

Cook Islands and Tuvalu Renewable Energy Programmes

Cheaper and cleaner energy sources are needed in the Pacific Islands...

- Limited access to electricity
- Minimal infrastructure
- Unreliable
- Heavy reliance on diesel generators
- Environmental issues



How can we provide electricity for these communities?

- Solar energy
 - Lots of sunshine!!!
 - Reduced diesel reliance
 - Clean and renewable
- Governments committed to renewable electricity generation on all islands by 2020
- Sustainable economic development and energy independence



Project Overview

Funding?

NZ Aid Programme through NZ Ministry of Foreign Affairs and Trade

What?

Diesel PV Hybrid Systems

Where?

- Six remote islands – Northern Group, Cook Islands
- Rarotonga Airport – Cook Islands
- Four remote islands – Outer Islands, Tuvalu
- Government Buildings – Funafuti, Tuvalu



EUROPEAN UNION – NEW ZEALAND ENERGY ACCESS PARTNERSHIP FOR PACIFIC



CLIENT:

TECHNICAL ADVISORS:

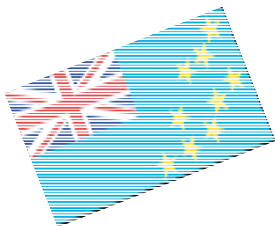


PROJECTS

Project Steering Groups



NZ High Commission



PROJECT MANAGER:



MAIN CONTRACTORS:



PowerSmart
SOLAR ELECTRICITY
a greater choice

STAKEHOLDERS:

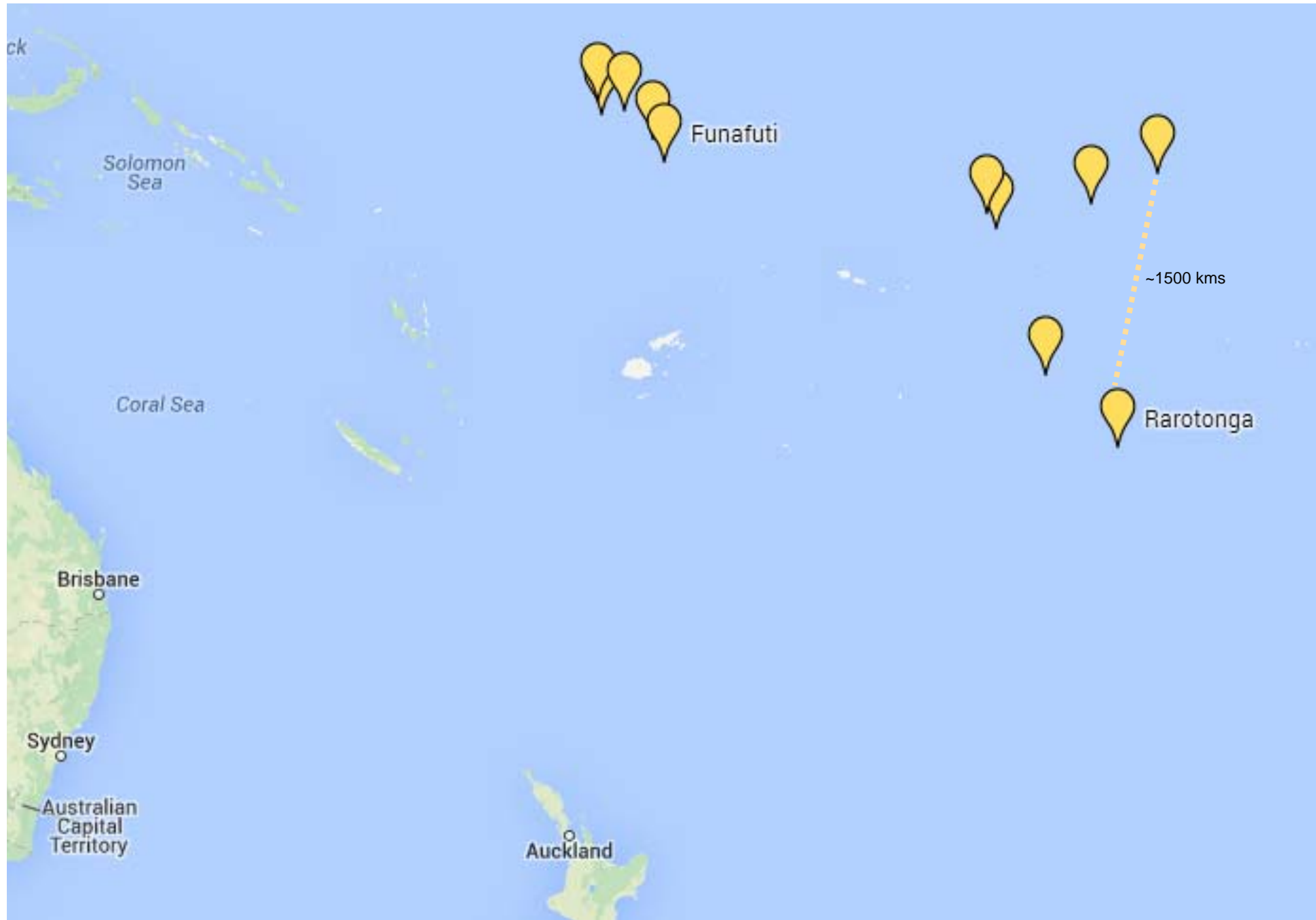


Island Councils / Kaupule

TUVALU ELECTRICITY CORPORATION
When The Sun Goes Down TEC Comes to Light



INFRATEC
RENEWABLES



ck

Solomon Sea

Coral Sea

Brisbane

Sydney

Australian Capital Territory



Funafuti



~1500 kms

Rarotonga

Auckland

Challenges

- Logistics
- Local Infrastructure
- Stakeholder Management
- Managing Scope
- Political Changes
- Communications
- Programme
- Education



Current Progress



Te reo o te KUKI AIRANI

Cook Islands NEWS

www.cookislandsnews.com AS SOLID AS THE ISLANDS WE STAND FOR \$2.10

Friday, August 8, 2014

Elizabeth Wright-Koteka, from the Office of the PM, NZ High Commissioner Joanna Kempfers and Apili Timoti, from TAU, tighten the bolts on the first solar panel to be installed at the Rarotonga Airport solar plant, with Liam Fox from Solar City supervising their work.

First panels installed at airport solar project

CONSTRUCTION of a massive solar energy system at Rarotonga Airport has taken a big leap forward with the first of the panels being installed. The project is a \$1.5 million solar array in being built to the west of the airport.

Kempfers, who helped secure the first panel to yesterday said the event was a significant one for the island.

Kempfers said the New Zealand Aid Programme was "very pleased" to be supporting the project.

Anderson Ltd will be doing all the electrical work in the area.



Next Steps

