



ENERLEQ

Electrolyser supply in African and Middle East hydrogen projects

Technologies and suppliers named, their scale and stage, 2026 edition

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ABOUT THIS REPORT

This report covers the electrolysers in hydrogen projects in Africa and the Middle East: for each project at front-end engineering design (FEED) or later, whether a source names the electrolyser supplier and its technology, how many megawatts that supplier is stated to provide, and how far the supply arrangement has gone; which suppliers and technologies appear across the register; what manufacturing suppliers have announced in the two regions; and what has changed since 2024. It is written for strategy and business development teams at equipment manufacturers, project developers, EPC contractors, lenders and governments.

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EXECUTIVE SUMMARY

Six findings on who supplies the electrolysers

The register behind this report holds 18 hydrogen projects in Africa and the Middle East at FEED or later, with about 7.6 GW of stated electrolyser capacity. Sources name the electrolyser supplier for nine of them. Thirteen supplier links were found across the register, 12 of them stated by the supplier or the developer. No lender document or ministry statement read names a supplier for any project; the PtX Hub's report, published by GIZ, names Plug Power for the EBIC pilot in Egypt. This edition sets out what is named, what has been delivered, and where the sources stop.

01 Eighteen projects at FEED or later, 7.6 GW stated.

This report's register counts 26 projects, 16 in Africa and 10 in the Middle East; 18 are at FEED or a later stage (a project counts at FEED when a tier 1 or 2 source states that FEED work has started or that a FEED contract has been awarded) and state 7,579 MW of electrolysis between them, and five publish no electrolyser figure (Appendix A). Yanbu, at 4 GW, and NEOM, at 2.2 GW, are about 82 per cent of that capacity [1][2].

CHAPTER 1

1. The projects: scale and stage

The register counts 26 projects. Eighteen have reached FEED or later, and two Saudi projects hold about 82 per cent of their stated electrolyser capacity.

What the register holds

This report's register (Appendix A) counts 26 projects: four at FEED, four at FID, four under construction, six operating, one paused and seven that no tier 1 or 2 source read places at FEED or later. The 18 at FEED or later state 7,579 MW of electrolysis; five of them publish no electrolyser figure. The 11 African projects at FEED or later state 1,375 MW and the seven in the Middle East 6,204 MW (Appendix A).

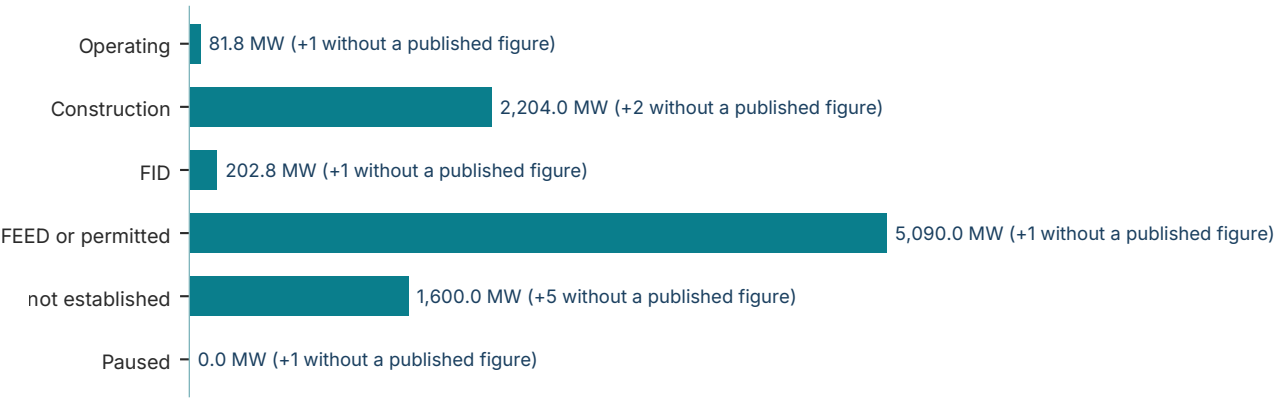


Exhibit 1 Electrolyser capacity by project stage, October 2026

26 projects; the Walvis Bay site is counted once, and the EBIC pilot is read as part of Egypt Green Hydrogen's 100 MW. Construction is almost all NEOM (2,200 MW); FID is almost all Phelan Green (200 MW); FEED is Yanbu (4,000 MW), Coega (850 MW), Damietta (240 MW) and AMAN, which publishes no MW. Operating includes Sasolburg's 60 MW, the H2Global and PtX Hub figure for existing electrolyzers, which Sasol does not state. Not established: Hyphen's first phase (1,500 MW) and Egypt Green Hydrogen carry MW; Green Ammonia Oman, Jordan Green Ammonia, the Jorf Hydrogen Platform, Hylron's second phase and the Gaia Energy and H2Pro demonstration publish none. Paused: Helios Industry, KIZAD. The "FEED or permitted" bar holds the FEED projects in this register

Source: [2]; [1]; [3]; [4]; [5]; [6]; [7]; [8]; [9]; [10]; [11]; [12]; [13]; [14]; [15]; [16]. Enerleq analysis.

METHODOLOGY AND SOURCES

How this report was made

SCOPE

Electrolytic hydrogen projects, and the ammonia, methanol, e-fuel and green iron projects built on them, in Africa and the Middle East. The register is non-exhaustive: it holds the projects at FEED, FID, construction or operating at the data cut-off that the searches found in the countries searched, any project found for which a source names an electrolyser supplier, and projects the earlier Enerleq registers held at those stages that no tier 1 or 2 source read places at FEED or later; these are shown as "not established". The register grades no stage below FEED; Enerleq's ammonia and Africa pipeline reports record such projects as feasibility or announced. A project counts at FEED when a tier 1 or 2 source states that FEED work has started or that a FEED contract has been awarded. The electrolyser supplier is the company that supplies the stacks or the packaged system, as a source names it. Balance-of-plant, power and EPC suppliers, prices, performance and market shares are out of scope.

APPROACH

The register in Appendix A was built project by project from developer, supplier and lender disclosures, government and allocation-body statements, H2Global, PtX Hub and IEA-based tabulations, and named-reporter trade press, to the data cut-off. Countries searched for projects at FEED or later: Saudi Arabia, Oman, the United Arab Emirates, Jordan, Qatar, Bahrain, Kuwait, Iraq, Israel and Iran in the Middle East (nothing at FEED or later was found in the last six), and Egypt, Morocco, Mauritania, Namibia, South Africa and Kenya in Africa. Tunisia, Algeria, Senegal, Angola, the other African countries, Lebanon, Syria, Yemen and Palestine were not searched, so the project set is not exhaustive. Suppliers were searched one by one; a supplier with no link in this report is "not found", not "no link". Searches for changes since 2024 were in English only. A link resting only on a tier 4 source, a paywalled headline or a search snippet is not recorded. Where sources disagree, the report states both. The Walvis Bay site, which two sources may describe as two projects, is counted once. Helios Industry's KIZAD project is listed although below FEED, by the principal's decision. Every fact sentence carries a citation to the numbered list; sentences that draw a conclusion from cited facts in the same paragraph are not separately cited.

INTERVIEWS

None were conducted for this edition.

DATA CUT-OFF

8 October 2026. Developments after this date are not reflected.

METHOD

Enerleq uses AI tools to collect and organise sources and to prepare first drafts. Every factual statement is tied to a cited source, every draft is reviewed and edited by the principal, and commentary marked ENERLEQ VIEW is the principal's own.

CONVENTIONS

Electrolyser capacity is input capacity in MW as published, and is left blank where a developer publishes only tonnes or renewable power. Supplier megawatts are those a source attributes to that supplier for that project; a project's full capacity is never assumed to come from one supplier. Supply arrangements are recorded at the highest status a source states: named, framework (memorandum, cooperation or framework agreement), selected, contracted (supply contract, agreement or order), delivered (shipped or installed), operating, ended. Technology is as the source states it: alkaline, PEM (proton exchange membrane), AEM (anion exchange membrane), SOEC (solid oxide), E-TAC (H2Pro's electrochemical, thermally activated chemical process). Projects under 10 MW are pilots. Stage terms are: FEED, FID, construction, operating, paused, not established (not at FEED or later on the sources read).

Source tiers used in this report

TIER	NAME	INCLUDES
1	Primary	Regulatory filings, permits, official datasets, company disclosures to a regulator, government statements, interviews under consent
2	Official and reputable	IEA, IRENA, development banks and government reports; established trade press with named reporters
3	Company statements	Developer and supplier websites, press releases, investor presentations, conference organisers
4	Secondary	Aggregators, unattributed reports; used only to locate a higher-tier source

Sources

Numbered in order of first citation. T marks the tier. All sources retrieved on 8 October 2026 unless stated.

[1]	Ammonia Energy Association (Julian Atchison) (2025-08-10), ACWA Power, EnBW to develop the Yanbu Green Hydrogen Hub. https://ammoniaenergy.org/articles/acwa-power-enbw-to-develop-the-yanbu-green-hydrogen-hub/ . Retrieved 2026-10-08. Licence trade association news article, quote limit 25 words	T2	[5]	Zawya Projects (Dennis Daniel) (2026-04-06), Egypt's \$873mln Damietta green ammonia project enters FEED phase. https://www.zawya.com/en/projects/industry/egypts-873mln-damietta-green-ammonia-project-enters-feed-phase-hj3qktj3 . Retrieved 2026-10-20. Licence news article, quote limit 25 words	T2	[10]	Engineering News (Creamer Media), Sheila Barradas (2026-08-28), Phelan Green electro-sustainable aviation fuel project, South Africa. https://www.engineeringnews.co.za/article/phelan-green-electro-sustainable-aviation-fuel-project-south-africa-2026-08-28 . Retrieved 2026-10-08. Licence news article (project profile), quote limit 25 words	T2
[2]	Dii Desert Energy (2026-01), MENA Energy Outlook 2026 (hydrogen developments in the MENA region). https://dii-desertenergy.org/wp-content/uploads/2026/01/MENA-Energy-Outlook-2026-low-res-2.pdf . Retrieved 2026-10-08. Licence industry association report, public PDF; reproduction terms not checked	T2	[6]	H2Global Foundation (2026-03), Pathways to final investment decision: A data-driven perspective on clean hydrogen in Africa (Annex 1, Table 3: successful clean hydrogen projects in Africa). https://h2-global.org/wp-content/uploads/2026/03/H2Global_Pathways_to_FID_2026.pdf . Retrieved 2026-10-08. Licence foundation report, public PDF; reproduction terms not checked	T2	[11]	Observer Research Foundation (ORF) (Leigh Therese Ocon Mante, Reem Sagahyroon) (2026-10-06), Mapping Hydrogen Pathways: Progress and Potential for the UAE, Saudi Arabia, and Oman. https://www.orfonline.org/research/mapping-hydrogen-pathways-progress-and-potential-for-the-uae-saudi-arabia-and-oman . Retrieved 2026-10-09. Licence think-tank research paper, public	T2
[3]	African Development Bank Group (2025-12-09), African Development Bank Approves \$10 Million to catalyse Namibia's Large Green Hydrogen Project. https://www.afdb.org/en/news-and-events/press-releases/african-development-bank-approves-10-million-catalyse-namibias-large-green-hydrogen-project-89480 . Retrieved 2026-10-09. Licence development bank press release, public	T1	[7]	PtX Hub (GIZ) (2025-05), African Green Hydrogen Report 2025. https://ptx-hub.org/wp-content/uploads/2025/06/African-Green-Hydrogen-Report-2025.pdf . Retrieved 2026-10-09. Licence PtX Hub publication, public	T2	[12]	Ammonia Energy Association (Julian Atchison) (2026-05-26), Hive Energy selects Topsoe technology for Coega project in South Africa. https://ammoniaenergy.org/articles/hive-energy-selects-topsoe-technology-for-coega-project-in-south-africa . Retrieved 2026-10-08. Licence trade association news article, quote limit 25 words	T2
[4]	Engineering News / Mining Weekly, Creamer Media (Martin Creamer) (2026-09-15), South Africa's \$5.8bn green hydrogen ammonia project takes big leap forward. https://www.engineeringnews.co.za/article/south-africas-58bn-green-hydrogen-ammonia-project-takes-big-leap-forward-2026-09-15 . Retrieved 2026-10-08. Licence subscription news site, article text returned in full by the extract tool; quote limit 25 words	T2	[8]	Sasol Limited (2024-09), Sasol Integrated Report 2024. https://www.sasol.com/sites/default/files/2024-09/SASOL%20Integrated%20Report%2024_Static%20PDF_0.pdf . Retrieved 2026-10-08. Licence company annual report, public; quote limit 25 words	T1	[13]	Morocco World News (Adil Faouzi) (2025-10-03), UM6P Takes Center Stage at Power-to-X Summit in Marrakech. https://www.moroccoworldnews.com/2025/10/261540/um6p-takes-center-stage-at-power-to-x-summit-in-marrakech . Retrieved 2026-10-08. Licence news article, quote limit 25 words	T2
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[15] Mining and Energy Namibia (2026-07-13), HyIron targets early 2027 construction start for major green iron expansion. https://miningandenergy.com.na/hyiron-targets-early-2027-construction-start-for-major-green-iron-expansion. Retrieved 2026-10-08. Licence news article, quote limit 25 words	T3	[16] H2Pro (2022-11), Gaia Energy, H2Pro Launch Green Hydrogen Demo Project in Morocco (repost of Morocco World News). https://www.h2pro.co/news/gaiaenergymou. Retrieved 2026-10-10. Licence company news page reposting a news article, public	T3
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This sample lists 16 of the 63 sources in the full report.

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