



# Utility-scale energy storage nuku alofa

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Vava'u and E'ua Renewable Microgrids, Tonga In April 2020, Infratec began a two-year project to design, procure and build on-grid solar PV and battery energy storage facilities on the "Eua and Vava'u islands in the Kingdom of Tonga. The NZ\$7.5 million project is a Joint Venture between Infratec and sister company NETcon and is a

Tonga BESS ; Grid Stability & Load Shifting on Tongatapu Throughout 2021, Infratec supported head contractor Akuo Energy SAS Ltd to install two large battery energy storage projects in Nuku'alofa, the capital of Tonga - at the time, the largest battery energy storage system in the South Pacific. Traditionally reliant on expensive and polluting diesel;

Rotohiko Battery Energy Storage System (BESS) The future of electricity is defined by increased choice for you, the consumer. Distributed power systems will enhance your control over your renewable energy consumption, giving you the freedom to innovate and adapt to reduce your carbon emissions. NewPower is proud to be driving that future with the development of

Te Ihi o te R? Solar Farm, Gisborne Infratec is proud to have partnered with Eastland Generation to develop and build the first utility-scale solar project at an airport in New Zealand. Spanning 6.1 hectares and equipped with 8000 bi-facial solar panels, the 5.2-megawatt Te Ihi o te R? solar farm harnesses the power of

Alpine Energy Battery Storage Trial, New Zealand Infratec procured and installed a 36kW, 142kWh lithium ion battery energy system at Alpine Energy's depot in Timaru, South Canterbury. At the time, it was New Zealand's largest grid connected lithium-ion battery. The purpose of the project is to trial demand response, load shifting, spot market participation and alternative

North-West Pacific Project (4 countries) The Northwest Pacific Project was a joint venture between Infratec and Sunergise which saw five plants concurrently built across four Pacific countries, with a collective capacity of 1.7MW. A of rooftop and ground-mounted solar, the project took 19 months to complete with all five plants operational as of March 2020 ;

Kiritimati Island Energy Sector Programme Infratec has delivered European Development Fund contract to design, supply and install a HV network, two power stations and a 150kW solar PV system on Kiritimati Island in the Republic of Kiribati. The project has centralised the power system for Kiritimati, providing a more reliable, efficient and safe electricity supply;

Bamyan Renewable Energy Project, Afghanistan In 2012 NETcon International (now Infratec) teamed up with Sustainable Energy Services International Ltd and won an \$NZ18.6m Government contract in Afghanistan against strong competition from international suppliers. The Bamyan Renewable Energy Project entailed the



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construction of a sustainable electricity network for people living in the Bamyan province of Afghanistan&#8230;.

Funafuti Government Rooftops PV Project, Tuvalu In September 2014, Infratec and Solar City were awarded the contract to build a 170kW solar array on two rooftops in Funafu, Tuvalu for NZ Ministry of Foreign Affairs. The project also involved painting the rooftop of the three-storey Government Building prior to installing the solar array on the&#8230;.

Southern Group Cook Islands Renewable Microgrids The projects successfully delivered mini-grids on four islands within the Southern Group of the CookIslands &#8211; Atiu, Mangaia, Mauke and Mitiaro and significantly upgraded the medium and low voltagenetworks on two of those islands; Mauke and Mitiaro. The systems have a combined installed capacity of 1.3 MWp of solar&#8230;.

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