

Can Reunion Island achieve energy autonomy by 2030?

Reunion Island, a French overseas region located in the Indian Ocean, is facing a three-fold challenge combining demographics, the environment and energy. To limit its heavy dependence on imported fossil fuels, Reunion Island aims to achieve energy autonomy by 2030 based on greater energy efficiency and renewable energy alternatives.

Can geothermal energy be developed on Reunion Island?

Geothermal energy also presents significant potential for development, with an installed capacity of 30MW; however, the main problem for this resource on Reunion Island is its location in a protected natural area.

What is green energy revolution Reunion Island?

Until recently, Reunion Island had implemented the GERRI project, Green Energy Revolution Reunion Island. This economic and social development program centered on the sustainable development of Reunion Island and resulted from the "Grenelle Environment" French environment roundtables.

Does Reunion Island need economic support?

The development of biomass, particularly energy cane, is economically interesting. Solar and marine energy need political and/or economic support to be developed. Reunion Island, a French overseas region located in the Indian Ocean, is facing a three-fold challenge combining demographics, the environment and energy.

Is Reunion Island a renewable resource?

Hydroelectricity is the island's main renewable resource. It accounted for 17,2% of its total electricity production in 2015 (133,6MW of installed capacity), spread over six sites in the eastern part of the island. An additional capacity of 50MW should be deployed by 2030. Reunion Island's biomass potential is considerable.

Does Reunion Island use fossil fuels?

Whereas in the 1980s all of the energy produced on Reunion Island came from renewable hydroelectricity, the island has gradually become dependent on imported fossil fuels.

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# Réunion zero energy solutions

EDF's power generating fleet in Reunion Island reaches 100% of renewable energy December 4 2023 - Through its subsidiary EDF Production Energie Insulaire (PEI), EDF Group has ...

using existing net zero energy building (Net ZEB) solution sets to redesign Net ZEBs being moved into different climates. A case study was performed using the ENERPOS Building, located in Saint-Pierre, Reunion Island (cooling dominated climate), and moved to Christchurch, New Zealand (mixed heating and cooling climate).

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The authorities combating energy poverty for households on the island of Réunion have started the national project SLIME (Local Scheme for Energy Efficiency). Horizon Réunion (the energy agency of Réunion) oversees, implementing and animating it, with the electricity supplier EDF, in support of the Regional Council of La Réunion.

Three long-term energy scenarios derived from [30] and a new one are considered to achieve electrical autonomy with renewable energy for Reunion Island by 2050. These scenarios are then ranked using MCDA methods with input from key local stakeholders on core planning criteria.

Akuo is committed to putting all its expertise and resources into supporting the island's energy transition and meeting the ambitious goals of the multi-year energy plan, i.e., an installed ...

The island of La Réunion has set an ambitious goal of becoming a zero energy balance island by 2025, particularly challenging target given the high population density. There are several virtuous experiences already operating on the island, for example the project Agrienergie 5, which combines

So far, only very small islands such as El Hierro in the Canary Islands have achieved complete energy self-sufficiency, says Dominique Grondin, who studies energy engineering at the University...

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Akuo is committed to putting all its expertise and resources into supporting the island's energy transition and meeting the ambitious goals of the multi-year energy plan, i.e., an installed capacity of 500 MW solar and 92 MW wind by 2028, versus 206 MW and 17 MW respectively in 2020.

Solar thermal and photovoltaic products have boomed since 2000 in Reunion's renewable energy market. The road map for RES identifies several other technologies in order to take up demonstration activities and research development. The final aim is to increase the share of RES in Reunion's energy mix.

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