



What is the impact of Nauru energy project?

The project impact is a reliable,affordable,secure,and sustainable energy supplyto meet the socio-economic development needs of Nauru. The outcome of the project will be that NUC,the state-owned power and water utility,will supply reliable and cleaner electricity.

How does Nauru get its energy?

Nauru predominantly sources its energy through diesel power generators. About 5% of its current energy demand is sourced from renewable energy,of which all is from solar power photovoltaic (PV) installations. A 500-kW ground-mounted solar installation was commissioned in 2016,and a number of residences have rooftop solar PV installations.

Who owns Nauru electricity?

The Nauru electrical network is owned and operated by Nauru Utilities Corporation(NUC),a state-owned enterprise,established under the Nauru Utilities Corporation Act of 2011. NUC is responsible for energy generation and energy distribution,and water supply. Nauru predominantly sources its energy through diesel power generators.

How will ADB support the Nauru solar power development project?

ADB also provided GoN support to prepare a Feasibility Studyfor the recommended Nauru Solar Power Development Project which will comprise of a 6 megawatt PV plant coupled with a 5 megawatt /2.5 megawatt-hour battery energy storage system coupled with a SCADA installation.

Does Nauru need solar power?

"Now Nauru's power generation mainly relies on diesel. That's expensive and would pollute the environment," said John Scott,who has been working for the project since 2022. "There is a lot of sunshine here and it's good for solar power. I believe electricity supply here will be much better when the project is completed," Scott told Xinhua.

Who will implement solar project in Nauru?

The executing agency will be the Department of Finance and Sustainable Development. The implementing

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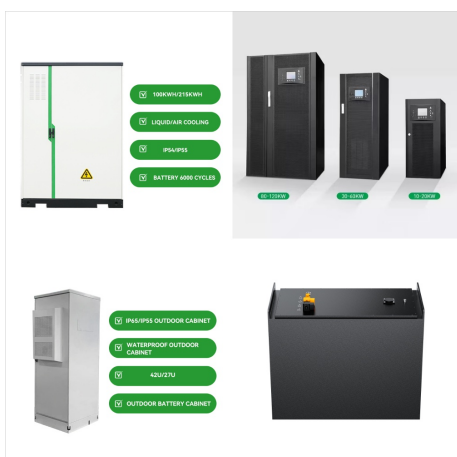
agency for solar component of project will be the Nauru Utilities Corporation (NUC). NUC will establish a project management unit within their existing organisational structure to implement the project.



Corvus Energy offers a full portfolio of energy storage and fuel cell systems, suitable for almost every vessel type, providing power systems in the form of modular lithium-ion battery systems ???



Nauru has recently invested almost \$30 million in a photovoltaic and battery energy storage combination. The project will finance a 6 megawatt (MW) grid-connected photovoltaic solar system together with a battery energy storage system, that will be completed in 2023 and save over 11,000 tons of CO??? equivalent emissions annually.



Once connected to the grid, the photovoltaic power generation and energy storage project being constructed by a Chinese company can meet the electricity demand of the entire island. The project will reduce Nauru's dependence on diesel, bringing down the costs in electricity generation, improving local power supply and increase the share of

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Project includes grid connection, SCADA and Energy Management System (EMS), control, communication and protection system integration with existing generators and solar plant. Fully automated system with NUC operator capability. Project outcome will achieve approx. 47% renewable energy generation (MWh) by end of 2022



SMARTEN is a 4-year project funded by GEF to enable the increased applications of renewable energy (RE) and energy efficiency (EE) technologies for supporting development in Nauru in accordance with the country's energy roadmap targets. This project is expected to reduce 1.049 Mil Metric Tons of CO2 over its lifetime. What are SMARTEN's goals?

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