

Where are photovoltaic power plants located in Réunion Island?

With a 36,8 MW installed capacity in 2021, Albioma is the leading producer of photovoltaics in Réunion Island. These photovoltaic power plants are all located in areas where there is no conflict of use, such as La Star, which was built on a landfill site that was still in operation.

How does Albioma produce electricity in Réunion Island?

As the leading electricity supplier in Réunion Island, Albioma produces 46 % of the energy available in the grid by operating two thermal biomass power plants, a bioethanol combustion turbine and a large photovoltaic fleet.

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.

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.

NOTE: This blog was originally published in April 2023, it was updated in August 2024 to reflect the latest information. Even the most ardent solar evangelists can agree on one limitation solar panels have: they only produce electricity when the sun is shining. But, peak energy use tends to come in the evenings, coinciding with decreased solar generation and causing a supply and ...

Reunion was one of the first territories to implement large-scale solar projects and deploy centralized battery storage systems. The island's commitment to innovation is further exemplified by its early adoption of agrivoltaics, combining solar ...

In an effort to track this trend, researchers at the National Renewable Energy Laboratory (NREL) created a first-of-its-kind benchmark of U.S. utility-scale solar-plus-storage systems. To determine the cost of a solar-plus-storage system for this study, the researchers used a 100 megawatt (MW) PV system combined with a 60 MW lithium-ion battery that had 4 hours ...

Reunion, June 29, 2022 - EDF Renewables continues its deployment on the island of Reunion with the start of construction on the ground-mounted solar power plant at Rivière des Galets, in the commune of Port. With an installed capacity of approximately 5 MW, this new project contributes to achieving the island's energy autonomy objective.

This turnkey contract is realized in partnership with Ingeteam (Spain) - world leading manufacturer of power electronics and energy management systems- and Corex Solar (based in La Réunion) to build the Bardzour solar photovoltaic (PV) production and Li-ion (lithium-ion) energy storage system on the French island of La Réunion in the Indian ...

Solar energy policies in La Reunion A carbon intensive island... With a strong regional ambition for the Energy Transition : the Multi Annual Energy Plan (PPE) adopted in 2022... The key objective of this plan is to reach 100% renewable energy sources in electricity generation by 2030, through : And a smart specialization strategy (RIS3) aiming

The Les Cedres Solar PV Park Battery Energy Storage System is a 9,000kW energy storage project located in Reunion. The electro-chemical battery energy storage project uses lithium-ion as its storage technology. The project was commissioned in 2015.

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These last years, with the new law on energy transition and a local multi-annual programming on energy, Reunion Island is being pushed towards an ambitious goal: to increase its share of renewables to 50% in its electricity production by 2020 and to 100% in 2030. The evolution of the energy mix of this overseas region is already noticeable.

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Innovative battery-based energy storage. The Port Ouest plant is able to operate continuously, using lithium-ion battery storage technology to overcome the inherently intermittent nature of solar energy. The 1,330 KWh batteries store energy during the day and then release it during evening peak consumption periods (between 7 and 9 pm).

Albioma's project, which the company said was successfully commissioned in mid-March, is a 1.25MWp solar PV plant combined with 1.33MWh of energy storage at State de l'Est Jean Ivoula, a multi-use stadium used mainly for association football (soccer) in the Saint-Denis municipality of Reunion, with capacity for 7,500 spectators.

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Reunion's mission is to accelerate investment into renewable energy. We are building a marketplace to connect buyers and sellers of renewable energy tax credits to easily raise money for wind, solar, and battery storage projects. Project developers can easily access pools of capital from high quality corporate investors for their project portfolios.

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