



## Niue's largest energy storage project

How did New Zealand support Niue's battery energy storage system? In addition to Australia's support, the New Zealand Government contributed \$2.5 million to relocate and restore Niue's Battery Energy Storage System (BESS). This funding has allowed the Ministry to repair the grid control system, procure necessary fuel tanks, and install cabling and connections. What does the Minister of infrastructure say about Niue's New Power Station? The Minister of Infrastructure, Hon. Crossley Tatui extended his appreciation to the Australian and New Zealand Governments, saying, "The construction of this new power station is a vital piece of infrastructure for Niue's development and well-being. This achievement would not have been possible without the support of our regional partners." When is Niue's New Power Station launching? The Ministry of Infrastructure celebrated the soft launch of Niue's New Power Station on the 7th November. The launch marks a critical milestone in Niue's journey to strengthen and modernize its energy infrastructure. The Niue Renewable Energy project currently being constructed near the airport comprises a 2.79MWp photovoltaic solar array, 8.19MWh Battery Energy Storage System and significant upgrades to the Niue electricity network to increase safety and resilience. Niue's new Power Station soft launch marks Nov 12, 2023. In addition to Australia's support, the New Zealand Government contributed \$2.5 million to relocate and restore Niue's Battery Energy Storage System (BESS). This funding has allowed the Ministry to repair the grid control system, procure necessary fuel tanks, and install cabling and connections. The Largest Photovoltaic Energy Storage Plant in Niue As island nations face growing climate pressures, Niue's photovoltaic storage plant offers a replicable model for energy transition. By combining advanced solar technology with adaptive battery storage, Niue is showcasing one of the world's largest coral islands. This power system provides energy to the administrative sector of Niue as well as a local mine site that utilises a pumped hydro scheme at Lake Taumako. NEW ZEALAND FUNDED 5 MILLION ENERGY PROJECT FOR NIUE The 100MW battery storage project is in development by electricity generator and retailer Meridian Energy at Ruakaka on New Zealand's North Island. The site is adjacent to Marsden Point, a major power station. Niue Compressed Air Energy Storage: The Tiny Island's Big Leap Jun 30, 2023 A Pacific Energy Forum report revealed Niue's pilot project achieved 78% round-trip efficiency - beating many lithium-ion systems in island conditions. NIUE POWER PLANT ENERGY STORAGE PROJECT The objective of the project HA-G1048 is to maximize the use of the energy produced by the 8-MWp solar photovoltaic plant (SPP) to further reduce the use of thermal power, by installing a Battery Energy Storage System (BESS). Niue Power Station Energy Storage System Stabilizing Renewable Energy How does a small island nation like Niue ensure stable power supply while transitioning to renewable energy? The answer lies in its innovative energy storage system - a game-changer for the island. HOW DID NEW ZEALAND SUPPORT NIUE'S BATTERY ENERGY STORAGE The NZ Battery Project was set up in 2018 to explore possible renewable energy storage solutions for when our hydro lakes run low for long periods. A pumped hydro scheme at Lake Taumako. MEDIA RELEASE FOR IMMEDIATE RELEASE Dec 4, 2023 aZery Energy Storage System (BESS). This funding has allowed the Ministry to repair the grid control system, procure necessary fuel tanks, and install cabling and connections. Niue ESS - OPTIMAL POWER SOLUTIONS Niue is a raised atoll in the South Pacific showcasing one of the world's largest coral islands. This power system provides energy to the administrative sector of Niue as well as a local mine site that utilises a pumped hydro scheme at Lake Taumako. The Government of Niue |

