Espay Solar Energy S.L.

# Wellington Airport uses 10MWh off-grid solar-powered containers

## Overview

Thundergrid, based in the Capital, is helping link New Plymouth Airport with the power generated from the airport's new 10MW solar farm, due to be completed in November, and integrating a Battery Energy Storage System (BESS) to store solar power generated during the day and fully. Thundergrid, based in the Capital, is helping link New Plymouth Airport with the power generated from the airport's new 10MW solar farm, due to be completed in November, and integrating a Battery Energy Storage System (BESS) to store solar power generated during the day and fully. New Plymouth Airport is switching to solar power with the help of Wellington-based Thundergrid. VANESSA LAURIE New Plymouth Airport is on track to become New Zealand's first energy self-sufficient airport, and the work of pivoting the utility to being fully energy efficient is down to a Wellington. Thundergrid co-founder Jonathan Zukerman says the battery technology theyre installing at New Plymouth airport demonstrates the potential for greater energy resilience across the country. These energy needs continue to grow as air travel expands, with global passenger numbers expected to double by 2040. In response to these staggering. Many airports are protecting against power outages by adding microgrids using solar and other energy sources. Case in point: in March, a substation fire cut the power to London's Heathrow Airport. Because microgrids are separated from the main electrical grid, they enhance the reliability and stability of a power supply, minimize disruptions during emergencies or grid outages, and help airports maintain smooth operations. Microgrids are often implemented to achieve carbon neutrality, provide.

## Wellington Airport uses 10MWh off-grid solar-powered containers


**wellington airport Net Zero emissions by 2030 - How we'll get there**

We have: o Prioritised actual reductions in emissions rather than offsetting as much as possible. Within a few years our only residual emissions will be from emergency diesel generators and the Airport Fire ...

**Microgrids: The Future of Resiliency at Airports , Kimley-Horn**

Explore how microgrids enhance airport energy resilience, sustainability, and efficiency, with insights on benefits, challenges, and implementation tips.


**Solar-Powered Airports (2026) , 8MSolar**

Powered by dedicated solar arrays, these systems may continuously improve air quality within a 5-kilometer radius of the airport. Real-time monitoring might adjust purification levels based ...

## Power Outage? No Problem at Airports With Microgrids

The 8,800-acre airport campus uses five natural gas generators and 10,000 solar panels. The airport claims it saves about $1 million a year in electricity costs.

## Swiss-backed Wellington startup powers New Plymouth Airport's solar

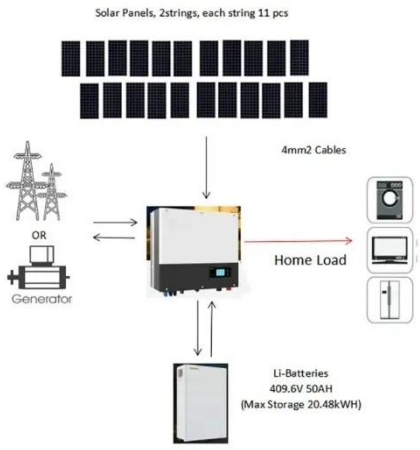
Thundergrid, based in the Capital, is helping link New Plymouth Airport with the power generated from the airport's new 10MW solar farm, due to be completed in November, and ...

## New Plymouth Airport Goes Off-Grid In NZ First, Powered By ...

Wellington-based EV charging services and grid management specialists Thundergrid have been collaborating with the airport to supply and integrate a Battery Energy Storage System ...

## Mobile Solar Power Containers: Off-Grid Energy Anywhere

Designed for rapid deployment and all-terrain applications, this self-contained solar system delivers reliable off-grid




power to areas where conventional infrastructure is limited, ...

## New Plymouth Airport plans energy self-sufficiency

The airport has partnered with Wellington-based EV charging experts Thundergrid to install a new battery energy storage system (BESS) that will store energy produced by its new solar ...


## Why airports turn to microgrids for sustainability

As localized, self-contained sources of power, microgrids can isolate themselves from the main grid and continue supplying power to the airport even during power disturbances.

## New Plymouth Airport plans for energy self-sufficiency

New Plymouth Airport is on track to be fully self-sufficient, powered by renewable energy, using solar power and

battery technology.

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