

What is green energy revolution Réunion Island?

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

Can geothermal energy be developed on Réunion Island?

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

Can a sodium-sulfur battery be used on Réunion Island?

The sodium-sulfur battery Nas, with a capacity of 1MW was installed in St. Andrew, a city in the northeast of Réunion Island. This experiment will enable to smooth the load curve and slightly relax the 30% network rule. The development of biomass on Réunion Island is economically more viable.

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.

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.

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.

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R&#233;union's relatively small size makes it "very attractive" for making the switch to electric transport, David says. "With just one full battery, you can go everywhere."

The new battery regeneration centre on La R&#233;union will focus on several major areas: The regeneration of traction batteries in the world of materials handling, warehousing and the supply chain; The regeneration of stationary batteries, which are widely used on isolated off-grid sites and on sensitive back-up sites;

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Reunion Island is endowed with many types of renewable energy sources (RES) such as solar, wind, geothermal, sea energy (ocean thermal energy conversion and wave energy), biomass and hydropower. However, reaching this 100% renewable electricity mix will involve many structural changes in electricity production in a short time-frame.

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Fulbert Maillot and his partners have been developing a battery regeneration center in Saint Denis de la R&#233;union for more than a year. They are now entering the expansion phase of the business as a second machine will be coming soon to their workshop to meet an increasing demand.

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La prestation de r&#233;g&#233;n&#233;ration des batteries de d&#233;marrage sera pr&#233;c&#233;d&#233;e d'une pr&#233;-s&#233;lection sp&#233;cifique, avec une borne de test exclusive bas&#233;e sur la technologie Be Energy. Ces tests permettent notamment de collecter uniquement les batteries r&#233;g&#233;n&#233;rables et d'atteindre ainsi des taux de succ&#232;s sup&#233;rieurs &#224; 95% apr&#232;s ...

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