

# **French Southern Territories enline energy**





## Overview

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Le village de Martin-de-Viviès est un village de la commune de Viviers, dans le département de l'Ardèche. Il est situé à environ 1955 m d'altitude et compte 86 habitants.



## French Southern Territories online energy

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### Toward high levels of renewables in the French insular systems

Isolated French power systems, such as the overseas departments and territories, are facing high ambitions for decarbonization of the energy mix. These systems encompass a wide variety of situations, with wide range of consumption levels and numerous decarbonization strategies, which include massive penetration of solar and wind generation.

### The electrical energy situation of French islands and focus on ...

The integration and development of renewable energy in the insular territories are in progress and often reached a higher level than in French mainland. The higher cost of electricity production pushes islands to use their natural resources in view to reach energy independence, to reduce their fuel dependence and to preserve their environment.

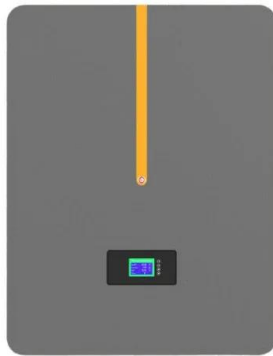


### ENGIE Solutions and Smulders to build offshore substation in France

The contract consists of the engineering, construction, installation, connection and testing of the offshore substation located 10 miles off the French coast. The wind farm is the first large scale offshore wind farm in Brittany and one of the first in France to obtain all the necessary government permits for its construction and operation.



(:Terres australes et antarctiques françaises;;French Southern and Antarctic Territory;TAAF)7781(432000),?



### France , Clean energy for EU islands

The Integrated National Energy and Climate Plan for France for the period 2021-2030 set a target of 40% for the share of renewable energies in final electricity consumption by 2030, 38% for final energy used for heating and cooling by 2030, and a target of a 5% reduction in emissions for the transport sector in 2030 compared to 2015.

### Energy Transition in France

To address the climate emergency, France is committed to achieving carbon neutrality by 2050. It plans to significantly increase the contribution of renewable energy in its energy mix. The share of renewable energy in its electricity production, which amounts to 25.5% in 2020, should reach at least 40% in 2030.



### Electric islands

Except for the lines linking Corsica to Italy, the French insular power systems can only rely on their local facilities, mainly powered by fossil fuel imports. For example, in Guadeloupe, in 2012, 53% of energy production came from oil, 32% from coal and 15% from renewable energies. In 2009, coal accounted for only 13% of the total.



### The electrical energy situation of French islands and focus on the

Islands that have energy sources, such as hydro or geothermal energy, can easily integrate them into the power system, but those with mainly intermittent renewable energy sources are



### What kind of energy transitions for France's Overseas Territories?

Particularly affected by climate change, the French Overseas Territories must reconcile the inseparable and complementary objectives of energy "transition" and "autonomy". During the consultation on the energy sovereignty bill, the government stated its ambition to achieve a 100% renewable energy electricity production mix in the overseas

### French Southern Territories , Powertec Information Portal

French Southern Territories, comprising of several islands in the Indian Ocean, are isolated with a harsh climate, making technology and telecommunications development challenging. The territories have no indigenous population, with only temporary French military personnel, scientists, officials and support staff residing.





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