

Will switching to renewables solve Réunion's self-sufficiency problem?

Although laudable, switching to renewables will not solve the self-sufficiency problem. The renewable sources Réunion uses to generate electricity will still be mainly imported from abroad. "Forests will be cut in Canada to put in our furnaces in Réunion island," says Mathieu David, who studies mechanics and energy at the University of La Réunion.

How can a new energy system be made in Réunion?

This includes replacing sugar cane with different food crops; restricting urbanization; increasing the capacity for producing energy from waste; significantly scaling up photovoltaics that convert sunlight directly into energy; and convincing Réunion islanders to make certain lifestyle changes.

Is electricity self-sufficiency possible on Réunion?

Although electricity self-sufficiency on Réunion is theoretically possible, there are still a number of constraints imposed by factors such as nature, technology and economics. The island's remote location and geographical features are serious challenges for starters.

Why is Réunion so worried about energy imports?

Part of this concern stemmed from Réunion's over-reliance on imports, including for energy, says Russeil, who is now at the French National Research Institute for Agriculture, Food and Environment in Paris.

Is New Caledonia energy independent?

It's also connected to the Italian power grid, whereas Réunion is "totally isolated", Grondin says. Of France's other island departments, New Caledonia is bottom of the energy-independence list, at just 3%. But once again, New Caledonia has its own set of characteristics that make a direct comparison with other islands difficult.

Could Réunion be the first region to send food and energy?

"If there's climate-change problems, or war, or any political conflict in the world, Réunion wouldn't be the first region where people would think to send food or energy," says Jean Philippe Praene, who studies renewable energy at the University of La Réunion in Saint Denis. "So we have to be as self-sufficient as possible."

In the heart of Réunion Island, a remarkable aquaculture project is making waves in the sustainable food industry. The Cèdres fish farm has pioneered an innovative approach to caviar production, harnessing the power of solar energy to create a unique ecosystem for sturgeon farming. This groundbreaking initiative not only showcases the ...

With an installed capacity of approximately 5 MW, this new project contributes to achieving the island's



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energy autonomy objective. It is also part of EDF's Solar Plan which ...

Specifically, coal energy contributed to almost a third of the total electricity generation. On the other hand, low-carbon energy sources made up a bit more than a quarter of Réunion's electricity. These sources included hydropower, which supplied around 12% of the electricity, solar power at just under 9%, and biofuels contributing close to 8 ...

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Les énergies renouvelables représentent 57% de l'électricité produite à la Réunion, d'après le directeur régional d'EDF. Avec la hausse des prix de l'électricité, les particuliers ...

TwInSolar aims at enhancing research and innovation to reach a massive integration of solar renewables in Reunion Island, a French outermost region located in the Southwest Indian ...

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One of the five French overseas regions, Réunion Island is located on the Indian Ocean cyclone path and has a tropical climate. The volcanic island, which is three times smaller than Corsica, is home to one of the world's most active volcanoes: the Piton de la Fournaise (Peak of the Furnace). Economic activity is concentrated along the coasts, where the cities of ...

A new model was born! The first plant based on this model to emerge on the island was that of Pierrefonds, inaugurated in 2010. Since then, more than 20 projects of this type have emerged within the Akuo Group, in Réunion, New Caledonia and continental France, with a total installed capacity of more than 150 MWp.

Reunion Island is facing the challenge of saying goodbye to imported fossil fuels and reaching energy self-sufficiency by 2030, a goal defined in the region's Multiannual Energy Program (PPE). In 2019, the French ...

Geothermal resources are envisioned to provide cooling for buildings in the TCO. This is an important issue because air conditioning represents 53% of electricity consumption in the tertiary sector of the entire Réunion Island. The new source energy for air conditioning will help in achieving the TCO's Territorial Climate -Air-Energy Plan ...

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