#): Spain to triple its green hydrogen goal as part of an upgrade of its energy and climate ambitions.
- [June 2023](#): South Africa, Germany to collaborate on green hydrogen projects.
- [June 2023](#): Portugal's natural gas grid ready to transport 10% of hydrogen during 2023.
- [June 2023](#): £21.2m awarded as part of the UK's hydrogen BECCS Innovation Programme Phase 2.
- [May 2023](#): German government and gas operators plan a nationwide hydrogen network.

#### NORTH AMERICA

- [July 2023](#): US DOE to invest up to US\$1bn in to support the Regional Clean Hydrogen Hubs.
- [July 2023](#): Canada tests the world's first hydrogen-powered passenger train.
- [June 2023](#): Biden administration releases first-ever national clean hydrogen strategy and roadmap.
- [May 2022](#): US DOE funds US\$42m in 22 projects for producing, storing, and deploying clean hydrogen.

#### APAC

- [July 2023](#): India in talks to supply green hydrogen to EU, Singapore.
- [July 2023](#): India and Japan to sign certification mechanism for renewable hydrogen, carbon credits.
- [July 2023](#): World's first hydrogen-powered tram to be tested in Malaysia.
- [June 2023](#): Japan to invest US\$107bn in hydrogen supply over the next 15 years.
- [June 2023](#): China expects its total hydrogen demand to grow to 100 million tonnes per annum by 2060.

**LATIN AMERICA**

- [May 2023](#): Argentina prepares incentives to entice hydrogen developers.

**MIDDLE EAST & AFRICA**

- [Jun 2023](#): Oman signs three green hydrogen project agreements in 'a significant milestone'.
- [May 2023](#): Namibia launches US\$10bn hydrogen project with German participation.

**PROJECTS****EUROPE**

- [July 2023](#): Spain's Tecnicas Reunidas, Italy's Ansaldo Energia to develop RWE hydrogen plant in Germany.
- [July 2023](#): Greek gas grid operator DESFA to build a €1bn hydrogen pipeline to connect Greece to Bulgaria.
- [June 2023](#): Belgian's Solvay and Italy's Sapio to develop the Hydrogen Valley Rosignano Project in Italy.
- [June 2023](#): North Sea's 10MW offshore hydrogen project nets €20m, European Commission grant.
- [May 2023](#): US-based Plug Power plans US\$6bn hydrogen projects in Finland.
- [May 2023](#): Wood, SGN accelerate UK hydrogen plans.

**NORTH AMERICA**

- [July 2023](#): Irish chemical firm Linde to bring US\$1.8bn hydrogen facility to Texas, US.
- [May 2023](#): US' Electric Hydrogen to build its first electrolyser factory in Massachusetts, US, at US\$90m.

**APAC**

- [July 2023](#): Australia's first commercial hydrogen refuelling station opens at Port Kembla.
- [July 2023](#): Aboriginal backing for A\$3bn Kimberley hydrogen project in Australia.
- [July 2023](#): Sinopec's green hydrogen pilot project in Kuqa, China, begins operation.
- [July 2023](#): Rio Tinto, Sumitomo to build hydrogen plant in Australia to trial lower-carbon alumina refining.
- [June 2023](#): Australia commits to build US\$34m renewable hydrogen plant in Victoria.

**LATIN AMERICA**

- [June 2023](#): China's CGN and Brazil's Quinto Energy eye large-scale hydrogen production in Brazil.

**MIDDLE EAST & AFRICA**

- [July 2023](#): Port of Rotterdam, Vopak reportedly in race to build US\$2.8bn hydrogen port in South Africa.
- [Jun 2023](#): POSCO-led consortium sign 47-year Oman green hydrogen project worth US\$7-US\$8bn.
- [May 2023](#): World's largest green hydrogen plant, Saudi's Neom, reached financial close at US\$8.4bn.
- [May 2023](#): Israel's first hydrogen refilling station for vehicles opens.
- [Jun 2023](#): Namibia moves ahead with largest green hydrogen project in sub-Saharan Africa.
- [Jul 2023](#): Abu Dhabi state oil company ADNOC to open high-speed hydrogen refuelling station this year.

## M&A, JOINT VENTURES, PARTNERHSIPS

- [July 2023](#): US EV firm Nikola and BayoTech partner to advance zero-emission hydrogen delivery.
- [July 2023](#): US energy firm Fortescue Future to acquire Nikola's Phoenix Hydrogen Hub project in the US.
- [July 2023](#): Saudi Arabia's Public Investment Fund and French utility Engie to develop hydrogen projects.
- [July 2023](#): Japanese energy firm JERA and UAE's ADNOC join hands on hydrogen and ammonia.
- [June 2023](#): Yara Clean Ammonia, Cepsa partner to connect southern and northern Europe with clean hydrogen.
- [June 2023](#): Engineering group Wood, Centrica Storage explore hydrogen production hub in UK.
- [June 2023](#): French firms Air Liquide and Groupe ADP partner to develop hydrogen infrastructure in airports.
- [May 2023](#): BASF, Advent Technologies to establish supply chain for hydrogen fuel cell systems in Europe.
- [May 2023](#): UAE's ADNOC and US' Baker Hughes to develop hydrogen technology solutions.
- [May 2023](#): Nikola partners with Voltera to build up to 50 stations for hydrogen trucks.

## FUNDING

- [July 2023](#): A\$70m awarded to Australia's Hunter Hydrogen Hub.
- [July 2023](#): Renewable energy firm ACME secures US\$490m for green hydrogen, ammonia project in Oman.
- [July 2023](#): Bill Gates, others invest US\$91m in US-based start-up Koloma to drill natural hydrogen.
- [May 2023](#): US clean energy start-up Modern Hydrogen raises US\$32.8m.

## DISPUTES

- [July 2023](#): Ellesmere Port hydrogen heating trial in the UK scrapped after protests by residents.

## THOUGHT LEADERSHIP, ARTICLES

- [July 2023](#): Hydrogen Industry: global report 2023 predicts market revenue to reach US\$328bn in 2030.
- [July 2023](#): Transportation costs represent a big challenge for hydrogen.
- [July 2023](#): German energy association says Europe needs hydrogen debate to ensure technology leadership.
- [July 2023](#): Hydrogen is the future - or a complete mirage?
- [May 2023](#): Green hydrogen: Why it could be the green energy source of the future.
- [May 2023](#): Lack of standards could undermine global hydrogen market before it gets started.
- [May 2023](#): Why Airbus, others are betting on hydrogen-powered planes instead of electric planes.
- [May 2023](#): Global hydrogen project funnel gains momentum across value chain and geographies.

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