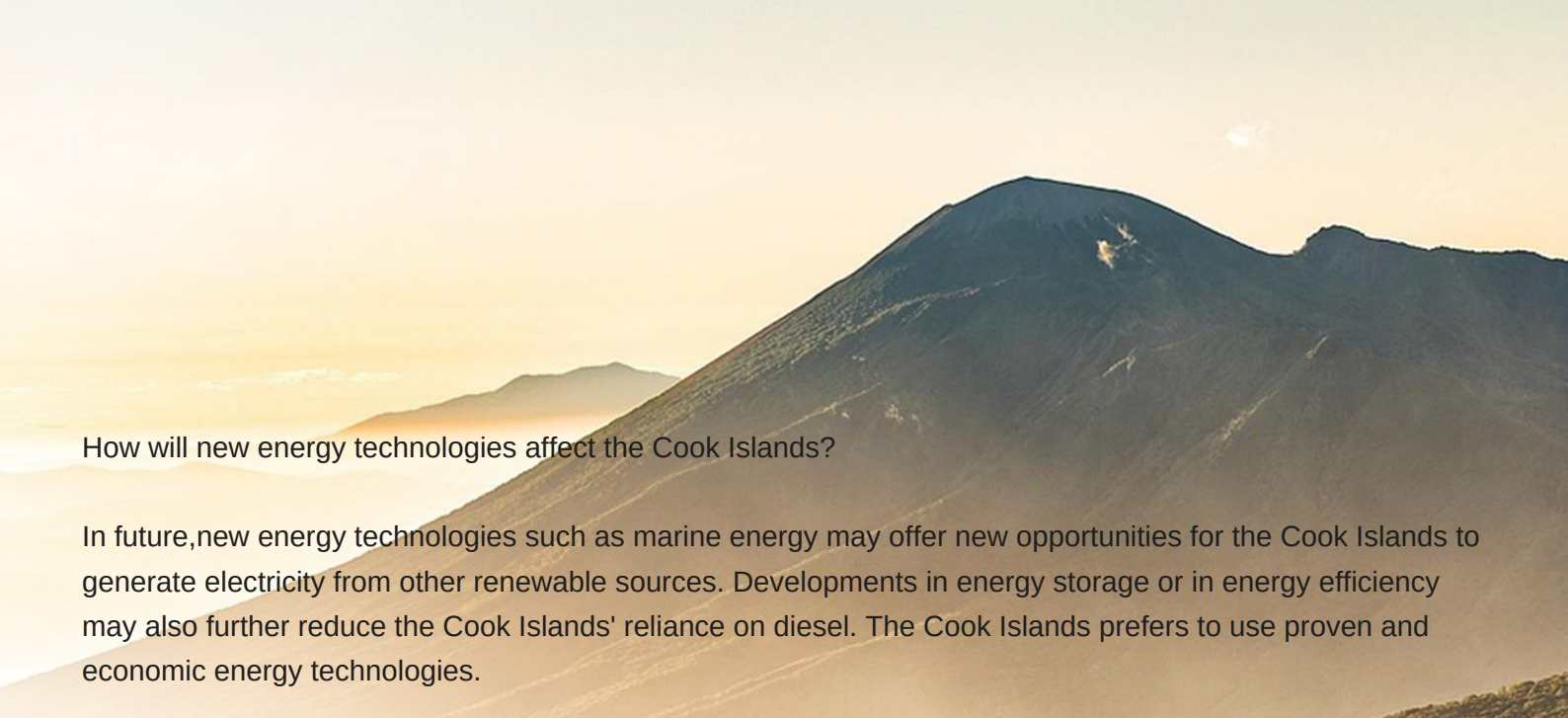

How will new energy technologies affect the Cook Islands?

In future,new energy technologies such as marine energy may offer new opportunities for the Cook Islands to generate electricity from other renewable sources. Developments in energy storage or in energy efficiency may also further reduce the Cook Islands' reliance on diesel. The Cook Islands prefers to use proven and economic energy technologies.

Does the Cook Islands have electricity?

The Cook Islands has a financially healthy electricity sector with technical and commercial challenges requiring on-going investment. With the exception of Pukapuka, Nassau and Suwarrow, the Cook Islands has some form of electricity network. Power supply on Rarotonga is the responsibility of the government-owned utility Te Aponga Uira ("TAU").

Why is energy important in the Cook Islands?

Energy is a fundamental prerequisite to the sustainable socio-economic developmentof a nation. As such,the Cook Islands Government considers that environmental protection,energy security and economic growth are inseparable key pillars of our country's development.

Can solar power be used in the Cook Islands?

The Cook Islands has abundant solar radiation, which makes solar electricity PV an attractive option. On average, about 80 percent of households already use solar water heating, and we are committed to increasing the use of photovoltaics for electricity generation and to reduce reliance on diesel.

What is a Cook Islands renewable electricity chart (road map)?

This document is called the Cook Islands Renewable Electricity "Chart". Other countries have called similar documents a "Road map" - and these are countries that are either landlocked or have many kilometres of road between settlements. Our environment is different. We have many kilometres of sea between islands.

Can a partner help the Cook Islands achieve its targets?

The Cook Islands is looking for partners who can help achieve its targetsthrough funding the conversion of one or more of the islands from diesel generation to renewable energy. We acknowledge the support we

have already received from our partners.

TAU is a critical key infrastructure asset for Rarotonga and the wider Cook Islands. The primary function of Te Aponga Uira (TAU) is the provision of electricity to the people of Rarotonga in a reliable, safe and economical manner.

With LoRaWAN sensors monitoring water level, pipe pressure, CO 2 concentration, temperature and humidity and more, the occupants and facility managers can now enjoy energy-saving operations and contribute to overall sustainability in the Cook Islands.

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COOK ISLANDS SMARTENERGY DISPOSITIVO

The Cook Islands Government aims to achieve 90% of their power needs from renewable energy by 2020. We helped the government realise its aim. To support the Cook Islands Government, the New Zealand Government ??? through the Ministry of Foreign Affairs and Trade, installed mini-grid photo-voltaic power systems in a number of villages on six

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Semtech's LoRa(R) Devices and the LoRaWAN(R) Standard Provide Internet of Things Connectivity for ICTnexus Smart Islands Project. Cook Islands to feature a LoRaWAN(R) network for water and energy ???

COOK ISLANDS SMARTENERGY DISPOSITIVO

Renewable energy in the Cook Islands is primarily provided by solar energy and biomass. Since 2011 the Cook Islands has embarked on a programme of renewable energy development to improve its energy security and reduce greenhouse gas emissions, [1] with an initial goal of reaching 50% renewable electricity by 2015, and 100% by 2020. [2]

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Government of The Cook Islands has taken an audacious step towards transforming its country from dependency to fossil fuel as an energy source to a future of Renewable Energy means as its source of electrical power generation. To guide it in its progress towards achieving this target, it ???

COOK ISLANDS SMARTENERGY DISPOSITIVO

Semtech's LoRa(R) Devices and the LoRaWAN(R) Standard Provide Internet of Things Connectivity for ICTnexus Smart Islands Project. Cook Islands to feature a LoRaWAN(R) network for water and energy management, local street light operation and more

In its approach to delivering a 100% renewable energy target across 12 islands by 2020, the Cook Islands presents a rare insight into how planning requirements of high penetration renewable island systems vary with scale.

The GCF board approved an initial $12 million grant for Cook Islands to install energy storage systems and support private sector investment in renewable energy. This investment will see renewable energy generation on the main island of Rarotonga increase from 15% to more than 50% of overall supply.