



## Malta Hydrogen Energy Station

What is green hydrogen? Unlike grey hydrogen, which is produced by using fossil fuels, and blue hydrogen which relies on expensive and unreliable carbon capture and storage technology, green hydrogen, the option being considered by Malta, is produced by electrolysis: the use of electricity from renewable energy sources, to split water into hydrogen and oxygen. Where will hydrogen come from? As reported by Malta Today last month, the most likely source of hydrogen will be in the area around Gela where Eni has commenced a pilot study in the production of green hydrogen, namely hydrogen produced by renewable energy sources. Could a hydrogen-ready pipeline be a EU project? The prospect of securing EU funds for a hydrogen-ready pipeline were boosted after energy minister Miriam Dalli secured a derogation in to have Malta's gas pipeline, which lost out on Connecting Europe Facility funds, be once again in with a chance as an EU project of common interest. Offshore Renewables, Energy Storage and Green Hydrogen HydroGenEration, or HGE in short, is looking at floating offshore wind power as a means of supplying electrical power to an offshore hydrogen production and hydrogen storage Malta Green Hydrogen Strategy: 5 Essential Steps Malta has announced its plan to launch an offshore energy and hydrogen strategy by , focusing on developing offshore renewable energy and green hydrogen production. This initiative aims to enhance Malta aims for hydrogen import through gas pipeline The Maltese government is exploring the possibility of having hydrogen and blends of other renewable fuels, including bio-methane, delivered to Malta through a gas pipeline from Hydrogen may soon become the new gas for Malta's gas-fired power station may soon be altered to run on lower carbon-emitting fuels, such as hydrogen or bio-methane, after Opportunities for Malta is in a positive starting position as it considers hydrogen in the perspective of security of energy supply, renewable energy deployment and transport decarbonisation. Malta will Identification of Candidate Sites for an Offshore Green Hydrogen Identification of Candidate Sites for an Offshore Green Hydrogen Production Plant Concept with Integrated FLASC Energy Storage in Malta's Exclusive Economic Zone Malta's offshore energy and green hydrogen strategy Using floating wind turbines and hydro-pneumatic energy storage, Malta can produce green hydrogen to power the maritime sector and reduce CO2 emissions. Preliminary studies show that the project could power around Is Malta ready for an energy conversion to Green Hydrogen? An ideal option is to use renewable energy to produce green hydrogen by attracting foreign investors to set up in the EEZ (particularly Hurd's bank) installing a The future of hydrogen in Malta Malta is surrounded by water, therefore, production of green hydrogen would be a logical step for the country, but importing it through another pipeline would also be a good temporary solution. Offshore Renewables, Energy Storage and Green Hydrogen Production for Malta HydroGenEration, or HGE in short, is looking at floating offshore wind power as a means of supplying electrical power to an offshore hydrogen production and hydrogen storage Malta Green Hydrogen Strategy: 5 Essential Steps for Success Malta has announced its plan to launch an offshore energy and hydrogen strategy by , focusing on developing offshore renewable energy and green hydrogen production. Hydrogen may soon become the new gas for power plant Malta's gas-fired power station may soon be altered to run on



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lower carbon-emitting fuels, such as hydrogen or bio-methane, after Brussels urged Malta to reconsider plans for a natural Malta's offshore energy and green hydrogen strategy Using floating wind turbines and hydro-pneumatic energy storage, Malta can produce green hydrogen to power the maritime sector and reduce CO2 emissions. Preliminary studies show The future of hydrogen in Malta Malta is surrounded by water, therefore, production of green hydrogen would be a logical step for the country, but importing it through another pipeline would also be a good temporary solution.

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