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WHY ENERGY MANAGEMENT SYSTEMS AND BATTERY ENERGY STORAGE SOLUTIONS ARE CRITICAL TO DELIVERING RENEWABLE ENERGY IN THE PACIFIC?

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- Improving network power stability
- Improving reliability decreasing SAIFI/SAIDI
- Increasing use of solar generation
- Reducing diesel consumption

The Government of Niue released its Strategic Energy Roadmap in 2015 with a renewable energy target of 80% by 2025.



- Solar Arrays: 540 kW across 8 locations
- PowerStation central control room
- 4 x 500 kVA diesel generators

Success of the project would be dependent on the integration of new infrastructure with existing infrastructure





WHAT WAS DONE?





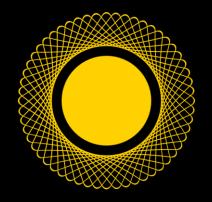




- Total Solar: 1.1 MW
- Total BESS: 3 MWh
- KEY TO SUCCESS: ENERGY MANAGEMENT
 - ✓ Increased use of solar electricity
 - ✓ Reduced diesel consumption







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SOLAR + ENERGY STORAGE

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Thanks to our partners in the Niue Renewable Energy Project:

- New Zealand Aid Programme
- Government of Niue