



The purpose is that energy services in the Galapagos Islands progressively increase, on the one hand, replacing fossil fuels and on the other, supplying the growing demand with a view to 2050,



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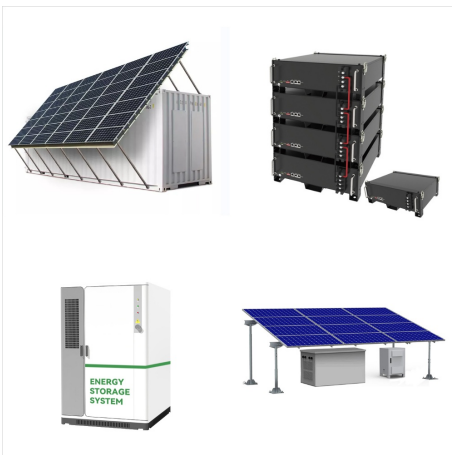


This chapter presents a review of a proposed model for smart grid implementation on the Galapagos Islands. Unique characteristics of the archipelago such as difficult to transport consumables and fuel from the continent, the ???

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4/5: Renewable Energy. The more people who live in the Islands, the higher the demand for power. For the majority of Galapagos, energy has traditionally been produced using diesel generators. Today, this continues for many people who live in rural areas and for urban residents, small diesel based grids are used.



Frontiers in Sustainable Cities | To reach the goal of clean, fossil fuel free, and self-sustained energy production in the Galapagos Islands, solar energy production is a natural and viable choice due to the location of the Islands close to the equator.

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The high solar radiation in the Galapagos Archipelago, becomes key to increase the generation of clean energy and make the long-awaited energy transition a reality. Download : [Download high-res image \(198KB\)](#)



The sources of electricity generation in the Galapagos Islands have been diversified due to the high risk represented by the use and transportation of fossil fuels and the application of the Zero Fossil Fuels initiative. This has increased the implementation of projects using different renewable energy sources.



Presently, many island communities are largely dependent on fossil fuel resources for energy, leaving the abundance of renewable energy resources largely untapped. Although various solar

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