

How many jobs will Portugal's integrated hydrogen & ammonia project generate?

In particular, the project will contribute nearly 25% of Portugal's envisaged 2GW electrolyser capacity by 2030. The integrated hydrogen and ammonia project will generate 1,000 (direct and indirect) jobs, including future phases, which equates to 10% to 12% of new job creation targets.

How much money is invested in green hydrogen & ammonia production?

Total investment of EUR1 billion in 500MW green hydrogen and 500ktpa ammonia production, reducing CO2 emissions by up to 600,000 ton per annum and creating more than 200 jobs.

Can hydrogen be used to produce green ammonia?

The hydrogen produced under this project can be used by the local industry as well as processed to create green ammonia for export from the terminal at port of Sines.

Will a pipeline transport ammonia between the production plant and Port?

The announcement indicates that an ammonia pipeline will transport ammonia between the production plant and the port, where it will be exported and/or used as a maritime fuel. Pre-FEED work awarded to NextChem in late 2022 has been successfully completed.

Why is Madoqua bringing a green hydrogen & hydrogen derivatives consortium to Portugal?

Rogaciano Rebelo, CEO of Madoqua, explains "We are proud to bring this strong consortium to Portugal and collaborate with partners across the green hydrogen and hydrogen derivatives value chain. Portugal is structurally well positioned to play a leading role in the emerging energy transition space in Europe.

MadoquaPower2X will use renewable energy and 500MW of AWE (alkaline water electrolysis) technology. It is the first project to be installed at the future energy and technological hub of Sines, with an industrial scale production of 50,000 tons of green hydrogen and 500,000 tons of green ammonia per year.

The project will produce green hydrogen and ammonia in Sines, Portugal, using renewable energy. It includes electrolyzers, nitrogen production, and storage, with a final decision expected by March 2024.

Launched in 2022, the MadoquaPower2X project in Sines, Portugal is being developed by Madoqua Renewables, Power2X and Copenhagen Infrastructure Partners. Up to 1 GW of alkaline electrolysis capacity will produce 150,000 tons of electrolytic hydrogen per year, and 300,000 tons of ammonia.

Meet MadoquaPower2X, a renewable hydrogen and ammonia project under development in Sines, southern Portugal. Starting from 2028, around 50,000 tons of renewable hydrogen will be produced to generate around 300,000 tons of decarbonized ammonia, targeting the maritime fuel and fertilizer markets in Europe and beyond.

MadoquaPower2X is developing a world-leading green hydrogen and renewable ammonia project. The project will be located in Portugal in the Sines industrial zone (Zona Industrial e Logística de Sines, ZILS). MadoquaPower2X is a ...

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The project will feature up to 1 GW of alkaline electrolysis capacity, feeding the production of 300,000 tons per year of ammonia. Terminal facilities will include large-scale storage, enabling the export of ammonia to northwest Europe. Continue Reading

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MadoquaPower2X will use renewable energy generated by solar and wind assets under development in Portugal and up to 500 MWs of electrolysis capacity to produce up to 1,200 MTPD of green ammonia. It will be the first facility in Sines, the largest industrial and logistic hub in the Iberian Peninsula, to produce clean energy at an industrial ...

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Located in Sines, Portugal, this world-leading green hydrogen and renewable ammonia project leverages the country's exceptional wind and solar resources to revolutionize the market for ...

Located in Sines, Portugal, this world-leading green hydrogen and renewable ammonia project leverages the country's exceptional wind and solar resources to revolutionize the market for maritime fuels.

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