

# Guadeloupe your energy solution





## Guadeloupe your energy solution

---



### In Guadeloupe, the decarbonization of electricity is

By 2033, according to the new PPE, the local share of electricity production should reach 50 to 75%, leaving Guadeloupe still dependent on imported energy, in particular liquid and solid biomass. A proportion which increases mathematically by including greenhouse gas emissions linked to the transport of these biomasses by boat.

### Energy snapshot: Guadeloupe , Caribbean Development Portal

This profile provides a snapshot of the energy landscape of Guadeloupe, an overseas region of France located in the eastern Caribbean Sea. Guadeloupe's utility rates are approximately \$0.18 U.S. dollars (USD) per kilowatt-hour (kWh), below the Caribbean regional average of \$0.33 USD/kWh.



### Energy Snapshot

This profile provides a snapshot of the energy landscape of Guadeloupe, an overseas region of France located in the eastern Caribbean Sea. Guadeloupe has set a target to achieve 100% energy independence by 2030.

### Wind-farm energy management system rolled out in Guadeloupe



The solution is currently being rolled out at the Sainte Rose wind farm in Guadeloupe. The French National Solar Energy Institute (INES) developed and tested an energy management system coupled with battery-based energy storage.



### LIQUID COOLING ENERGY STORAGE SYSTEM

EMS real-time monitoring  
No container design  
flexible site layout



Cycle Life  
**≥8000**

Nominal Energy  
**200kwh**

IP Grade  
**IP55**

## Guadeloupe's Energy Challenge

To meet those challenges, Guadeloupe's regional government has adopted proactive energy policies that will foster both energy independence and energy transition from fossil fuels. The energy plan adopted by the regional government therefore sets ambitious objectives for energy demand management and for the development of renewable energy in

## Renewable energy sources in Guadeloupe

The following types of renewable energy are utilized in Guadeloupe: solar energy, wind energy, water energy, biogas, combined energy sources as well as geothermal energy. Attention is drawn to a specific geographic setting as well as the social and economic situation which influence the demand for energy in this department of France.



## « La vraie solution est de consommer moins d'énergie

Ainsi, il est prévu qu'en 2033, la production d'électricité en Guadeloupe soit issue à 100 % des énergies renouvelables. Pour autant, cette transition totale est-elle réellement possible ?



### Guadeloupe Energie

On this website, you'll find information on Guadeloupe's progress on energy transition from energy legislation to industry data, from profiles for renewable energy in Guadeloupe to the latest news and events--all in one place.



### ENERGY PROFILE Guadeloupe

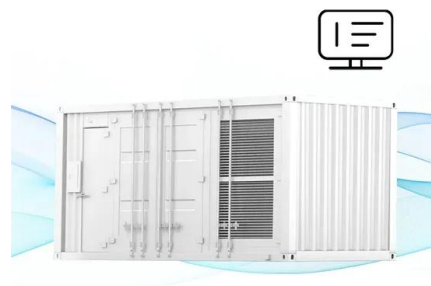
developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



### CURRENT ENERGY AND COUNTRY SCENARIO, AND REASONS

In Guadeloupe renewable energy sources are available, however the country is heavily dependent on imported oil. The electrical grids are, without exception isolated and unconnected to the continental grid.

### FLEXIBLE SETTING OF MULTIPLE WORKING MODES





## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.fundacja64.pl>