

All Projects Complete overview — 196 projects

Overview of Norwegian hydrogen projects as of 28 May 2026, compiled by **Norwegian Hydrogen Forum**. Sorted alphabetically by project owner.

In Operation = Yes	Project is currently operational	Est. Start	Estimated year of first operation
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Project Name	Project Owner	Partners	In Op?	Est. Start	County	Municipality	Description	Link
Industrial heating with hydrogen for production of reinforcing steel	7 Steel Nordic Manufacturing	Linde	Yes	2026	Nordland	Rana	Industrial heating with hydrogen for production of reinforcing steel conducted early 2026, demonstrating feasibility for use at scale.	www.7-steelnordic.com/7-steel-nordic-manufacturing/
2 Ammonia-powered bulk vessels	Amon Bulk AS		No	2029	Vestfold	Sandefjord	Amon has been awarded investment support from Enova to build two ammonia bulk vessels	www.amonmaritime.com/bulk/amon-maritime-announces-new-vessel...
3 Kamsarmax ammonia dual-fuel bulk vessels	Amon Bulk AS		No	2029-2030	Vestfold	Sandefjord	Amon has been awarded investment support from Enova to build three ammonia dual-fuel bulk vessels	www.amonmaritime.com/bulk/amon-bulk-plans-three-new-kamsarmax-vessels...
30-ton Hydrogen excavator and mobile filling unit	Applied Hydrogen AS	Veidekke	Yes	2025	Buskerud	Kongsberg	Hydrogen powered 30-ton excavator and filling station unit for zero-emission road infrastructure.	www.appliedhydrogen.no
Arctic H2 Valley	Arctic Cluster Team	Sintef, Green Nordic, KPB, Vireon, Kunnskapspartnere Helgeland and 12 associated partners from Norway	No	2027	Nordland	Rana	The Arctic Hydrogen Valley (ArcticH2V) aims to establish a complete hydrogen ecosystem in Northern Norway, Sweden and Finland. Arctic Cluster Team coordinates the Norwegian effort of this cross-border project seeking to become a large-hydrogen valley through the Clean Hydrogen Partnership.	www.arcticclusterteam.no/en/aktuelt/2026/fuelling-the-future...
Hydrogen production from biogas	Arda Energy		No	2031	Nordland	Rana	Planning 2-4 tons H2 production per day, using biogas as feedstock with Arda Light™ technology.	www.ardaenergy.no
Tiller Fueling station	ASKO Midt-Norge		Yes	2020	Trøndelag	Trondheim	Fueling station for ASKO, Norway's largest wholesaler. Local H2 production for supply of ASKO's hydrogen trucks.	www.asko.no/nyhetsarkiv/asko-lanserer-verdens-forste-hydrogen-stasjon...

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International test arena for low- and zero emission aviation	Avinor	Civil Aviation Authority Norway	Yes	2025	Oslo	Oslo	Avinor and the Civil Aviation Authority (CAA) Norway are establishing Norway as an international test arena for low- and zero emission aviation and preparing testing of hydrogen-based concepts.	www.kommunikasjon.ntb.no/pressemelding/18716884/avinor-st...
Ammonia bunkering terminal in Florø	Azane Fuel Solutions		No	2029	Vestland	Kinn	Awarded Enova support to invest in ammonia bunkering terminal in Florø. FID pending.	www.azanefts.com/azane-infrastructure-as-secures-enova-gra...
Ammonia bunkering terminal at Risavika	Azane Fuel Solutions		No	2029	Rogaland	Sola	Awarded Enova support to invest in ammonia bunkering terminal at Port of Risavika. FID pending.	www.azanefts.com/azane-infrastructure-as-secures-enova-gra...
Ammonia bunkering terminal at Mongstad	Azane Fuel Solutions		No	2029	Vestland	Alver	Awarded Enova support to invest in ammonia bunkering terminal at Mongstad. FID pending.	www.azanefts.com/azane-infrastructure-as-secures-enova-gra...
Barents Blue Clean Ammonia	Barents Clean Ammonia AS	Barents Blue AS, Proton Ventures	No	2031	Finnmark	Hammerfest	Planning to produce 3 000 tons low carbon NH3 per day, with operations to commence in 2031. FID planned in 2027.	www.barentsblue.no
Development of 100% hydrogen-fueled engine	Bergen Engines		Yes		Vestland	Bergen	Has developed a 100% hydrogen-fueled engine. Bergen Engines will work towards industrialising the engines, to operate on hydrogen as well as other hydrogen-based fuels.	www.bergenengines.com/happy-h2-new-year/
AMAZE (AMmonia Zero Emission)	Bergen Engines	Equinor, Sintef Energi, Sintef Ocean, NTNU, RISE Fire Research	Yes	2024-2029	Vestland	Bergen	AMAZE aims to develop and demonstrate new and demonstrate new zero emission solutions for maritime applications, focussing on risk assessments for liquid ammonia as fuel, among others.	www.risefr.no/en/forskningsprosjekter/amaze
Borg Hydrogen Hub	Borg Hydrogen AS	Viken Hydrogen, Borg Havn IKS, Kronos Titan	No	2028	Østfold	Fredrikstad	Viken Hydrogen and Borg Port Authorities have agreed to develop a hydrogen hub for industrial and maritime consumption. Production capacity in the first phase is 5 MW, with possibility to scale up to 15 MW.	www.vikenhydrogen.no/skal-utvikle-gront-hydrogen-til-indu...
HyWay: Studying the climate impacts of large-scale hydrogen usage	CICERO Center for International Climate Research	11 European universities and meteorological institutes.	Yes	2024-2028	Oslo	Oslo	This EU-funded research project Hyway contributes to the understanding of the climate and environmental risks and co-benefits of a hydrogen economy.	www.hywayhorizon.eu/

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APOLO - ammonia cracking technology for the maritime sector	Corvus	H2Site, Tecnalia, TU Eindhoven, 1 CUBE, Chalmers Tekniska Hogskola, Nuvera, Astander, Fertiberia, LEC GmbH.	Yes	2024-2028	Vestland	Bergen	The 4-year program will demonstrate power conversion from commercially available fuel cell systems using hydrogen from ammonia cracking with a power output of 125 kW. The program will also test an ammonia cracker coupled with a novel ammonia engine running on an ammonia/hydrogen blend to compare the different technologies.	https://www.apoloproject.eu/
Corvus Pelican Fuel Cell System	Corvus		Yes		Vestland	Bergen	Received Type Approval from DNV, meeting the most stringent performance and safety standards required by the maritime industry.	www.corvusenergy.com/news/dnv-type-approval-awarded-to-co-...
2 hydrogen-fuelled passenger vessels	Cruise Service		No	2027	Møre og Romsdal	Sula	Enova has allocated 171 MNOK to construction of two passenger vessels to be operated in the Geiranger fjord, a UNESCO world heritage site	www.cruise-service.no/
Hydrogen-powered charging stations for electric vehicles	Cyan Energy	Ulmatec	Yes	2024	Møre og Romsdal	Hareid	One hydrogen-powered recharging station has been in operation at Hareid since June 2024. Three further stations are planned along E6 road.	www.cyan-energy.com/no/news/expanding-high-capacity-charge-...
Multi-functional, hydrogen-based floating charging concept for high-speed vessels	Cyan Energy	Ulmatec Handling Systems, Conmuto, Agile Interactive, Furnes Design, Møre and Romsdal County Municipality	Yes		Møre og Romsdal	Ålesund	The floating charging station will have batteries and hydrogen equipment in closed subsea compartments, with three charging points with 1.000 kW capacity each.	www.cyan-energy.com/no/news/cyan-energy-receives-nok-1-mi-...
Methanol-fueled Construction Support Vessel (CSV)	Eidesvik Agalas AS	Agalas, Eidesvik Offshore	No	2026	Vestland	Bømlo	The vessel shall perform subsea and offshore wind operations and will be equipped with methanol engines and a battery hybrid system.	www.eidesvik.no/eidesvik-offshore-launches-worlds-first-m-...
Apollo: Viking Energy	Eidesvik Offshore	Equinor, Wärtsilä, Halsnøy Dokk	No	2026	Vestland	Bømlo	Will be equipped with ammonia dual fuel engine from autumn 2026, to be operated by Equinor. Contributes to 70 % GHG emission reductions or more.	www.eidesvik.no/viking-energy-makes-history-as-first-ammo-...

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State-of-the-art Methanol-fueled Construction Support Vessel (CSV)	Eidesvik Offshore	Agalas, Eidesvik Reach Subsea	No	2027	Vestland	Bømlo	Designed to be one of the most environmentally friendly vessels in its segment, the newbuild will feature a battery hybrid system alongside dual-fuel gensets capable of operating on either methanol or marine gas oil (MGO).	www.eidesvik.no/eidesvik-offshore-announces-new-construct...
Elkem Sicalo pilot plant: low-emission silicon production in Kristiansand	Elkem		Yes		Agder	Kristiansand	Phase 2 of Elkem Sicalo project: Elkem has received 30 MNOK from Enova to develop a process including hydrogen that emits far less CO2 during production of silicon	www.elkem.com/investor/announcements/announcement/?itemid...
HyCoast - Hydrogen Valley in the West Coast	Energy Transition Network	HYDS, Karmsund Hydrogen, Fortescue, North Ammonia, Azane, Equinor, Gas2Feed, Gexcon, Sustainable Energy, Arda, HydePoint...	No		Rogaland	Stavanger	Plans a fully integrated hydrogen ecosystem, connecting large-scale hydrogen production to applications in industry, shipping and the gas grid. Applied for Large-Scale Hydrogen Valley through Clean Hydrogen Partnership spring 2026.	www.energytransitionnorway.no/
Risavika Hydrogen Hub	Energy Transition Network	Norce, Lyse, SEID, Arda, Port of Stavanger, Rogaland County Council	Yes	2025	Rogaland	Sola	Risavika Hydrogen Hub is a test center for hydrogen production. The port is developed for bunkering, storage and distribution of hydrogen-based fuels such as ammonia.	www.risavikahydrogenhub.no/
Biorisk evaluation of the HyPSTER salt cavern	Equinor	NORCE	Yes	2022-2026	Vestland	Bergen	The purpose of the EU-funded HyPSTER project is to demonstrate the industrial-scale operation of cyclic H2 storage in salt caverns to support the emergence of the hydrogen energy economy in Europe in line with overall Hydrogen Europe road-mapping.	www.norceresearch.no/prosjekter/biorisk-evaluation-of-the...
Holmaneset GAP: - Green Ammonia Production to fill the gap in Europe's energy supply	Fortescue Future Industries		No	2029	Vestland	Bremanger	Large-scale hydrogen and ammonia production	www.fortescue.com/what-we-do/our-projects/holmaneset
Renewable ammonia Plant in Korgen	Fuella AS		No	2031	Nordland	Hemnes	Secured 560 MW grid capacity to develop large scale ammonia production	www.fuella.no/two-green-ammonia-projects-in-hemnes-become...
Gas2Feed Lista	Gas2Feed	NORCE	Yes		Agder	Farsund	Utilizing renewable H2 and CO2 for protein production and salmon farming	www.g2f.no/en/project/list/

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Hydrogen production at Nesbruket, Mosjøen	Gen2 Energy		No	2029	Nordland	Vefsn	First phase 110 MW. Winner in third EU hydrogen bank auction. Further 85 MW may be added shortly after begin of operation. FID pending.	www.gen2energy.com/production-sites/?_gl=1*2juu1q*_up*MQ...
Hydrogen production at Monstad Havneområde, Åfjord	Gen2 Energy		No	2030	Trøndelag	Åfjord	Reserved 150 MW grid capacity for the production of renewable hydrogen	www.gen2energy.com/production-sites/?_gl=1*2juu1q*_up*MQ...
Farsund hydrogen production	Gen2 Energy		No	2031	Agder	Farsund		www.gen2energy.com/production-sites/?_gl=1*2juu1q*_up*MQ...
Holandsvika hydrogen production	Gen2 Energy		No	2032	Nordland	Mosjøen		www.gen2energy.com/production-sites/?_gl=1*2juu1q*_up*MQ...
Glencore Nikkelverk	Glencore Nikkelverk		Yes	2024	Agder	Kristiansand	Hydrogen used to produce hydrochloric acid.	www.nikkelverk.no
Bio-E-Methanol production at Øyer	Glocal Green	Norwegian Hydrogen	No	2030	Innlandet	Øyer	150.000 tonnes bio-e-methanol annually based on biological waste and residual industrial raw materials. Planned to come into operation in early 2030s	www.glocalgreen.com/en/
Storage, distribution and bunkering of methanol at Brevik Terminal	Glocal Green	Heidelberg Materials Sement Norge	No	2028	Telemark	Porsgrunn	Methanol storage, distribution and bunkering at the Brevik terminal at Port of Grenland.	www.glocalgreen.com/avtale-med-heidelberg-materials/
Hydrogen production at Fauske Industrial Park	Glomfjord Hydrogen AS	Salten Kraftsamband (SKS), Indre Salten Energi	No	2029	Nordland	Fauske	Glomfjord Hydrogen has applied for 30 MW capacity from local Distribution System Operator (DSO) Arva AS to produce renewable hydrogen.	www.nrk.no/nordland/nytt-samarbeid-for-etablering-av-hydr...
2 hydrogen-fueled bulk vessels	GMI Rederi		No	2027	Møre og Romsdal	Ørsta	2 bulk vessels under construction, to come into operation by first half 2027. Shipment of sand, crushed stone and gravel, steel and salt.	www.gmigroup.no/
2 hydrogen-fueled bulk vessels	GMI Rederi		No	2028	Møre og Romsdal	Ørsta	Enova has awarded financial support to build two hydrogen-fueled bulk vessels.	www.gmigroup.no/
Preparedness to handle acute leakages of hydrogen-based fuels	Green Shipping Programme	Norwegian Coastal Administration, GreenH, Niva, Hydrogenious Maritime, FFI, Glocal Green, DSB, Yara, Norwegian Maritime...	Yes	2026-2027	Møre og Romsdal	Ålesund	This pilot study aims to strengthen national preparedness in handling acute leakages of hydrogen-based fuels.	www.grontskipsfartsprogram.no/pilotprosjekt/beredskap-for...

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Understanding the risks of investing in ammonia for car container ships	Green Shipping Programme	Drammen havn, Thema Consulting, Hy2Gen, Wallenius Wilhelmsen, Alfa Laval, GearConsult, Brevik Engineering, Yara, SVV, N...	Yes	2025	Akershus	Bærum	This pilot project shall improve understanding of risks associated with investing in ammonia-fuelled transport of cars to Norway.	www.grontskipsfartsprogram.no/pilotprosjekt/ammonaikk-bil...
GreenH Bodø	GreenH		No	2027	Nordland	Bodø	In construction. Operation to commence in early 2027.	www.greenh.no/greenh-og-luxcara-tar-investeringsbeslutnin...
Slagentangen Hydrogen	GreenH	Grieg New Energy	No	2028	Vestfold	Tønsberg	Construction phase	www.greenh.no/gar-mot-hydrogenproduksjon-pa-slagentangen %...
GreenH Kristiansund	GreenH		No	2028	Møre og Romsdal	Kristiansund	Construction phase	www.greenh.no/norsea-group-og-greenh-inngar-samarbeid-om-...
GreenH Hammerfest	GreenH		No	2029	Finnmark	Hammerfest	Awarded 21,9 MEUR in EU hydrogen auction	www.greenh.no/eu-gir-stotte-til-planlagt-hydrogenanlegg-i...
GreenH Sandnessjøen	GreenH		No	2030	Nordland	Alstahaug	Reserved 20 MW grid capacity for production of renewable hydrogen	www.greenh.no/prosjekter/
RogalandH2	GreenH		No	2030	Rogaland	Strand	Allocated funding from European Hydrogen Bank third auction	www.greenh.no
Renewable ammonia production in Kjøllefjord, Lebesby municipality	Green Nordic AS		No	2032	Finnmark	Lebesby	Planned to commence operation between 2030 and 2032, on the precondition that wind power projects and electricity grid to Adamselv are realised.	www.ifinnmark.no/kan-fa-ny-storindustri-til-bygda-stolte-...
Agder Hydrogen Hub	Greenstat	FDE	No	2026	Agder	Kristiansand	20 MW renewable hydrogen plant in construction, due to come into operation towards end of 2026. Plan to increase to 60 MW total capacity in phase 2 from 2028.	www.greenstat.no/prosjekter/hydrogenknutepunkt-agder
HYVARD - Southern Norway Hydrogen Valley: A Large-Scale Hydrogen Gateway	Greenstat	FDE, Å Energi, Umoe Advanced Composites, Vireon, Port of Kristiansand, Kristiansand Municipality, GreenPort North, Avin...	No	2027-2031	Agder	Kristiansand	This consortium aims to position Norway's southern Agder region as a leading hydrogen hub in Europe. With hydrogen production commencing in 2026, the project shall build a complete value chain from production to distribution, storage and use in transport, port operations, industry and aviation.	https://greenstat.no/

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P2XFloater in Kifjorden	H2Carrier AS		No	2032	Finnmark	Gamvik	P2XFloater - Floating ammonia production	www.h2carrier.com
P2XFloater in Kongsfjord	H2Carrier AS		No	2034	Finnmark	Båtsfjord	P2XFloater - Floating ammonia production	www.h2carrier.com
Coastal bulk vessel	Halten Bulk AS		No		Trøndelag	Trondheim	Awarded grant from the Norwegian NOx-fund to invest in new coastal bulk vessel with rotor sails and powered with battery and hydrogen, reducing CO2-emissions by 2 778 tons annually and 67 tons NOx.	www.haltenbulk.no/
Hydrogen and ammonia ready coastal passenger vessels	Havila Kystruten		No		Vestland	Bergen	Havila's four coastal express passenger vessels in operation are developed for future hydrogen and ammonia use. Only minor retrofits needed.	www.havilavoyages.com/nb/skipene/miljo
Methanol-fueled freight ship	Heidelberg Materials		No	2028	Telemark	Porsgrunn	Methanol-fueled freight vessel in construction, to come into operation Q1 2028.	www.kommunikasjon.ntb.no/pressemelding/18745505/heidelberg...
Large Scale Test Center	Herøya Industripark	Powered by Telemark, Skagerak Energi, Equinor, Proventia	Yes	2025	Telemark	Porsgrunn	Large scale test center for hydrogen and ammonia	www.proventia.no/katapult/
Høyanger Hydrogen Project	Hydro Havrand	Hydro Høyanger	No	2026-2029	Vestland	Høyanger	5 MW pilot for zero emission recycling of aluminium to enter operation mid-2026, for three years testing. Possible expansion in step 2.	www.hydro.com/no/global/media/news/2024/hydro-tar-nytt-st...
SOLID - Iron based hydrogen storage	Hydrogen Mem-Tech	Eindhoven University of Technology, DNV and several other European partners	Yes	2021	Trøndelag	Trondheim	Hydrogen Mem-Tech is collaborating with SOLID, a spin-off from Eindhoven University of Technology, to enhance the efficiency of iron-based hydrogen storage systems.	www.hydrogen-mem-tech.com/news/hydrogen-mem-tech-solid/
Alkaline high-pressure electrolyzer test site at Herøya	Hydrogen Pro	Longi	Yes		Telemark	Porsgrunn	HydrogenPro designs and supplies large scale hydrogen production plants. At Herøya, HydrogenPro operates a research center with a focus on the continuous innovation of electrolyzer technology.	www.hydrogenpro.com/research-development/

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Meraker Hydrogen	Hydrogen Solutions	NTE, Greenstat	No	2029	Trøndelag	Meråker	Meraker Hydrogen will produce renewable hydrogen from locked-in electricity for deliveries to key infrastructure hubs in the region serving multiple applications. The hydrogen plant is located close to road such as E6, E14 and railways Meråkerbanen and Norlandsbanen. In addition Muruvik port is in near proximity for export.	www.merakerhydrogen.no
HyFuel	Hydrogen Solutions	Fjord Base, SFE	No	2028	Vestland	Kinn	Production plant in construction, due to commence operation in 2028.	www.hyfuel.no/
Hydrogen Refuelling Station (HRS) for heavy- and light-duty transport	Hydrogenvegen AS		No		Vestland	Ullensvang	Refuelling station for hydrogen vehicles planned at E134 to connect the western and eastern parts of Norway.	www.hydrogenvegen.no/
HyPilot	Hystar	Yara, Equinor, Gassco, ABB	Yes	2024	Rogaland	Tysvær	Demonstration of Hystars PEM electrolyser with world leading energy efficiency.	www.hystar.com/projects/
Project Sagitta	Hystar		No	2027	Akershus	Bærum	The project aims to scale the Hystar patented electrolyser stack up to gigawatt production levels at a new automated production factory in Høvik, Norway. With an initial production capacity of 1.5 GW, the project plans to expand to 4.5 GW in phases.	https://hystar.com/project-sagitta/
2 Ammonia-powered Pure Car/Truck Vessels (PCTV)	Høegh Autoliners ASA	Everllance	No	2027	Oslo	Oslo	Høegh has received funding from Enova for investment in two of the 12 AURORA Class multi-fuel ships in order. Initially, Høegh plans to power 4 of these vessels with ammonia.	www.hoeghautoliners.com/hoegh-autoliners-secures-signifi...
Floating Terminal for ammonia and hydrogen imports	Høegh Evi	Wärtsilä, BASF, Sustainable Energy and Norwegian Research Institutes	No		Oslo	Oslo	The Høegh Hybrid Floating Storage and Regasification Unit (FSRU) will offer dual delivery capability (LNG and clean energy) and has the flexibility to accommodate increasing hydrogen volumes over time. The world's first floating ammonia-to-hydrogen cracker has been successfully developed in collaboration with Wärtsilä.	www.hoeghevi.com/solutions/clean-energy-solutions/
Replacing coal with hydrogen to produce titanium slag and high-purity pig iron from ilmenite	INEOS Tyssedal		No	2032	Vestland	Ullensvang	Replacing coal with hydrogen to produce titanium slag and high-purity pig iron from ilmenite	www.ineos.com/businesses/ineos-enterprises/businesses/ine...
eFuel production at Mo Industrial Park	Infinium	SMA Mineral	No		Nordland	Rana	Capacity to produce an initial 2 000 barrels per day of eFuels including eSAF, eDiesel and eNaphtha with the capacity to expand.	www.infiniumco.com/news/sma-mineral-partners-with-infiniu...

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H2-Quest - Exploration and Evaluation of European Natural Hydrogen Potential	Institute for Energy Technology (IFE)	NORCE and European partners	Yes	2026-2028	Akershus	Lillestrøm	H2-Quest aims to advance exploration methods for natural hydrogen and provide the first evaluation of hydrogen resource potential in Europe.	www.h2quest.eu
IFE Hynor Hydrogen Technology Center	Institute for Energy Technology (IFE)		Yes		Akershus	Lillestrøm	Fuel cell and hydrogen technology test center	www.ife.no/en/laboratory/ife-hynor-hydrogen-technology-ce...
REMEHDYS	Institute for Energy Technology (IFE)	10 partners from academia and industry	Yes	2025-2029	Akershus	Lillestrøm	Aims at validating a modular hydrogen storage system with a capacity of 100 kg H2 in an actual end-use scenario and will adopt a novel approach in the production of metal hydrides utilizing recycled starting materials sourced in Europe.	www.remedhys.eu/
HESSENSE	Institute for Energy Technology (IFE)	Hystorsys, CNRS, University in Warsaw, Univeristy in Torino	Yes	2024-2027	Akershus	Lillestrøm	Aims at investigating high entropy alloys for safe and sustainable hydrogen storage.	www.ife.no/project/hessense-light-weight-high-entropy-all...
RippELY	Institute for Energy Technology (IFE)	Norwegian Hydrogen, Nel Hydrogen, Aarhus University, ICSI	Yes	2025-2028	Akershus	Lillestrøm	The primary goal of the RippEly project is to study, analyze and optimize the effect of different power converter ripple characteristics on PEM and alkaline water electrolyzers.	www.ife.no/en/field/hydrogen-technology/
LIQUID-H	Institute for Energy Technology (IFE)	A/S Norske Shell, Greenstat, Gen2Energy, SEID, HYDS, Technical University of Denmark (DTU) and Universidad de Sevilla (...)	Yes	2023-2027	Akershus	Lillestrøm	Reduce energy consumption by 50 % and reduce operation cost by 20 % compared to existing facilities for liquefaction of hydrogen.	www.ife.no/project/liquid-h-hydrogen-liquefaction-with-ca...
ECOPEM	Institute for Energy Technology (IFE)	European research partners	Yes	2025-2028	Akershus	Lillestrøm	The Horizon Europe project ECOPEM brings together leading research institutes and industrial partners from across Europe to develop safer, more efficient, and more sustainable alternatives to current materials used in hydrogen technologies.	https://www.ecopem.eu/

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REHSYS	Institute for Energy Technology (IFE)		Yes	2023-2027	Akershus	Lillestrøm	Main objective is to study and optimize design and operation of industrial scale Proton Exchange Membrane (PEM) electrolysis systems.	www.ife.no/en/project/rehsys-renewable-energy-hydrogen-sy...
HyLICAL	Institute for Energy Technology (IFE)	7 universities and research centers, 6 industry partners	Yes	2023-2027	Akershus	Lillestrøm	Hydrogen Liquefaction with Caloric materials. To reduce energy consumption and reduce cost of H2 Liquefaction and be able to liquefy in small scale plants. The technology is also suited for maintenance cooling (EU Project)	www.hylical.eu/
Hydrogen Pathways 2050 - Transition of Norwegian society and value creation from export	Institute for Energy Technology (IFE)	6 universities and research institutions, Equinor, Gassco	Yes	2021-2026	Akershus	Lillestrøm	A special focus on hydrogen and its use nationally and as a potential export product. Interplay between renewable power production, transmission, and the production and end-use of hydrogen. Project includes hydrogen from both renewable electricity and hydrogen from national gas with CCS.	https://prosjektbanken.forskningsradet.no/en/project/FORI...
Karmsund hydrogen	Karmsund Hydrogen AS	Norwegian Hydrogen, Sigma, Karmsund Group, HydePoint	No	2029	Rogaland	Karmøy	Karmsund Hydrogen is partnering with HydePoint to build a green hydrogen facility in Karmsund, aimed at cutting emissions in local industry. The facility will be located at Karmsund Group's Service Base, offering direct access to hydrogen users in both the maritime and onshore sectors.	www.norwegianhydrogen.com/activities/karmsund-hydrogen-no
Hydrogen production in Kaupanes, Egersund	Kaupanes Hydrogen AS	Hydrogen Solutions (HYDS), Dalane Energi, Eigersund Næring og Havn	Yes	2024	Rogaland	Eigersund	First phase (1 MW) in operation. Additional 20 MW planned, FID pending.	www.kaupaneshydrogen.no
NordBulk	LH2 Shipping AS	Strand Shipping	No	2029	Vestland	Bergen	Two 7700 dwt bulk vessels to be filled with liquefied hydrogen. Enova investment support awarded. FID pending.	www.tradewindsnews.com/bulkers/strand-shipping-teams-up-w...
HydroBulk	LH2 Shipping AS	TBA	No	2029	Vestland	Bergen	Two 5000 dwt bulk vessels to be fuelled with liquified hydrogen. Enova investment support awarded. FID pending.	www.maritimlogg.no/nyheter/bygger-verdens-forste-hydrogen...
Feasibility study on waste-to-methanol production	Mana	Equinor, NG Nordic	Yes	2026	Vestland	Alver	Mana and Equinor have entered into a strategic partnership to develop a large scale waste-to-methanol production plant at Mongstad	www.mynewsdesk.com/no/nggroup/pressreleases/mana-tar-vid-e...

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STEESMAT: Smarter power for cleaner ships	Maritime Cleantech	12 European partners	Yes	2025-2028	Vestland	Stord	The STEESMAT project will deliver the first smart DC grid system for large ships, enabling efficient integration of fuel cells and batteries for emission reduction.	www.steesmat.eu/
SeaThrive	Maritime Cleantech	10 European partners	Yes	2026-2027	Vestland	Stord	As the industry transitions to low- and zero-emission fuels, projects often face financial and regulatory barriers. SeaThrive focuses on overcoming these challenges by strengthening earlystage project development.	https://www.maritimecleantech.no/news/maritime-cleantech-...
FLAGSHIPS: Clean Waterborne Transport in Europe	Maritime Cleantech	10 European partners	Yes	2019-2026	Vestland	Stord	The FLAGSHIPS project takes zero-emission waterborne transport to a new level by deploying two commercially operated hydrogen fuel cell vessels.	www.flagships.eu/
Offshore floating ammonia	Milestone Zero	TGS	No	2033	Rogaland	Stavanger	Offshore production of ammonia from natural gas with CCS, with base case volume 800,000 tons of ammonia/year	www.milestonezero.no/
Hydrogen-fuelled fish farming boat	Moen Verft	Salmonor, Marin Design, Moen Marin, NTE Energi, H2 Marine	No	2026	Trøndelag	Nærøysund	Hydrogen powered work boat for fish farming. Planned to commence operation in 2026.	www.moenmarin.no/pilot-e-verdens-forste-hydrogendrevne-ar...
Hydrogen-powered 50 meter long bleed ship	Napier		No		Vestland	Bømlo	Norwegian NOx-fund has allocated investment support to one hydrogen-powered bleed ship for the fishing industry.	www.napier.no/
DRIV Hydrogen	NAPOP AS	DRIV Energi	Yes	2025	Akershus	Ullensaker	Reforming of biomethanol to hydrogen. 250 kg production per day.	https://drivenergi.no/privat/driv-familien/driv-hydrogen/
SIGR Krøder	NAPOP AS		No	2028	Buskerud	Krødsherad	Renewable hydrogen production from 10 MW solar power. Nearby oxygen offtake.	www.napop.no
SIGR Mistra	NAPOP AS		No	2027	Innlandet	Rendalen	Renewable hydrogen production from 10 MW solar power. Nearby oxygen offtake.	www.napop.no
Hydrogen production in Narvik	Narvik Hydrogen AS	Norwegian Hydrogen	No	2029	Nordland	Narvik	Planned renewable hydrogen and e-fuel production plant.	www.nh2.no
Construction of two new ammonia gas carriers	Navigator Amon Shipping AS	Navigator Gas, Amon Maritime, Yara Clean Ammonia	No	2028-2029	Vestfold	Sandefjord	Amon Maritime and Navigator Gas have entered into a joint venture to construct two new 51,530 cubic meter capacity ammonia fuelled liquefied ammonia carriers. Deliveries expected in June and October 2028	www.investors.navigatorgas.com/press-releases/news-detail...

Project Name	Project Owner	Partners	In Op?	Est. Start	County	Municipality	Description	Link
Industrialisation of next-generation electrolyser technology	Nel Hydrogen		Yes	2027	Oslo	Oslo	Nel has invested in a phased build-out of production of next-generation pressurized alkaline electrolysis technology.	https://nelhydrogen.com/press-release/nel-asa-strengthens...
Neptun Glomfjord Green Ammonia	Neptun Glomfjord Green Ammonia AS	Neptun Tromsø AS, Greenstat ASA	No	2028	Nordland	Meløy	First phase (20 MW) of the ammonia plant in construction. Due to come into operation early 2028. Possibility to increase to 50 MW in second phase.	www.greenstat.no/nyheter/neptun-glomfjord-green-ammonia-a...
Green Hydrogen and Ammonia in Grøtsund, Tromsø	Neptun Tromsø AS	Troms Kraft, Prime Capital AG	No	2030	Troms	Tromsø		www.neptuntromso.no
Hydrogen Production in Rjukan	Nippon Sanso		Yes		Telemark	Tinn	Nippon Sanso delivers hydrogen to consumers in industry and transport	https://eu.nipponsanso.com/no/gasser/hydrogen/
Ammonia-fuelled freight transport vessel	Norbjørn	Posten Bring, Multi Maritime	No	2028	Troms	Tromsø	Ammonia powered freight vessel planned to be operated by Posten Bring between Tromsø and Svalbard.	www.multi-maritime.no/news/nox-fondet-sttler-storstilt-ut...
Centre for Sustainable Subsurface Resources (CSSR)	NORCE	Universitetet i Bergen,++	Yes		Vestland	Bergen	Research on subsea storage of surplus energy in the form of hydrogen	www.cssr.no
MOCHyS	NORCE	University in Bergen, Uni Naples, TU Delft, Equinor, Total Energies	Yes	2023-2026	Vestland	Bergen	Microbiological Opportunities and Challenges of Hydrogen Underground Storage	www.norceresearch.no/en/projects/microbiological-opportun...
MARINER	NORCE	Vard, Sustainable Energy AS and European partners	Yes	2026-2030	Oslo	Oslo	MARINER is developing a new type of modular fuel cell system powerful enough to run large ships. The goal is a 1 MW system that can be built in modules.	www.norceresearch.no/en/projects/mariner
HyLife	NORCE	Isodetect, TUL, BRGM, Inria, Geostock, Lanxess, TotalEnergies, OMV, SLB, Corronation AS, BP	Yes	2023-2026	Vestland	Bergen	Microbiological risks associated with hydrogen underground storage in Europe	www.norceresearch.no/prosjekter/microbial-risks-associate...
Reliable metering for the hydrogen supply chain (hyMe)	NORCE	Equinor, Gassco, Shell, Total, Justervesenet	Yes	2023-2026	Vestland	Bergen	Develop new metering systems to assess quantity and quality of hydrogen with sufficient accuracy.	www.norceresearch.no/prosjekter/reliable-metering-for-the...

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HyCarbon - Low Emission Hydrogen and Carbon Value Chains	NORCE	Norce Teknolog i/Energi Rogaland, University in Stavanger, Institutt for energiteknikk Sti, Seid AS, Sustainable Energy ...	Yes	2026-2029	Rogaland	Sola	HyCarbon will optimize, pilot and develop cost-effective and low-emission value chains from natural gas or biogas to industrial products with SEID's Cold Spark methane splitting technology.	www.norceresearch.no/en/news/slam-hydrogen-og-digital-tvi...
NEXT - Natural Hydrogen Exploration Technologies	NORCE	European research partners and industry	Yes	2025-2028	Vestland	Bergen	The NEXT project focuses on improving our understanding of natural H2 systems across Europe, exploring them as a viable carbon-free energy source. This interdisciplinary project will gather new knowledge on natural H2 occurrences and potential seepage sites in Europe, which is crucial for identifying suitable targets for geological H2 extraction.	https://enviro.ubbcluj.ro/en/next-2/
HyValue	NORCE	Fridtjof Nansens Institutt (FNI), Transportøkonomisk institutt (TØI), Norges handelshøyskole (NHH), Samfunns- og næring...	Yes	2022-2030	Vestland	Bergen	The NORCE-led center HyValue is a Centre for Environment-friendly Energy Research (FME). HyValue will develop knowledge, methodology, and innovative solutions for hydrogen energy carriers.	www.hyvalue.no/about
ELEXIA	NORCE	22 partners from 8 different countries will be working together. NORCE - Norwegian Research Centre will coordinate the ...	Yes	2022-2026	Vestland	Bergen	Developing and demonstrating an integrated energy system to decarbonize islands. In this context in H2 integrated in terms of energy storage (electrolysis), balancing demand and generation via fluctuating renewables. H2 will be used for backup power generation (CHP) but also for transport. (EU project)	www.norceresearch.no/en/projects/elexia

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Nordic Roadmap for the introduction of sustainable zero-carbon fuels in shipping: Implementation and realization 2025–2027	Nordic Council of Ministers	DNV, Sintef Ocean, Everllence, IVL Swedish Environmental Research Institute, Icelandic New Energy og VTT Technical Rese...	Yes	2025-2027	Akershus	Bærum	The second phase of the Nordic Roadmap for the introduction of sustainable zero-carbon fuels in shipping builds on the existing knowledge base and translates knowledge into action. It supports both vessel decarbonisation and the development of shore-side infrastructure for sustainable fuels. The programme involves stakeholders from across the Nord...	www.norden.org/en/information/nordic-roadmap-introduction...
E-Fuel1	Nordic Electrofuel		No	2029	Telemark	Porsgrunn	The Plant E-Fuel1 at Herøya is designed for a yearly production capacity of 10 million litres of synthetic fuels.	www.nordicelectrofuel.no/what-we-do/
MoreH2 - Unlocking the full potential of green hydrogen: Towards cost-effective, durable, efficient, and flexible electrolysis	Nordic Energy Research	SINTEF, Hystar, Norwegian Hydrogen Forum, Chalmers University of Technology, Outokumpu, Alleima, Topsoe, Icelandic New ...	Yes	2023-2027	Oslo	Oslo	MoreH2 will further develop two electrolysis technologies, proton exchange membranes (PEM), and solid oxide.	www.nordicenergy.org/project/moreh2/
M/F Hydra	Norled	Linde Gas, Ballard, SEAM	Yes	2023	Rogaland	Hjelmeland	World's first liquid hydrogen-powered passenger ferry between Hjelmeland-Skipavik-Nesvik in operation	www.norled.no/nyheter/hydra-i-drift/
E-Fuel plant Mosjøen	Norsk E-Fuel AS	Gen2Energy	No		Nordland	Vefsn	Power-to-Liquids by use of Direct-Air-Capture. Production of 50 million liters of renewable fuel annually.	www.norsk-e-fuel.com/projects
E-fuel plant Nyland Øst	Norsk E-Fuel AS		No		Nordland	Vefsn	Early stage planning of E-fuel production	www.norsk-e-fuel.com/projects
E-fuel plant Eiktyr Industrial Park	Norsk E-Fuel AS		No		Trøndelag	Orkland	Early stage planning of E-fuel production at Eiktyr Industrial Park	www.norsk-e-fuel.com/projects
Rjukan Green Hydrogen	Norsk Hydrogen AS	Norwegian Hydrogen, Nel Hydrogen, Worley Rosenberg	No	2028	Telemark	Tinn	25 MW renewable H2 production and liquefaction plant to come into operation in 2028. Primarily for maritime market. FID is taken, but FID on liquefaction still pending.	www.norwegianhydrogen.com/news/investment-decision-at-rjukan
North Ammonia Fjordbase	North Ammonia		No		Vestland	Kinn		www.northammonia.com

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Slagentangen Green Ammonia	North Ammonia		No		Vestfold	Tønsberg		www.northammonia.com
Ålesund hydrogen production	Norwegian Hydrogen		No	2029	Møre og Romsdal	Ålesund	Planned renewable hydrogen plant	www.norwegianhydrogen.com/activities/hydrogen-production-...
Tau hydrogen production	Norwegian Hydrogen		No	2028	Rogaland	Strand	Hydrogen hub under development at Tau Industry Park, with hydrogen production and infrastructure for distribution.	www.norwegianhydrogen.com
Hellesylt Hydrogen Hub	Norwegian Hydrogen	Hexagon Purus, Hyon, Tafford, Sintef, Gexcon, Stranda Energi, Stranda Kommune, Innovasjon Norge, Forskningsrådet	Yes	2024	Møre og Romsdal	Stranda	Renewable hydrogen produced from excess electricity	www.norwegianhydrogen.com/activities/hellesylt-hydrogen-hub
Next Wave phase 4 - Heavy duty transport and Zero Emission Tradelines	Norwegian Hydrogen Forum	Brintbranchen, Icelandic New Energy, Vätgas Sverige, Vireon, Evig Grønn, GreenH, TEKY	Yes	2019-2026	Oslo	Oslo	The last phase of this project (from 2025-2026) will strengthen the efforts to deploy hydrogen trucks and stations throughout all Nordic countries and reduce the barriers to achieve zero-emission tradelines between the Nordics and the continent.	https://www.nordichydrogenpartnership.com/next-wave
Norwegian Navy's new submarines	Norwegian Ministry of Defence, German Federal Ministry of D...	Norwegian Defence Materiel Agency, Federal Office of Bundeswehr Equipment Information Technology and In-Service Support...	No	2029	Vestland	Bergen	Norway's new submarines shall use hydrogen for electricity production under water.	https://www.fma.no/anskaffelser/prosjekt-nye-ubater
FME NTRANS	Norwegian University of Science and Technology (NTNU)	NHH, IFE, HVL, Vestlands forskning, University of Oslo, Sintef, Samfunns- og næringslivsforskning	Yes	2019-2027	Trøndelag	Trondheim	Research on the energy transition and hydrogen from a social science perspective	www.ntnu.edu/ntrans

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REFUEL	Norwegian University of Science and Technology (NTNU)	Corvus, Frøy ASA, HPS - Haf Power Solutions, Hofseth International, Inseanergy, Norwegian Coastal Administration, Nogva...	Yes	2023-2027	Møre og Romsdal	Ålesund	Consortium consisting of R&D, industry and public administration to establish infrastructure for fishing boats, work boats for aquaculture and speed boats.	www.ntnu.edu/ihb
Notodden Energy Hub	Notodden Energi	Moreld Minox, Nel, Enfy, Thermokraft, Tinfos, Arena H2Cluster, Notodden Utvikling	Yes	2025	Telemark	Notodden	Test center for utilization of excess hydrogen including its heat and oxygen, from Nel trial electrolyser, in combination with captured CO2 for eFuel production.	www.telemarkfylke.no/no/meny/tjenester/klima/sirkulare-te...
Kråkøya production pilot	NTE		Yes	2024	Trøndelag	Nærøysund		www.nte.no/bedrift/hydrogen/?ref=nav
GMES: Green Maritime Energy Stations	Ocean Hyway Cluster	LH2Shipping, Norwegian Hydrogen, CCB Energy, Azane Fuel Solutions, HYEX Safety	Yes	2025-2026	Vestland	Kinn	This study will map maritime energy demand and grid capacity for green maritime energy stations, explore integrated concepts for green maritime energy stations, analyse economics, business models and logistics, and assess safety and interaction between multiple energy carriers.	www.oceanhywaycluster.no/projectlist/greenmaritimeenergys...
OpenDesign	Ocean Industries Concept Lab		Yes	2026	Oslo	Oslo	Integrating human-centred design to improve safety in ship design and maritime hydrogen technology.	www.aho.no/english/about/news/accelerating-zero-emission-...
Hardanger Hydrogen Hub	Odda Technology	INEOS Tyssedal, TechnipFMC	No		Vestland	Ullensvang	Combining replacement of coal with hydrogen for the production of ilmenite at INEOS Tyssedal with parallel projects on distribution and subsea storage.	https://hardangerhydrogenhub.no/
Seasonal energy storage system for households	Photoncycle		No	2027	Oslo	Oslo	Accelerating the commercial rollout of seasonal solid-state hydrogen-based energy storage system in Denmark and the Netherlands. First 1.4 TWh annual manufacturing capacity to come online in 2027.	www.photoncycle.com/en/news/photoncycle-raises-eur15m-to-...

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Powered by Telemark - Hydrogennettverket	Powered by Telemark	Herøya Industripark, INEOS Inovyn, Yara, USN, Hydrogenious LOHC Technologies, Nordic Electrofuel, Infener	Yes		Telemark	Porsgrunn	Regional industry network centered around Herya Industrial Park, aiming to scale up production and use of hydrogen and hydrogen-based fuels.	www.telemarkfylke.no/no/meny/tjenester/klima/sirkulare-te...
H2NEO and H2LEO - hydrogen bunkering vessels	Provaris Norway		No	2030	Oslo	Oslo	Vessels for large scale distribution and bunkering of compressed hydrogen. Innovation center for production and testing of tank design established at Fiskå.	www.provaris.energy/news/provaris-and-baker-hughes-sign-s...
NORHyWAY Large-scale Hydrogen Valley	RENERGY	Sintef, Equinor, Ballard, nevel, NTE, TEKY, Vysus Group, ASKO, Moen Marin, Sandnes Transport og Terminal, Tensio, HyEne...	Yes	2026-2030	Trøndelag	Trondheim	Large-scale hydrogen valley. The project demonstrates a fully integrated and scalable Hydrogen Valley ecosystem with effective Valley structuring, project financing mechanisms, and market integration strategies. A digital marketplace will connect hydrogen producers and consumers with bankable offtake agreements and viable pricing models.	www.renergycluster.no/no/norhyway
HYPERION: Hydrogen Uptake in European Regions	Rogaland County Council	9 European regional councils, chambers of commerce and research organisations.	Yes	2024-2028	Rogaland	Stavanger	Interregional learning on how to build regional ecosystems for a sustainable industrial transition based on hydrogen solutions.	www.interregeurope.eu/hyperion
SeaShuttle	Samskip	Ballard	No	2027	Akershus	Bærum	Two hydrogen-powered, remotely controlled and autonomous-ready containerships to commence operation early 2027 . The ships will operate between Oslo fjord and Rotterdam.	www.samskip.com/sustainability/

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Zerokyst	Selfa Arctic AS	SINTEF, Hymatech, Siemens Energy, Ballstad Slip, H2 Marine, Plug Lofotkraft, Flakstad kommune, renergy, Øra AS, NTU	Yes		Trøndelag	Trondheim	The ZeroKyst consortium is spearheading the green shift of the fishing and agriculture sector, by demonstrating the feasibility and safe operation of H2-electric vessels. Project shall contribute to 1 new-built hydrogen-fueled vessel and 10 rebuilt vessels.	www.zerokyst.no
BeBoP	SINTEF	Deutsches zentrum für Luft- und Raumfahrt EV, Garrett Motion France SAS, Freudenberg filtration technologies GMBH, Sil...	Yes	2025-2028	Trøndelag	Trondheim	BeBoP Hydrogen aims to develop better and more cost-effective components for fuel cell systems, which will make the systems more efficient and reliable for heavy-duty vehicles and other mobility sectors.	www.bebop-hydrogen.eu/
GAMMA - Green Ammonia and Biomethanol fuel Maritime Vessels	SINTEF	Several international partners	Yes	2024-2029	Trøndelag	Trondheim	Rebuilding bulk ship to sail on green energy. Installation of new fuel system for conversion of ammonia and green methanol to electricity through hydrogen (fuel cell).	www.sintef.no/siste-nytt/2024/skal-teste-nytt-klimanoytra...
CLEANER	SINTEF	VTT, ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG, Powercell Sweden AB, PRETEXO, Fondazione Bruno Kessler, UKRGASVYD OBUVANNYA J...	Yes	2024-2027	Trøndelag	Trondheim	The aim of CLEANER is to develop and demonstrate for more than 5000 hours a >100 kW PEM fuel cell system operating on industrial quality hydrogen.	www.cordis.europa.eu/project/id/101137799
Pol(Hy)Mer	SINTEF	University of Bologna, Equinor, Gassco, Seal Eng., Nexans, DNV, NTNU	Yes	2025-2028	Trøndelag	Trondheim	Building knowledge on the compatibility of polymers for the hydrogen transport infrastructure	www.prosjektbanken.no/en/project/FORISS/352862?Kilde=FORI...

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DECAMMP	SINTEF	LowEmission partners, Johnson Matthey	Yes	2023-2027	Trøndelag	Trondheim	DECAMMP will contribute to overcoming key technical barriers to ammonia cracking, such as the lack of affordable catalysts that work at low temperatures. This would enable the surplus energy that is available in the offshore installations to be utilized.	www.sintef.no/en/projects/2023/decammp-decomposed-ammonia...
Shimmer	SINTEF	TECNALIA, SNAM, POLITO, BAM, ENAGAS, GASSCO, GAZ-SYSTEM, GERG, INIG, INRETE, REDEXIS, TNO	Yes	2023-2026	Trøndelag	Trondheim	The SHIMMER project aims to enable a higher integration and safer hydrogen injection management in multi-gas networks by contributing to the knowledge and better understanding of hydrogen projects, their risks, and opportunities.	www.shimmerproject.eu/
ReSistH2 - Robust metal barriers for safe use of hydrogen infrastructure	SINTEF	NTNU, Equinor, Hydro, Prodtex Norge, Bergen Engines	Yes	2025-2029	Trøndelag	Trondheim	The project will provide a knowledge basis on protective barriers that can prevent hydrogen embrittlement of the underlying base material when exposed to high-pressure hydrogen gas.	www.sintef.no/en/sintef-industry/
Hy4GET	SINTEF	University of Bergen, Equinor, AkerBP, OMV, Repsol, Sval, Total, Vår Energi	Yes	2023-2027	Trøndelag	Trondheim	Building knowledge on the possibility to manufacture salt caverns for hydrogen storage in the Norwegian North Sea	https://prosjektbanken.forskningsradet.no/en/project/FORI...
UNICORN	SINTEF	HyStar, Alleima, Research Institutes of Sweden (RISE), Ionomr Innovations Inc., The French Corrosion Institute, Centre ...	Yes	2023-2026	Trøndelag	Trondheim	The main objective of the UNICORN project is to develop and demonstrate a proton exchange membrane (PEM) electrolyser stack with increased performance, reduced CAPEX, and increased sustainability compared to current PEM electrolyser systems. In this project, a 40 kW stack that contains novel, beyond state-of-the-art components will be built and te...	www.sintef.no/siste-nytt/2023/gjor-gront-hydrogen-enda-gr...

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HyLine I & II	SINTEF	Kyushu University, Max Planck Institute für Eisenforschung, University of Poitiers, Equinor, Gassco, TechnipFMC, AirLiqu...	Yes	2023-2027	Trøndelag	Trondheim	HyLINE will address the pipeline material challenges related to transporting clean hydrogen gas in the existing subsea pipeline infrastructure for natural gas transport as well as new pipeline infrastructure.	www.sintef.no/en/projects/2023/hyline-ii-safety-and-integ...
MatHias	SINTEF	Technical Research Centre of Finland, NTNU, University of Oulu, Uppsala University, Aker Horizons Asset Development, SS...	Yes	2022-2026	Trøndelag	Trondheim	The project will 1) Identify, and bench mark a matrix of vintage and modern pipeline steels, 2) characterize the steels by applying state-of-the-art test methods in relevant environmental conditions, 3) build a material database with mechanical properties and microstructural features as a function of hydrogen and temperature and finally 4) develop...	www.nordicenergy.org/article/five-projects-recommended-fo...
SUSTAINCELL	SINTEF	CNRS, CEA, FZJ-HI ERN, DTU, TECNALIA, VTT, DLR, EPFL, HESSO	Yes	2023-2028	Oslo	Oslo	The SUSTAINCELL project aims at supporting the European industry in the development of the next generation electrolyser and fuel cell technologies (both low and high temperature) by developing a sustainable European supply chain of materials, components and cells, significantly less reliant on critical raw materials (CRM), with lower environmental...	www.sustaincell.eu/
HyPowerGT	SINTEF	Baker Hughes, SNAM, ETN Global, CERFACS, Lucart, Zürich University of Applied Sciences, TotalEnergies Onetech, Equinor	Yes	2024-2027	Trøndelag	Trondheim	Gas turbine engine to tested with H2 blends	www.hypowertg.eu

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PROTOSTACH	SINTEF	SHELL, CoorsTek Membrane Science, Atena, DEMCON Energy Systems, CSIC	Yes	2023-2026	Oslo	Oslo	The project aims to demonstrate the competitive advantage of Pressurized Proton Ceramic Electrolysis (PCCEL) technology. The central concept of PROTOSTACK is a new stack technology with tolerance for high pressure operation, and experimentally demonstrate its operation up to 30 bar in a 5kW stack panel.	www.protostack.eu/
FME Hydrogeni	SINTEF	6 R&D; partners (SINTEF, IFE, NTNU, UiO, USN, UiT), 4 energy companies (equinor, gassco, vår energi, wintershall dea), 4...	Yes	2022-2030	Trøndelag	Trondheim	HYDROGENi is a Centre for Environment-friendly Energy Research (FME) that will spearhead the hydrogen and ammonia innovations needed to fulfil the 2030 and 2050 visions of this Norwegian hydrogen roadmap.	www.hydrogeni.no
REFHYNE I & II	SINTEF	Shell, ITM Power, ITM Linde Electrolysis, Tecnalia, Element Energy, Concawe	Yes	2021-2029	Trøndelag	Trondheim	SINTEF coordinates the projects on large electrolyzer installation in Germany. REFHYNE I installed 10 MW, REFHYNE II installs 100 MW which will come online in 2027. Several of the project's R&D; activities are conducted in Norway.	www.refhyne.eu/
NordicH2ubs	SINTEF	NTNU, Technical Research Centre of Finland (VTT), Chalmers University of Technology, Aalborg University, DBI (The Danis...	Yes	2022-2026	Trøndelag	Trondheim	The project links different research perspectives and cover multiple industry sectors. Five case studies will improve our understanding on how to ensure successful cross-sectorial linkage between Nordic hydrogen hubs across land and sea towards 2030 and 2040.	https://www.nordicenergy.org/projects/nordic-hydrogen-hub...

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PyroCO2	SINTEF	Again, Danmarks Tekniske Universitet, Arkema France Sa, Centre National de la Recherche Scientifique CNRS, Karlsruher I...	Yes	2021-2027	Trøndelag	Trondheim	The PYROCO2 demonstrator plant will be able to produce at least 4,000 tonnes acetone annually from 9,100 tonnes of industrial CO2 and green hydrogen.	www.pyroco2.eu
SafeAm	SINTEF	NTNU, Universitetet i Sørøst-Norge, Equinor, TotalEnergies, Sval Energi, DNO, OMV, Repsol, Wintershall, ConocoPhillips,...	Yes	2023-2027	Trøndelag	Trondheim	SafeAm aims at accelerating the implementation of new value chains for ammonia as a zero-emission fuel and energy carrier by improving safety systems' design and procedures for handling accidental spills.	www.sintef.no/en/projects/2023/safeam__increased_safety_o...
MECALO	SINTEF	Elkem, Eramet Ideas, PDC, LIST, SAKOWIN Green Energy, ETA, SINTEF Energy, INERIS, BTG, ITPE, GLATT, JM.	Yes	2024-2028	Trøndelag	Trondheim	MECALO will develop a new Critical Raw Materials production pathway where renewable hydrogen is used indirectly to replace fossil carbon.	www.mecaloproject.eu/
H2Glass	SINTEF	Stam SRL, Steinbeis Innovation GMBH, We Plus SPA, NTNU, Stara Glass SPA, Steklarna Hrastnik Druzba za Proizvodnju...	Yes	2023-2027	Trøndelag	Trondheim	Advancing hydrogen (H2) technologies and smart production systems to decarbonise the glass and aluminium sectors	www.h2-glass.eu/

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H2Accelerate Trucks	SINTEF	Daimler Truck, Volvo Group, Iveco, Shell, Everfuel, Totalenergies, Element Energy, VTT	Yes	2023-2030	Trøndelag	Trondheim	The deployment of eight heavy-duty hydrogen refuelling stations under the Connecting Europe Facility and a 150 fuel cell truck project	www.h2accelerate.eu
SURFER	SINTEF	Varanger Kraft, DNV & European partners	Yes	2026-2029	Trøndelag	Trondheim	The Clean Hydrogen Joint Undertaking's project SURFER aims to facilitate the widespread deployment of variable renewable energy sources by demonstrating the use of flexible electrolyzers as dynamic energy buffers.	www.sintef.no/en/projects/2026/surfer-supporting-uptake-o...
SCARLET	SINTEF	ESPCI, IEE Slovak Academy of Sciences, RIFS Potsdam, RSE, University of Bologna, WavEC, Absolut System, ASG Superconduct...	Yes	2022-2027	Trøndelag	Trondheim	The EU project SCARLET (Superconducting cables for sustainable energy transition) develops and industrially manufactures superconducting cable systems at the gigawatt level, bringing them to the last qualification step before a commercial installation. SCARLET develops medium-voltage DC cables for multiple purposes. For instance, the high current ...	www.scarlet-project.eu
ZEESA	SINTEF	UNIS, CICERO, Store Norske Energi, Statkraft, Longyearbyen lokalstyre	Yes	2023-2026	Trøndelag	Trondheim	ZEESA will build knowledge on how to design and operate renewable thermal-electrical integrated energy systems in the Arctic.	https://www.cicero.oslo.no/no/prosjekter/zeesa-hvordan-ut...
Four ammonia or methanol ready short-sea MPVs	Skarv Shipping Solutions	Wärtsilä	No	2026-2027	Vestland	Bergen	The design of these four 7.000 DWT, low-carbon, multipurpose vessels includes an optimised engine ready for ammonia or methanol, batteries, a shore-power system, peak shaving with a dynamic propeller drive system, and a high-voltage switchboard prepared for fuel cells or increased battery capacity.	www.skarvshipping.com/skarv-shipping-solutions-orders-fou...
Zero emission timber transport	Skarv Shipping Solutions	Viken AT Market, AT Skog, Arriva Shipping	No	2027	Vestland	Bergen	Starting in the summer of 2027, Viken AT Market will move part of its timber transport to a brand-new vessel that will run on electricity and ammonia. Skarv also has 4 further vessels in order and in delivery with ammonia-ready engines.	www.skarvshipping.com/first-out-with-timber-transport-on...

Project Name	Project Owner	Partners	In Op?	Est. Start	County	Municipality	Description	Link
Skipavika Green Ammonia (SkiGa)	Skiga AS	Fuella AS, Casale, EnBW	No	2030	Vestland	Gulen	Awarded 81 million EUR in European Hydrogen Bank	www.fuella.no/projects/project-skipavika/
GreenHydra: Improving policies for engaging SMEs in the green hydrogen ecosystem	Sogndal Municipality	Sognekraft, Vestland County Council, Western Norway University of Applied Sciences, Sogn Næring	Yes	2024-2028	Vestland	Sogndal	Study on the preconditions needed for a succesful hydrogen endeavour in the Sogn region, as well as how regional SMEs can contribute to the hydrogen value chain.	www.interregeurope.eu/green-hydra#project-summary
Stord Hydrogen	Stord Hydrogen AS	Hydrogen Solutions (HYDS), Sustainable Energy Catapult, Alltec Services, Greenstat	Yes	2023	Vestland	Stord	Renewable hydrogen production in operation	www.stordhydrogen.no/
Sustainable Energy Test Center	Sustainable Energy Catapult		Yes	2018	Vestland	Stord	Sustainable Energy is one of 5 Norwegian Catapult Centers. The center helps developing and testing sustainable solutions for producing, storing, distributing and managing energy - from prototype development and testing in laboratory environments to finished products that need to be tested in operational facilities on land, on ships and in marine e...	www.sustainableenergy.no/en/
Hydrogen ferries at Vestfjorden	Torghatten Nord	Myklebust Verft	No	2027	Nordland	Bodø	2 hydrogen ferries to operate between Bodø and Moskenes (Lofoten islands) from early 2027. Capacity 120 cars, 599 passengers.	www.torghatten.no/about/news/20dbd10b-2777-4b03-9122-27b2...
Exodus	Transitus Energy		No	2030	Vestland	Øygarden	Exodus aims to produce an initial 30 tonnes per day of low-carbon hydrogen, with plans for later further expansion.	www.transitusenergy.com/projects
HyEkoTank - Fuel cell retrofit	UIT Arctic University of Norway	Shell, Umoe Advanced Composites, Blom Maritime, TECO Solutions, Samskip	Yes	2023-2026	Nordland	Narvik	Retrofit of existing ship with fuel cells and hydrogen	www.cordis.europa.eu/project/id/101096981

Project Name	Project Owner	Partners	In Op?	Est. Start	County	Municipality	Description	Link
HYDRA - Diagnostic tools and risk protocols to accelerate underground hydrogen storage	University in Bergen	8 research partners, 10+ storage site operators, 40+ researchers and expert advisors	Yes	2025-2028	Vestland	Bergen	This EU-funded project aims to advance the understanding and implementation of underground hydrogen storage across Europe	www.hydrahydrogen.eu/about-us/
NCS2030: National Centre for Sustainable Subsurface Utilization of the Norwegian Continental Shelf	University in Stavanger	University in Bergen, NORCE, IFE	Yes	2022-2029	Rogaland	Stavanger	The research centre will find solutions that maximize the value creation of energy resources on the Norwegian Continental Shelf, while at the same time achieving the net-zero goals.	www.uis.no/en/research/about-ncs2030
Green Ammonia Berlevåg	Varanger Kraft	Aker Horizon	No	2030	Finnmark	Berlevåg		www.varanger-kraft.no/hydrogen-1/
Berlevåg Hydrogenfabrikk	Varanger Kraft Hydrogen AS		Yes	2025	Finnmark	Berlevåg	Producing 1 ton hydrogen per day	www.varanger-kraft.no/hydrogen-1/
Hydrogen Refuelling Station (HRS)	Varanger Kraft Hydrogen AS		No	2026	Finnmark	Berlevåg	Refuelling for hydrogen passenger cars in municipal use	www.varanger-kraft.no/hydrogen-1/
NavHyS	Vard	European partners	Yes	2025-2027	Møre og Romsdal	Ålesund	By the end of the project in 2027, NavHyS will deliver approved design of a vessel equipped with a 200-300 m3 tank below-deck, carrying 12 to 18t of liquid hydrogen bunkered in less than 2 hours. This will enable a zero-emission strategy for the construction and maintenance of offshore wind farms, where the long distances to plants necessitate an ...	www.vard.com/articles/navhys-marks-one-year-of-hydrogen-i...
MS Skulebas - hydrogen-fueled school ship	Vestland County Council	Hvide Sande, Hexagon Purus, Corvus	No		Vestland	Bergen	38 meter long school ship possibly to be installed with hydrogen Fuel Cell System. To be decided in June 2026.	www.corvusenergy.com/success-stories/ms-skulebas-world-s-f...
H2CoVE	Vestland County Council	Western Norway University of Applied Sciences, Sustainable Energy Catapult, Fagskolen Vestland, Norwegian Hydrogen Foru...	Yes	2024-2028	Vestland	Bergen	H2CoVE builds local ecosystems for H2 skills to equip the European workforce with the right and necessary high quality vocational skills.	www.h2cove.eu/

Project Name	Project Owner	Partners	In Op?	Est. Start	County	Municipality	Description	Link
2 Hydrogen-powered cruise ships	Viking Cruises	Fincantieri	No	2026 & 2027	Oslo	Oslo	Viking Libra will be the world's first hydrogen-powered cruise ship when it enters into operation in late 2026. Viking Astrea is in construction and will be delivered in 2027.	https://www.vikingcruises.co.uk/press/press-releases/2026...
Hellesylt Refueling Station (HRS)	Vireon AS		Yes	2024	Møre og Romsdal	Stranda		www.vireon.com/our-stations
SmartGasNet - Metrology for smart metering in gas networks	VSL	LEI, CMI, PTB, DTU, ERIG, GERG, NORCE, TNO, UL, Siemens	Yes	2025-2028	Vestland	Bergen	This work will improve the metering of gas networks, facilitating the uptake of renewable energy gases with improved safety and reliability to meet the targets needed to decarbonise the EU gas grid.	https://www.norceresearch.no/en/projects/smartgasnet-metr...
14 Pure Car Truck Carrier (PCTC) ships with dual fuel engines	Wallenius Wilhelmsen		No	2026	Akershus	Bærum	Wallenius Wilhelmsen has 14 dual-fuel methanol ready vessels in order, the first of which will be delivered in 2026.	www.walleniuswilhelmsen.com/insights/2024-a-hectic-humbli...
HERCHET: Higher Education and Research Collaboration on Hydrogen and Enabling Technologies	Western Norway University of Applied Sciences	Coimbatore Institute of Technology, University of Madras, Alagappa University, University of Stavanger, CSIR-NIIST, PSG...	Yes	2025-2028	Vestland	Bergen	The HERCHET project shall strengthen collaboration between Norway and India on hydrogen related higher education and research.	www.herchet.online/
Development of photochemical reactors in saltwater systems	Western Norway University of Applied Sciences	NORCE, University of Jaffna	Yes	2026-2029	Vestland	Bergen	Development of new reactor concept for production of hydrogen from seawater, by use of direct sunlight	www.hvl.no/samarbeid/hydrogen/forsking
Green hydrogen production through photocatalytic splitting of water	Western Norway University of Applied Sciences		Yes		Vestland	Bergen	Experimental study	www.hvl.no/samarbeid/hydrogen/forsking
Synthesis and characterisation of new nanomaterials for hydrogen production	Western Norway University of Applied Sciences		Yes		Vestland	Bergen	Experimental study	www.hvl.no/samarbeid/hydrogen/forsking
HELENUS - Solid Oxide Fuel Cells for Cruise Ships	Wärtsilä	Several international partners	Yes	2022-2027	Vestland	Bergen	Demonstrating the feasibility of SOFC to provide heat and power onboard cruise vessels. Wärtsilä Norway participates alongside several European partners.	www.helenus.eu/about-the-helenus-project/

Project Name	Project Owner	Partners	In Op?	Est. Start	County	Municipality	Description	Link
Yara Eyde Ammonia Container Ship	Yara Clean Ammonia	North Sea Container Line, Yara International, CMB.TECH	No	2026	Oslo	Oslo	The ship will be in traffic between Oslo and Brevik in Norway and Hamburg and Bremerhaven in Germany	www.yara.com/corporate-releases/steel-cut-for-yara-eyde-...
Green Ammonia Porsgrunn (SKREI)	Yara International		Yes	2024	Telemark	Porsgrunn	24 MW PEM electrolysis plant in operation since June 2024. Cutting 41.000 tonnes of CO2 emissions annually from the Herøya fertilizer plant.	www.yara.com/news-and-media/media-library/press-kits/rene...
ODIN - Operations to Decarbonize Interconnectivity in Norway	Zero Avia		No	2028	Oslo	Oslo	EU Innovation Fund has supported retrofit of 15 Cessna Caravan aircraft to hydrogen, with operations planned to commence at 15 Norwegian airports in 2028.	www.zeroavia.com/zeroavia-successful-in-e21m-european-uni...
Ship-aH2oy	Østensjø	Edda Wind, Hydrogenious LOHC Maritime, Maritime CleanTech, DNV and other European partners	Yes	2023-2027	Rogaland	Haugesund	Develop Liquid Organic Hydrogen Carrier (LOHC) as ship fuel	www.shipah2oy.eu/
Å Energi Green Ammonia	Å Energi		No	2030	Agder	Kvinesdal		www.aenergi.no/no/fornybar-energi/ammoniakk
Pikerfoss hydrogen pilot	Å Energi		No	2027	Buskerud	Kongsberg	In construction. Operation to commence in first half of 2027.	www.kommunikasjon.ntb.no/pressemelding/18563753/byggesta...

Production Projects Production of hydrogen and hydrogen-based fuels — 58 projects

Overview of Norwegian hydrogen production projects as of 28 May 2026, compiled by **Norwegian Hydrogen Forum**. Sorted alphabetically by project owner.

FID = Yes	Final Investment Decision taken	MW 2026 / 2030 / 2035	Planned production capacity in megawatts for given year
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This list is only available to members of Norwegian Hydrogen Forum and shall not be shared outside of your organisation. Sharing with owner companies is not permitted. Please refer to Norwegian Hydrogen Forum when sharing information from the overview.

Project Name	Project Owner	Partners	FID	Est. Start	MW 2026	MW 2030	MW 2035	County	Municipality	Description	Link
Hydrogen production from biogas	Arda Energy		No	2031				Nordland	Rana	Planning 2-4 tons H2 production per day, using biogas as feedstock with Arda Light™ technology.	www.ardaenergy.no
Tiller Fueling station	ASKO Midt-Norge		Yes	2020				Trøndelag	Trondheim	Fueling station for ASKO, Norway's largest wholesaler. Local H2 production for supply of ASKO's hydrogen trucks.	www.asko.no/nyhetsarkiv/asko-lanserer-verdens-forste-hydr...
Barents Blue Clean Ammonia	Barents Clean Ammonia AS	Barents Blue AS, Proton Ventures	No	2031			625	Finnmark	Hammerfest	Planning to produce 3 000 tons low carbon NH3 per day, with operations to commence in 2031. FID planned in 2027.	www.barentsblue.no
Borg Hydrogen Hub	Borg Hydrogen AS	Viken Hydrogen, Borg Havn IKS, Kronos Titan	No	2028		5	15	Østfold	Fredrikstad	Viken Hydrogen and Borg Port Authorities have agreed to develop a hydrogen hub for industrial and maritime consumption. Production capacity in the first phase is 5 MW, with possibility to scale up to 15 MW.	www.vikenhydrogen.no/skal-utvikle-gront-hydrogen-til-indu...
Holmaneset GAP: - Green Ammonia Production to fill the gap in Europe's energy supply	Fortescue Future Industries		No	2029		300	300	Vestland	Bremanger	Large-scale hydrogen and ammonia production	www.fortescue.com/what-we-do/our-projects/holmaneset
Renewable ammonia Plant in Korgen	Fuella AS		No	2031			560	Nordland	Hemnes	Secured 560 MW grid capacity to develop large scale ammonia production	www.fuella.no/two-green-ammonia-projects-in-hemnes-become...
Hydrogen production at Nesbruket, Mosjøen	Gen2 Energy		No	2029		195	195	Nordland	Vefsn	First phase 110 MW. Winner in third EU hydrogen bank auction. Further 85 MW may be added shortly after begin of operation. FID pending.	www.gen2energy.com/production-sites/?_gl=1*2j_uu1q*_up*MQ....
Hydrogen production at Monstad Havneområde, Åfjord	Gen2 Energy		No	2030		150	150	Trøndelag	Åfjord	Reserved 150 MW grid capacity for the production of renewable hydrogen	www.gen2energy.com/production-sites/?_gl=1*2j_uu1q*_up*MQ....

Project Name	Project Owner	Partners	FID	Est. Start	MW 2026	MW 2030	MW 2035	County	Municipality	Description	Link
Farsund hydrogen production	Gen2 Energy		No	2031			150	Agder	Farsund		www.gen2energy.com/production-sites/?_gl=1*2j_uu1q*_up*MQ....
Holandsvika hydrogen production	Gen2 Energy		No	2032			500	Nordland	Mosjøen		www.gen2energy.com/production-sites/?_gl=1*2j_uu1q*_up*MQ....
Glencore Nikkelverk	Glencore Nikkelverk		Yes	2024	5	5	5	Agder	Kristiansand	Hydrogen used to produce hydrochloric acid.	www.nikkelverk.no
Bio-E-Methanol production at Øyer	Glocal Green	Norwegian Hydrogen	No	2030		30	120	Innlandet	Øyer	150.000 tonnes bio-e-methanol annually based on biological waste and residual industrial raw materials. Planned to come into operation in early 2030s	www.glocalgreen.com/en/
Hydrogen production at Fauske Industrial Park	Glomfjord Hydrogen AS	Salten Kraftsamband (SKS), Indre Salten Energi	No	2029		30	30	Nordland	Fauske	Glomfjord Hydrogen has applied for 30 MW capacity from local Distribution System Operator (DSO) Arva AS to produce renewable hydrogen.	www.nrk.no/nordland/nytt-samarbeid-for-etablerin-g-av-hydr...
GreenH Bodø	GreenH		Yes	2027		20	20	Nordland	Bodø	In construction. Operation to commence in early 2027.	www.greenh.no/greenh-og-luxcara-tar-investering-sbeslutnin...
Slagentangen Hydrogen	GreenH	Grieg New Energy	Yes	2028		10	10	Vestfold	Tønsberg	Construction phase	www.greenh.no/gar-mot-hydrogenproduksjon-pa-slagentangen%...
GreenH Kristiansund	GreenH		Yes	2028		10	10	Møre og Romsdal	Kristiansund	Construction phase	www.greenh.no/norsea-group-og-greenh-inngar-samarbeid-om-...
GreenH Hammerfest	GreenH		No	2029		7.5	7.5	Finnmark	Hammerfest	Awarded 21,9 MEUR in EU hydrogen auction	www.greenh.no/eu-gir-stotte-til-planlagt-hydrogen-anlegg-i-...
GreenH Sandnessjøen	GreenH		No	2030		20	30	Nordland	Alstahaug	Reserved 20 MW grid capacity for production of renewable hydrogen	www.greenh.no/prosjekter/
RogalandH2	GreenH		No	2030		12.5	12.5	Rogaland	Strand	Allocated funding from European Hydrogen Bank third auction	www.greenh.no
Renewable ammonia production in Kjøllefjord, Lebesby municipality	Green Nordic AS		No	2032				Finnmark	Lebesby	Planned to commence operation between 2030 and 2032, on the precondition that wind power projects and electricity grid to Adamselv are realised.	www.ifinnmark.no/kan-fa-ny-storindustri-til-bygda-stolte-...
Agder Hydrogen Hub	Greenstat	FDE	Yes	2026		60	60	Agder	Kristiansand	20 MW renewable hydrogen plant in construction, due to come into operation towards end of 2026. Plan to increase to 60 MW total capacity in phase 2 from 2028.	www.greenstat.no/prosjekter/hydrogenknutepunkt-agder

Project Name	Project Owner	Partners	FID	Est. Start	MW 2026	MW 2030	MW 2035	County	Municipality	Description	Link
P2XFloater in Kifjorden	H2Carrier AS		No	2032			500	Finnmark	Gamvik	P2XFloater - Floating ammonia production	www.h2carrier.com
P2XFloater in Kongsfjord	H2Carrier AS		No	2034			500	Finnmark	Båtsfjord	P2XFloater - Floating ammonia production	www.h2carrier.com
Large Scale Test Center	Herøya Industripark	Powered by Telemark, Skagerak Energi, Equinor, Proventia	Yes	2025	10	25	25	Telemark	Porsgrunn	Large scale test center for hydrogen and ammonia	www.proventia.no/katapult/
Høyanger Hydrogen Project	Hydro Havrand	Hydro Høyanger	Yes	2026-2029	5	5	50	Vestland	Høyanger	5 MW pilot for zero emission recycling of aluminium to enter operation mid-2026, for three years testing. Possible expansion in step 2.	www.hydro.com/no/global/media/news/2024/hydro-tar-nytt-st...
Meraker Hydrogen	Hydrogen Solutions	NTE, Greenstat	No	2029		10	10	Trøndelag	Meråker	Meraker Hydrogen will produce renewable hydrogen from locked-in electricity for deliveries to key infrastructure hubs in the region serving multiple applications. The hydrogen plant is located close to road such as E6, E14 and railways Meråkerbanen and Norlandsbanen. In addition Muruvik port is in near proximity for export.	www.merakerhydrogen.no
HyFuel	Hydrogen Solutions	Fjord Base, SFE	Yes	2028		20	20	Vestland	Kinn	Production plant in construction, due to commence operation in 2028.	www.hyfuel.no/
HyPilot	Hystar	Yara, Equinor, Gassco, ABB	Yes	2024	1			Rogaland	Tysvær	Demonstration of Hystars PEM electrolyser with world leading energy efficiency.	www.hystar.com/projects/
Replacing coal with hydrogen to produce titanium slag and high-purity pig iron from ilmenite	INEOS Tyssedal		No	2032			75	Vestland	Ullensvang	Replacing coal with hydrogen to produce titanium slag and high-purity pig iron from ilmenite	www.ineos.com/businesses/ineos-enterprises/businesses/ine...
eFuel production at Mo Industrial Park	Infinium	SMA Mineral	No					Nordland	Rana	Capacity to produce an initial 2 000 barrels per day of eFuels including eSAF, eDiesel and eNaphtha with the capacity to expand.	www.infiniumco.com/news/sma-mineral-partners-with-infiniu...

Project Name	Project Owner	Partners	FID	Est. Start	MW 2026	MW 2030	MW 2035	County	Municipality	Description	Link
Karmsund hydrogen	Karmsund Hydrogen AS	Norwegian Hydrogen, Sigma, Karmsund Group, HydePoint	No	2029		20	20	Rogaland	Karmøy	Karmsund Hydrogen is partnering with HydePoint to build a green hydrogen facility in Karmsund, aimed at cutting emissions in local industry. The facility will be located at Karmsund Group's Service Base, offering direct access to hydrogen users in both the maritime and onshore sectors.	www.norwegianhydrogen.com/activities/karmsund-hydrogen-no
Hydrogen production in Kaupanes, Egersund	Kaupanes Hydrogen AS	Hydrogen Solutions (HYDS), Dalane Energi, Eigersund Næring og Havn	Yes	2024	1	21	21	Rogaland	Eigersund	First phase (1 MW) in operation. Additional 20 MW planned, FID pending.	www.kaupaneshydrogen.no
Offshore floating ammonia	Milestone Zero	TGS	No	2033			493	Rogaland	Stavanger	Offshore production of ammonia from natural gas with CCS, with base case volume 800,000 tons of ammonia/year	www.milestonezero.no/
DRIV Hydrogen	NAPOP AS	DRIV Energi	Yes	2025				Akershus	Ullensaker	Reforming of biomethanol to hydrogen. 250 kg production per day.	https://drivenergi.no/privat/driv-familien/driv-hydrogen/
SIGR Krøder	NAPOP AS		No	2028		6	6	Buskerud	Krødsherad	Renewable hydrogen production from 10 MW solar power. Nearby oxygen offtake.	www.napop.no
SIGR Mistra	NAPOP AS		No	2027		6	6	Innlandet	Rendalen	Renewable hydrogen production from 10 MW solar power. Nearby oxygen offtake.	www.napop.no
Hydrogen production in Narvik	Narvik Hydrogen AS	Norwegian Hydrogen	No	2029		10	100	Nordland	Narvik	Planned renewable hydrogen and e-fuel production plant.	www.nh2.no
Neptun Glomfjord Green Ammonia	Neptun Glomfjord Green Ammonia AS	Neptun Tromsø AS, Greenstat ASA	Yes	2028		20	50	Nordland	Meløy	First phase (20 MW) of the ammonia plant in construction. Due to come into operation early 2028. Possibility to increase to 50 MW in second phase.	www.greenstat.no/nyheter/neptun-glomfjord-green-ammonia-a...
Green Hydrogen and Ammonia in Grøtsund, Tromsø	Neptun Tromsø AS	Troms Kraft, Prime Capital AG	No	2030		30	30	Troms	Tromsø		www.neptuntromso.no
Hydrogen Production in Rjukan	Nippon Sanso		Yes		1	1	1	Telemark	Tinn	Nippon Sanso delivers hydrogen to consumers in industry and transport	https://eu.nipponsanso.com/no/gasser/hydrogen/
E-Fuel1	Nordic Electrofuel		No	2029				Telemark	Porsgrunn	The Plant E-Fuel1 at Herøya is designed for a yearly production capacity of 10 million litres of synthetic fuels.	www.nordicelectrofuel.no/what-we-do/

Project Name	Project Owner	Partners	FID	Est. Start	MW 2026	MW 2030	MW 2035	County	Municipality	Description	Link
E-fuel plant Nyland Øst	Norsk E-Fuel AS		No					Nordland	Vefsn	Early stage planning of E-fuel production	www.norsk-e-fuel.com/projects
E-fuel plant Eiktyr Industrial Park	Norsk E-Fuel AS		No					Trøndelag	Orkland	Early stage planning of E-fuel production at Eiktyr Industrial Park	www.norsk-e-fuel.com/projects
Rjukan Green Hydrogen	Norsk Hydrogen AS	Norwegian Hydrogen, Nel Hydrogen, Worley Rosenberg	Yes	2028		50	50	Telemark	Tinn	25 MW renewable H2 production and liquefaction plant to come into operation in 2028. Primarily for maritime market. FID is taken, but FID on liquefaction still pending.	www.norwegianhydrogen.com/news/investment-decision-at-rjukan
North Ammonia Fjordbase	North Ammonia		No					Vestland	Kinn		www.northammonia.com
Slagentangen Green Ammonia	North Ammonia		No					Vestfold	Tønsberg		www.northammonia.com
Ålesund hydrogen production	Norwegian Hydrogen		No	2029		20	270	Møre og Romsdal	Ålesund	Planned renewable hydrogen plant	www.norwegianhydrogen.com/activities/hydrogen-production-...
Tau hydrogen production	Norwegian Hydrogen		No	2028		10	30	Rogaland	Strand	Hydrogen hub under development at Tau Industry Park, with hydrogen production and infrastructure for distribution.	www.norwegianhydrogen.com
Hellesylt Hydrogen Hub	Norwegian Hydrogen	Hexagon Purus, Hyon, Tafjord, Sintef, Gexcon, Stranda Energi, Stranda Kommune, Innovasjon Norge, Forskningsrådet	Yes	2024	3	3	3	Møre og Romsdal	Stranda	Renewable hydrogen produced from excess electricity	www.norwegianhydrogen.com/activities/hellesylt-hydrogen-hub
Kråkøya production pilot	NTE		Yes	2024	0.1	0.1	0.1	Trøndelag	Nærøysund		www.nte.no/bedrift/hydrogen/?ref=nav
Skipavika Green Ammonia (SkiGa)	Skiga AS	Fuella AS, Casale, EnBW	No	2030		130	130	Vestland	Gulen	Awarded 81 million EUR in European Hydrogen Bank	www.fuella.no/projects/project-skipavika/
Stord Hydrogen	Stord Hydrogen AS	Hydrogen Solutions (HYDS), Sustainable Energy Catapult, Alltec Services, Greenstat	Yes	2023	1	1	1	Vestland	Stord	Renewable hydrogen production in operation	www.stordhydrogen.no/

Project Name	Project Owner	Partners	FID	Est. Start	MW 2026	MW 2030	MW 2035	County	Municipality	Description	Link
Exodus	Transitus Energy		No	2030		35	35	Vestland	Øygarden	Exodus aims to produce an initial 30 tonnes per day of low-carbon hydrogen, with plans for later further expansion.	www.transitusenergy.com/projects
Green Ammonia Berlevåg	Varanger Kraft	Aker Horizon	No	2030		220	220	Finnmark	Berlevåg		www.varanger-kraft.no/hydrogen-1/
Berlevåg Hydrogenfabrikk	Varanger Kraft Hydrogen AS		Yes	2025	2.5	2.5	2.5	Finnmark	Berlevåg	Producing 1 ton hydrogen per day	www.varanger-kraft.no/hydrogen-1/
Green Ammonia Porsgrunn (SKREI)	Yara International		Yes	2024	24	24	24	Telemark	Porsgrunn	24 MW PEM electrolysis plant in operation since June 2024. Cutting 41.000 tonnes of CO2 emissions annually from the Herøya fertilizer plant.	www.yara.com/news-and-media/media-library/pres-kits/rene...
Å Energi Green Ammonia	Å Energi		No	2030		600	600	Agder	Kvinesdal		www.aenergi.no/no/fornybar-energi/ammoniakk
Pikerfoss hydrogen pilot	Å Energi		Yes	2027		2	2	Buskerud	Kongsberg	In construction. Operation to commence in first half of 2027.	www.kommunikasjon.ntb.no/pressemelding/18563753/byggestar...