



# Nauru smart grid companies

Does Nauru have an energy road map?

Currently Nauru is working on an Energy Road Map, including action plans for the development of renewable energy and energy efficiency sufficient to significantly lower imports of diesel fuel for electricity generation.

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.

What is the global smart grid market?

The developments in smart grid systems, including smart appliances, smart meters, smart substations and synchro phasors, has come a long way in recent years, bringing many critical improvements in the realm of energy production. Emergen Research states that the global smart grid market is expected to reach US\$122.97bn by 2027.

Which companies offer smart grid management solutions?

The company's smart grid solutions deliver real, quantifiable benefits and have proved pivotal to validating the case for smart grid investment. Itron's grid management solution provides utilities with a unified platform for managing the ever increasing complexity of the smart grid. 9. Hitachi

Is Nauru Utilities Corporation a corporation?

The NUC currently provides all electricity services to Nauru except for RPC and the main processing plant of RONPHOS. The status of the utility as a corporation was formalised with the passing of the Nauru Utilities Corporation (NUC) Act 2011 which states the legal obligations of the utility.

What companies are working in the smart grid space?

From GE to IBM, Schneider Electric to ABB, there is a whole host of companies working in the smart grid space to make it, well, smarter, as well as more efficient, resilient and reliable.

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The Nauru Smart Grid Project is assisted by the Asian Development Bank (ADB) and is a joint general contract of China Harbor-Huazi Technology-Rising Sun. It includes 6.9MW photovoltaic, 5MW/2.5MWh battery energy storage system, 5 diesel generators and one 11kV switch station.



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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 CO<sub>2</sub> over its lifetime. What are SMARTEN's goals?

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Nauru's grid electricity supply comes from a single power station operated by NUC. The generation, transmission and distribution equipment is old, with much of it urgently needing repair or outright replacement. The existing diesel engines have enough capacity to meet demand but if any one engine breaks down, load shedding is

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