



# Saint Helena panka solar

How does connect Saint Helena generate electricity?

At present approximately 75% of the islands electricity is generated from burning fossil fuel (diesel). We have 4 generators which have a total capacity of 5,400kW. Connect Saint Helena Ltd is committed to reducing reliance on diesel power generation by harnessing renewable energy sources.

What is a connect Saint Helena microgrid?

The agreement with Connect Saint Helena Ltd includes a microgrid for the South Atlantic island that combines a 568 kWp/500 kW solar farm; a three-turbine, 2.7 MW wind farm; and a 3.2 MWh/3.5 MW battery.

How can connect Saint Helena reduce reliance on diesel power?

Connect Saint Helena Ltd is committed to reducing reliance on diesel power generation by harnessing renewable energy sources. Renewable energy is cheaper to produce and does not harm the environment. We currently have 12 wind driven turbines located at Deadwood Plain. These turbines provide in excess of 20% of the islands electricity.

How many generators does connect Saint Helena have?

We have 4 generators which have a total capacity of 5,400kW. Connect Saint Helena Ltd is committed to reducing reliance on diesel power generation by harnessing renewable energy sources. Renewable energy is cheaper to produce and does not harm the environment.

St Helena's energy strategy will aim to improve the social and economic well-being of its population, and minimize the impact on the environment. It will increase the production of energy through renewable sources, and reduce the island's reliance on imported fuels, increase fuel security and prize stabilization.

Location: St. Helena; Installed capacity: Solar PV (0.5MWp), Wind (3MW), Battery (3.5MWh) Hybrid Solution; Status: 90% of development activity is completed; Technology: hybrid system comprising of Solar PV, Wind and BESS; CO<sub>2</sub> emission reductions per year: 5,110 MtCO<sub>2</sub> saved annually . Articles, News and Press Releases

The electricity generation data for all our solar sites is publicly accessible on line. To find out how to access this information, please see the article Sunnyportal - Solar Energy . Below is a graph showing the amount of electricity (kWh) generated by means of our solar systems since Connect's start in April 2013.

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Connect Saint Helena Ltd (Connect) has today signed a Power Purchase Agreement with PASH Global to



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provide wind turbine, solar power and battery storage capacity to St Helena, significantly increasing the amount of renewable energy capacity on the Island and resulting in the majority of the Island's energy needs being met by renewable sources.

The project will not only save over 150,000 metric tons of carbon emissions over its useful life, it will also provide Saint Helena with security of electricity supply from a unique hybrid of renewable sources.

The renewables developer, which is majority-owned by Singapore-based commodities trader Trafigura Group Pte Ltd, has signed the contract with Connect Saint Helena Ltd, the sole utility on the island. The PPA will lead to the construction of a minigrid that comprises a 568-kWp/500-kW solar farm, a 2.7-MW wind farm and a 3.2-MWh/3.5-MW battery ...

PASH's bid provides for 1.6MWh of battery storage, 1MW of wind turbines located at Deadwood Plain, subject to Environmental Impact Assessment, Planning Approval and approval from Air Safety Support International (ASSI), and 0.5MW of solar panels to be located on land already owned by Connect adjacent to the existing solar site at the Rifle ...

Connect Saint Helena Ltd generates electricity in 3 ways: Diesel Powered Generators at the Power Station in Ruperts; Wind; Solar; Electricity from Diesel At present approximately 75% of the islands electricity is generated from burning fossil fuel (diesel). We have 4 generators which have a total capacity of 5,400kW.

Web: <https://phethulwazi.co.za>

