

# SOLAR



2023

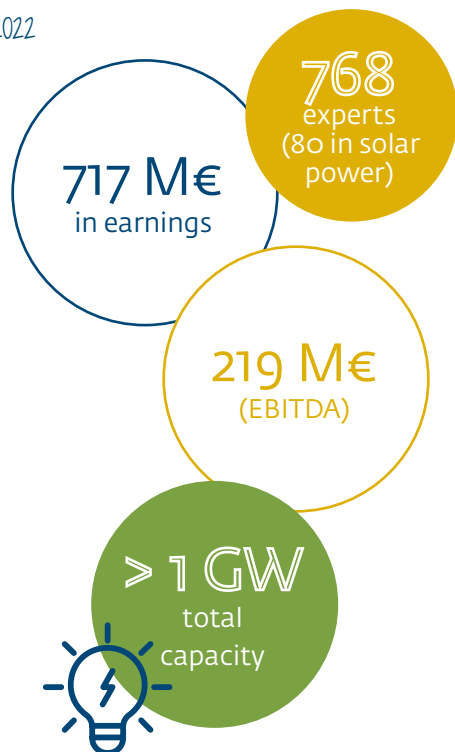




# ALBIOMA

an independent renewable  
energy producer

In 2022



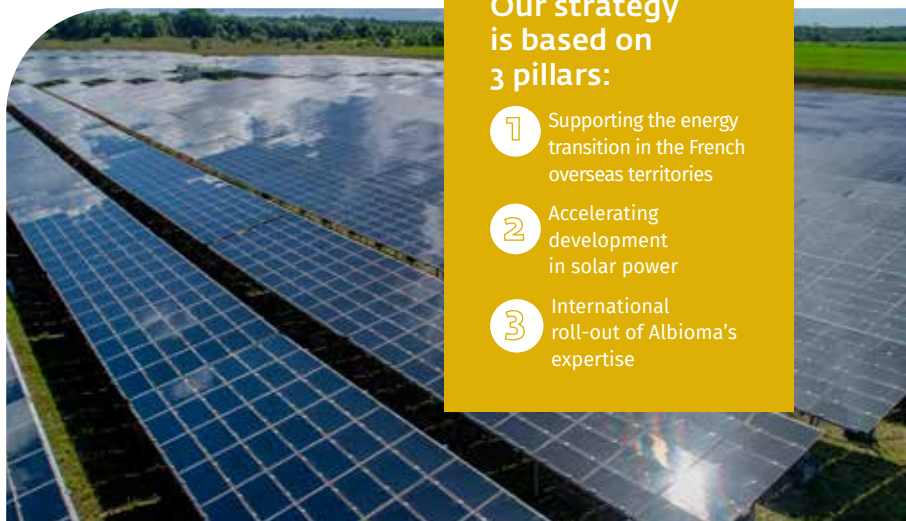
2.4  
Million  
persons supplied  
with electricity

**Albioma is an independent renewable energy producer, supporting the energy transition with renewable energies (biomass, solar and geothermal energy).**

The Group operates in the French overseas territories, metropolitan France, Mauritius, Brazil, Turkey and Canada. Over the past 25 years, it has developed a unique partnership with the sugar industry, producing renewable energy from bagasse, a fibrous residue of sugar cane.

Albioma is also the leading producer of photovoltaic energy in the French overseas territories, where it builds and operates innovative facilities with storage, as well as in Metropolitan France and Brazil.

Since 2021, the Group has been developing in the geothermal energy sector, through the acquisition of two plants in Turkey.



## Our strategy is based on 3 pillars:

- 1 Supporting the energy transition in the French overseas territories
- 2 Accelerating development in solar power
- 3 International roll-out of Albioma's expertise



# A GLOBAL GEOGRAPHICAL presence



INSTALLED SOLAR CAPACITY OF **OVER 150 MWp**

Indian Ocean

52  
MWp

French West Indies  
& French Guiana

35  
MWp

Brazil

32  
MWp

France

30.5  
MWp

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# A MAJOR PLAYER

## in solar power

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A solar energy producer and pioneer since 2006, we are the leader in the French overseas territories and are present in metropolitan France, Spain, Italy and Brazil.

We are also the leading French solar energy production company with triple Quality, Safety and Environment (QSE) certification.

Non-interconnected zones (NIZ) must rise to the challenge of their energy transition. To this end, we are contributing to the ramp-up of renewable energy production, in particular thanks to solar-power projects with energy storage that compensate for the intermittent production of conventional installations.

This technology ensures the continuity and stability of energy production throughout the day (cloudy periods, degradation of weather conditions) and increases predictability.

### Central to the CSR strategy: reconciling electricity production with environmental protection

- For the installation of its photovoltaic installations, the Group selects land without conflicts of use: artificial surfaces, such as the roof of the Mamoudzou market in Mayotte, or land unsuitable for other activities. In agreement with farmers, some plants even host sheep herds that maintain the sites.
- Special attention is also paid to recycling solar panels that are collected by the SOREN eco-organisation, approved by the public authorities.
- The Group conducts its solar energy activities in accordance with strict environmental, occupational health & safety and quality management standards, as demonstrated by its ISO 9001, ISO 14001 and ISO 45001 certification, considered the reference in this area.



Pierrelatte - France



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# OUR PHOTOVOLTAIC solutions

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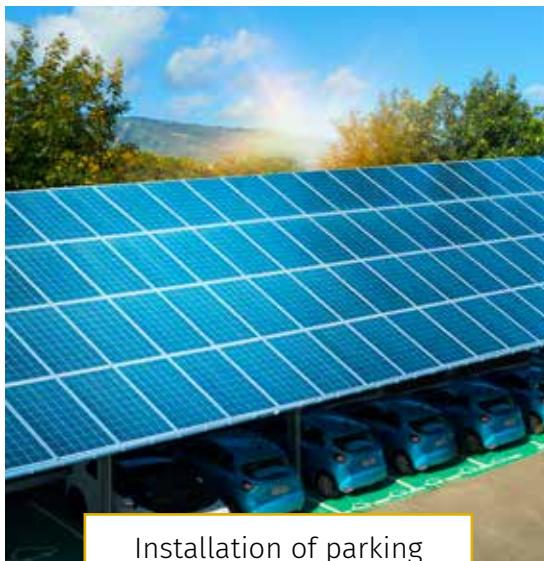
Enhancement of real estate assets thanks to roof renovation (asbestos removal and bringing into compliance)



Installations on the roofs of industrial and tertiary-sector buildings



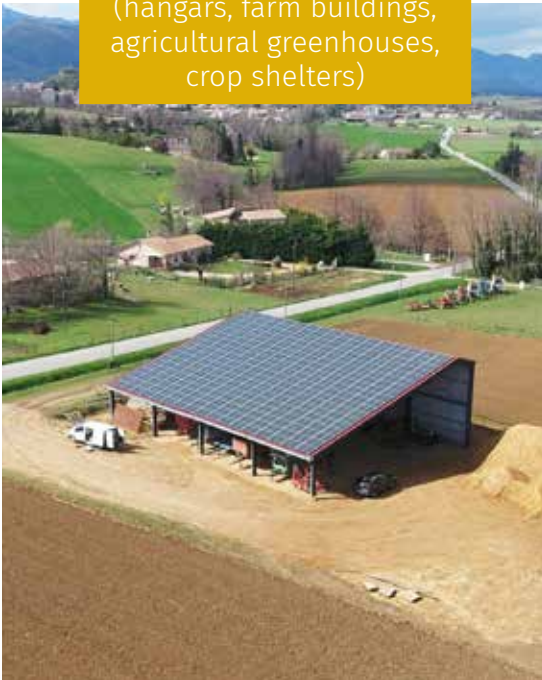
Self-consumption solutions and corporate power purchase agreements (cPPA)



Installation of parking canopies

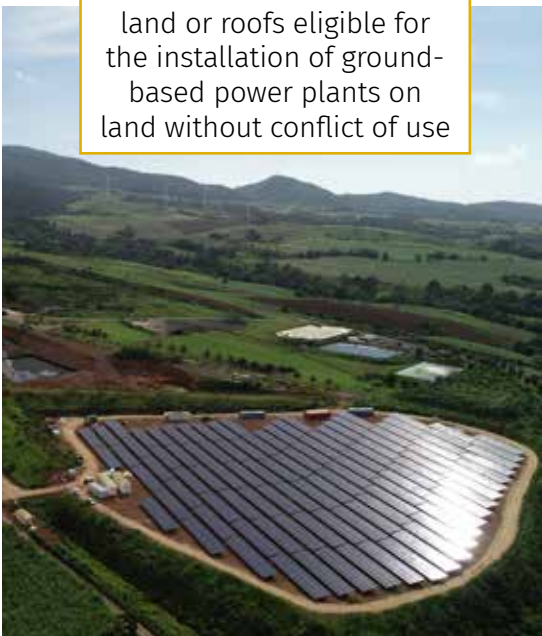


Provision and third-party financing of buildings (hangars, farm buildings, agricultural greenhouses, crop shelters)

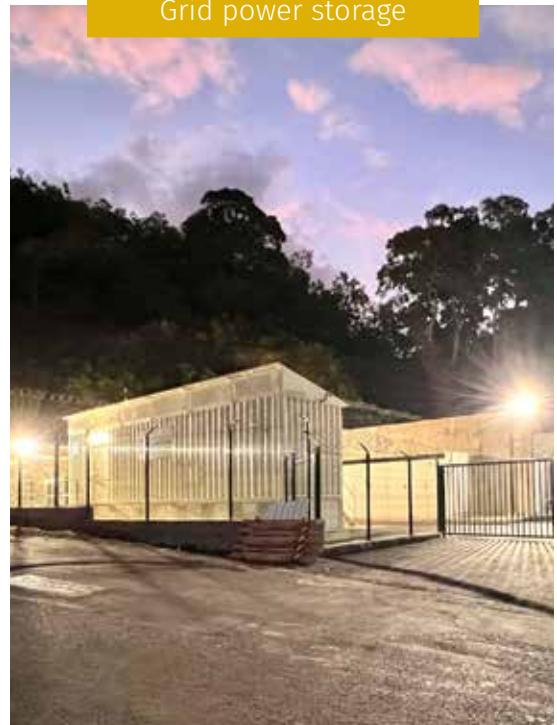


Agrivoltaic farming (crop shelters/livestock-farming shading canopies)

Installation and rental of land or roofs eligible for the installation of ground-based power plants on land without conflict of use

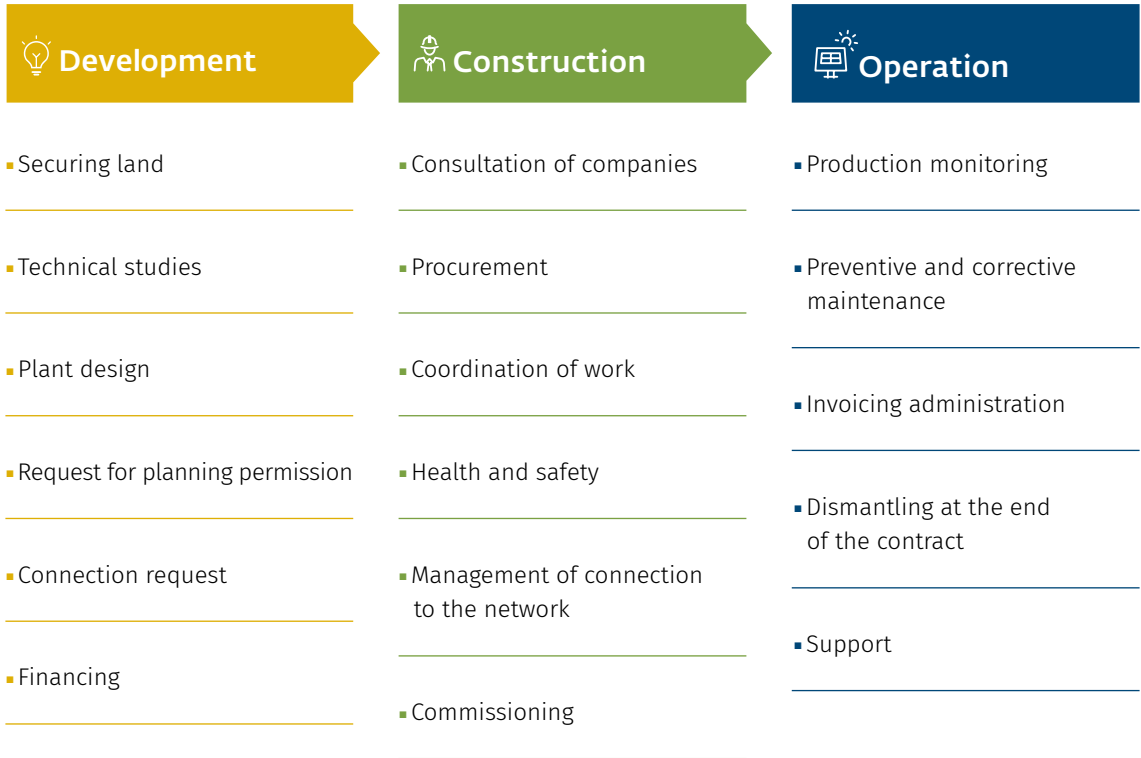


Grid power storage



# CAPITALISE ON YOUR LAND ASSETS:

## support throughout the project







## Let's pool our energies

- By joining forces in the production of photovoltaic electricity, we have made the choice of a responsible act that benefits the environment and the local economy.
- By installing photovoltaic modules on the roof, we provide thermal protection against solar radiation that improves the comfort of the occupants.
- These projects can create synergies such as taking charge (in whole or in part) of the rehabilitation of your sites or the renovation of your buildings.
- Our facilities are scaled according to current standards. They are designed to last at least 20 years and withstand cyclonic winds.

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## WHY CHOOSE ALBIOMA?

what sets us apart...

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Expert teams in  
every region

An industrial  
player, a pioneer  
in photovoltaics

Projects scaled  
according to  
your needs

A long-term  
presence in our  
areas of operation

A single contact  
at your side  
throughout the  
project

Trust-based  
partnerships with  
public institutions  
(including schools,  
sports centres,  
etc.) and private-  
sector operators

Proven financial  
strength

Sustainable  
and ecological  
operations

Provision of an  
asset or additional  
income secured  
by long-term  
contracts

# INNOVATION, the cornerstone of the energy transition

**Albioma offers innovative solutions by positioning itself in energy storage to compensate for the intermittent production of conventional installations.**

## Commissioning of the first electricity storage facility in Mayotte

Located near Longoni Bay, this installation is made up of batteries that store energy in off-peak hours and re-inject it later during peak consumption. Albioma makes the plant available to the network operator, Énergie de Mayotte (EDM), which determines its production programme. It works like an energy tank, which EDM can fill and empty to optimise its production resources and ensure the balance between consumption and production. Albioma is the owner and operator of this plant. After having contributed to construction, the Albioma Mayotte teams are responsible for the operation and maintenance of the plant in order to monitor the production programme. They optimise its operation to maximise its availability.



This installation has 3 aims:

- improve the balance between supply and demand
- reduce carbon emissions related to energy production
- optimise the stability of the network



7.4 MW  
installed  
capacity



# THE GROUP CONTINUES

## its development in Brazil

### **Albioma enters the solar-power market in Brazil**

In 2022, Albioma finalised the acquisition of a portfolio of 6 Brazilian photovoltaic power plants with a total installed capacity of 32 MWp. Operating its historical biomass business model in Brazil since 2014, Albioma thus marks its entry on the solar-power market in the country and therefore continues its development, in line with its international diversification strategy.



Solar power plant – Goiás, Brazil

## OUR PRESENCE

### in the Indian Ocean

52 MWp  
intalled  
capacity

180  
plants  
in operation



Albioma has been operating on Reunion Island and in Mayotte since 2005. In 2006, the first 1 MWp power plant connected to the high-voltage grid was commissioned.

Since then, the Group has developed its expertise in plants with storage, which it has operated since 2014. With 240 installations in the area with a capacity of 52.5 MWp (of which 5 MWp with storage),

Albioma is the leading photovoltaic producer in these two French departments. Its strategic positioning in rooftop power plants, on administrative and industrial buildings, its strategic partnership with SHLMR (Société d'Habitations à Loyer Modéré de la Réunion) and the development of innovative power plants demonstrate the importance of developing solar energy in the Group's energy mix.

### SOLUTIONS SUITED TO DIFFERENT PROFESSIONAL MARKETS

- **Building owners:** reclamation of free surfaces and support for roof renovation (replacement of covering, compliance with fire safety standards, etc.)
- **Landowners:** exploitation of land without conflicts of use (outside agricultural areas, adaptation to natural risks)
- **Building or parking managers:** aménagement d'ombrières et de stations de recharge de véhicules électriques
- **Developers and construction companies:** participation in financing and improvement of the offer to customers
- **Communities and cooperatives:** optimising energy consumption and supporting the energy transition
- **Farmers:** provision of hangars and solar greenhouses of more than 600 m<sup>2</sup>





### Port Ouest

REUNION ISLAND

Plant with storage selected in the CRE 2016 call for tenders



### Church of Sainte Suzanne

REUNION ISLAND

Remarkable building and works on steep slopes



### Parny Evarist School

REUNION ISLAND

Plant in occupied areas on flat roofs



### Star

REUNION ISLAND

Installation on a landfill site in operation, structure adapted to the differential settling on the site, land reclamation



### Mamoudzou market

MAYOTTE

The highest capacity rooftop plant in Mayotte, operated and maintained by our local team



### Bethlehem

REUNION ISLAND

Ground-based power plant allowing the development of a pastoral farming activity

## OUR PRESENCE

### in the French West Indies & French Guiana

35 MWp  
intalled  
capacity

50  
plants  
in operation



Solar power plant - Kourou, French Guiana

Albioma has been operating in the French West Indies and French Guiana since 2008, where the Group has developed:

- 12 MWp of large-scale rooftop projects in the French West Indies connected to the high-voltage network (including 3 MWp on social housing)
- 25.5 MWp of ground-based power plants, including the largest in the French overseas territories, with a capacity of 12 MWp in French Guiana near Kourou in 2011

- 3.6 MWp of plants with storage and next-generation meteorological forecasting in 2019

Thanks to its locally-based team, its know-how and experience, Albioma is the leading photovoltaic producer in French Guiana and Martinique.

#### SOLUTIONS SUITED TO DIFFERENT PROFESSIONAL MARKETS

- **Building owners:** reclamation of free surfaces and support for roof renovation (replacement of covering, compliance with fire safety standards, etc.)
- **Landowners:** exploitation of land without conflicts of use
- **Building or parking managers:** installation of shading canopies and EV charging stations
- **Developers and construction companies:** participation in financing and improvement of the offer to customers
- **Communities and cooperatives:** optimising energy consumption and supporting the energy transition
- **Farmers:** provision of hangars and solar greenhouses of more than 600 m<sup>2</sup>



### Aer

GUADELOUPE

Rooftop plant with storage at a recycling site



### Bonne-Mère

GUADELOUPE

Ground-based plant located on an ICPE site (distillery)



### Concorde

MARTINIQUE

Rooftop installations on social housing



### Lassalle

MARTINIQUE

Ground-based power plant with agrivoltaic farming link (sheep farming and fruit trees)



### Matoury

FRENCH GUIANA

Ground-based plant on marshy ground with no conflicts of use



### Kourou

FRENCH GUIANA

The highest capacity solar power plant in the French overseas territories 160,000 modules installed



# OUR PRESENCE

## in France

30.5 MWe  
intalled  
capacity

more than 100  
plants  
in operation



With 30 MWe installed capacity, including 11 MWe that is ground-based and 19 MWe rooftop-based, Albioma Solaire France has been operating throughout the southern half of the country for over 10 years. In total, the Operations division teams operate more than 100 photovoltaic power plants.

Albioma Solaire France manages the development of plants on rooftops, on hangars and agricultural greenhouses, on industrial buildings or directly on the ground. The focus is also on innovation to meet the needs and challenges of tomorrow.

A qualified and multi-skilled team supports partners and customers throughout the duration of the projects, from the design phase to the end of operation of each plant. Projects are developed in consultation with local stakeholders and taking account of environmental protection.

Thanks to several partnerships with the farming sector, Albioma also works alongside farmers to provide agrivoltaic-farming solutions combining crop production and green energy production.

### SOLUTIONS SUITED TO DIFFERENT PROFESSIONAL MARKETS

- **Farmers:** hangars and livestock buildings over 1,600 m<sup>2</sup>, photovoltaic greenhouses and shelters for crops over 10,000 m<sup>2</sup>
- **Building owners:** support and renovation of roofs to bring into compliance with

standards (asbestos removal, waterproofing, fire standards, etc.)

- **Local authorities or other car-park owners:** installation of photovoltaic canopies
- **Real-estate and land developers:** support in low-energy building procedures with installation of rooftop power plants and parking canopies

- **Industrialists, local authorities and cooperatives:** self-consumption project or power purchase agreements for complete control of the energy budget
- **Landowners:** development of land without conflicts of use (land with low agricultural value, wastelands, polluted and degraded sites, abandoned sites, etc.)



### Pierrelatte

AUVERGNE RHÔNE-ALPES

Ground-based power plant on industrial land (25 ha) with grass kept in check by a flock of sheep



### Alixan

AUVERGNE RHÔNE-ALPES

Self-consumption power plant on a mixed-use building with offices and shops



### Fabrègues

OCCITANIA

Ground-based plant on a site (4 ha) located in an industrial area



### Bourg-lès-Valence

AUVERGNE RHÔNE-ALPES

Self-consumption power plant, canopies on the staff car park of an industrial site



### Rouches

AUVERGNE RHÔNE-ALPES

Rooftop solar power plant on an agricultural hangar, cladding and specific landscape integration



### Restat High School greenhouse

NOUVELLE AQUITAINE

Photovoltaic greenhouse for an agricultural high school to conduct crop tests



www.albioma.com



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