

Albioma

AT A GLANCE

**Energy:
it's time to switch!**

2018



ALBIOMA

Albioma, an independent producer of renewable energy

2017 key figures

480
employees

€403m
in revenue

2.5m
people supplied with
electricity

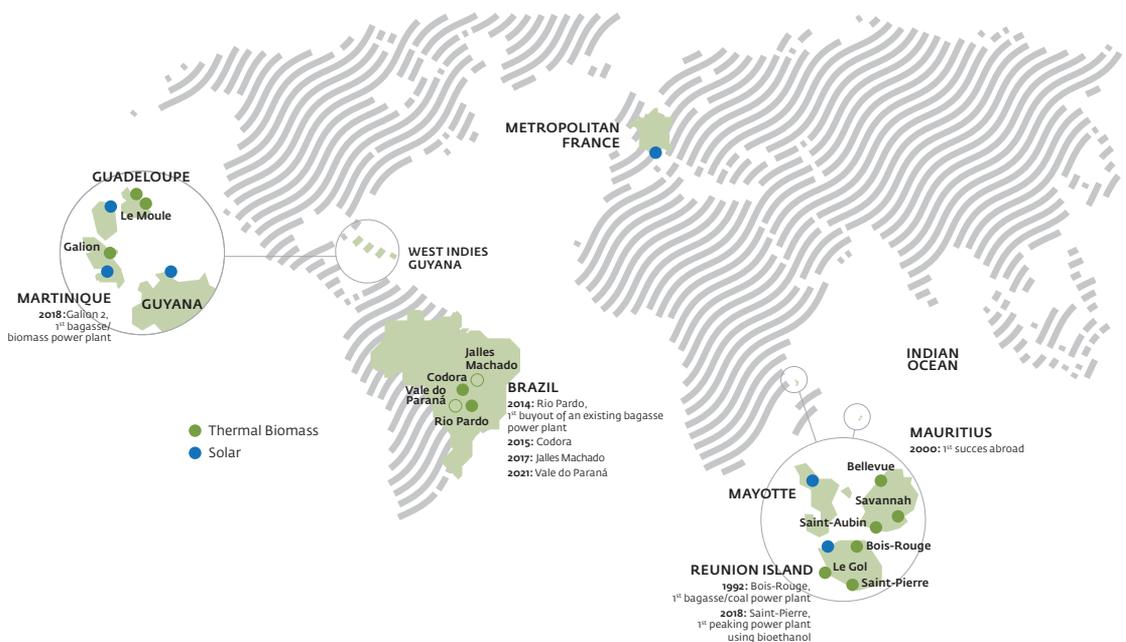
752 MW
installed capacity

Albioma is committed to **the energy transition** thanks to biomass and photovoltaics.

The Group, which is established in **Overseas France, Mauritius** and **Brazil**, has **developed a unique partnership for 20 years** with the sugar industry, to produce renewable energy from bagasse, a fibrous residue from sugar cane.

Albioma is also the **leading generator of photovoltaic power** overseas where it constructs and operates innovative projects with integrated storage capabilities.

For further information, visit our website:
www.albioma.com



Our strategic vision, serving the territories

Our strategy
is based on
3 PILLARS

- 1** – Working on the **ENERGY TRANSITION IN OVERSEAS FRANCE**
- 2** – Rolling out the **BAGASSE/BIO MASS MODEL INTERNATIONALLY**
- 3** – Developing **INNOVATIVE SOLAR PROJECTS** with integrated storage

In the current context of energy transition, the solutions put forward by Albioma to produce stable, renewable energy using biomass allow us to:

- ▶ guarantee the stability of the power grid in which this energy is injected and therefore increase the share of other intermittent renewable energy sources such as solar power, particularly in areas where the network is fragile;
- ▶ structure and sustain local agricultural sectors which improve their competitiveness thanks to biomass energy recovery.

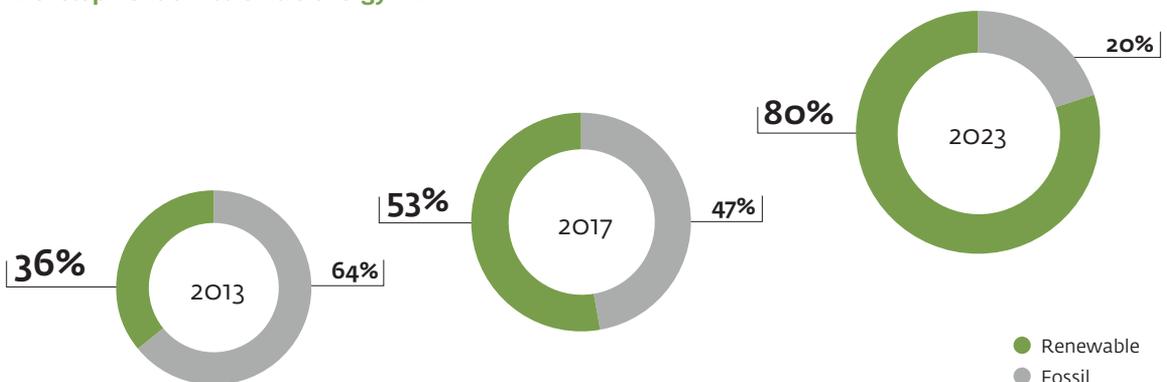
This explains the success of the Albioma model in the French overseas territories and in Mauritius in partnership with the sugar industry, where we contribute to decarbonising the energy mix.

That's why biomass is at the heart of our development model, serving the territories.

Our objective:

80%
renewable energy
by 2023

Development of Albioma's energy mix



1 Working on the energy transition in Overseas France

Energy: it's time to switch!

The international community is committed to fighting climate change and to this end, accelerating the energy transition. Albioma is deploying all its expertise and its capacity for innovation to tackle this major ecological challenge taken collectively and set in the framework of the Climate Plan adapted to France in 2017.

Establishing our unique partnership in isolated islands or areas

Biomass of plant origin is a source of renewable and non-intermittent energy serving unstable networks. We build our growth on the recovery of biomass residue, a considerable pool which is still under-exploited.

Biomass energy can produce electricity through the heat generated by the combustion of organic matter. In particular, waste of plant origin is used: agriculture residues such as industrial pallet shreds, logging debris and especially bagasse, the fibrous residue of sugar cane obtained after extraction of the sugar.

For more than 20 years, Albioma has been developing a unique partnership with the sugar industry that allows us to transform bagasse locally into energy thanks to power stations located near the sugar cane farms. Thanks to this model, we ensure the stability of the power grids in Overseas France, isolated areas of continental energy production, under extremely competitive economic conditions, respecting the hierarchy of use. This model allows us to produce base load, available 7 days a week, 24 hours a day.

Biomass at the heart of energy issues in Overseas France

- The energy recovery of biomass must be the last of its uses.
- Local biomass contributes to the economic and social dynamism of our territories with the emergence of supply chains.
- The imported biomass comes from sustainably managed forests. It is certified by third party organisations.

Innovation, the keystone of the energy transition

In 2018, Albioma has commissioned two new sites dedicated to the production of renewable energy in Overseas France: **the Galion 2 plant and the Saint-Pierre combustion turbine.**

The Galion 2 plant (Martinique) is the first 100% bagasse/biomass plant in the French overseas departments.

The plant is intended to provide year-round renewable electricity for the power grid in Martinique as well as steam to feed the industrial process at the Galion sugar refinery.

It will triple the production of renewable electricity on the island and contribute to the decarbonisation of Martinique's energy mix.

100%
biomass

40 MW
24/7

The combustion turbine in Saint-Pierre (Reunion Island) will become the world's first power plant using bioethanol produced from the distillation of local sugar cane molasses. It will support consumption peaks and will help secure the Reunion Island network.

80%
bioethanol

41 MW
securing the network

Albioma confirms its status as a key player in renewable energy, controlling the production of basic (year-round) or peak (grid-secure) energy, thanks to biomass. It allows the network integration and management of other renewable energy sources, such as solar energy.



100% biomass power plant -
Galion 2, Martinique

Combustion turbine -
Saint-Pierre, Reunion Island





100% biomass power plant - Galion 2, Martinique

2 Rolling out the bagasse/biomass model internationally

Since 2000, with Mauritius, we have successfully developed our partnership model with the agro-industrial sector; today we produce 45% of the electricity on the island.

In 2014, this unique know-how enabled the Group to roll out its original model in Brazil, the world's leading producer of sugar and of ethanol obtained from sugar cane. Brazil naturally remains our international priority for the coming years.

With the ambition of continuing the development of its model at a sustained pace, Albioma is also studying other opportunities for biomass recovery, without any conflict of use.

2017 key figures for the thermal business

10
power plants

2.3 mt
of biomass residue recovered

352
employees

425 MW
in the Indian Ocean

142 MW
in the West Indies

120 kWh
exported to the network per tonne of sugar cane in the overseas departments

108 MW
in Brazil

x 2
doubling average exports by tonne of sugar cane in Brazil thanks to the takeover of operations by Albioma

Energy efficiency, Albioma's recognised expertise in Brazil

An exceptionally deep market

Brazil is the world's leading producer of sugar cane (700 million tonnes of sugar cane in Brazil compared with 2 million tonnes on Reunion Island).

There are currently more than 340 sugar refineries operating in Brazil, making it the world's deepest market for bagasse-based energy production.

A booming market

The Brazilian electricity market offers strong growth prospects.

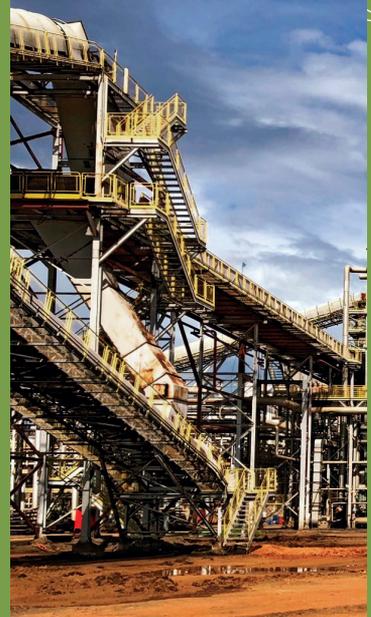
According to the latest version of the energy development plan, the energy matrix is expected to grow by 2.3% per year. Today, 7% of the country's electricity is produced by recovering bagasse.

Brazilian sugar companies, however, do not recover their bagasse optimally. On average, bagasse cogenerations export 50 kWh per tonne of sugar cane compared with 120 kWh per tonne of sugar cane for the Albioma power stations in the French overseas departments.

It is this very significant pool of productivity and energy efficiency that prompted Albioma to take an interest in this market in 2013.

Recently, **the Group confirmed its development ambitions in Brazil via:**

- **the announcement of a project under construction, Vale do Paraná**, the first project in which Albioma will contribute to the renovation of the cogeneration unit and its connection to the network, for commissioning in 2021;
- **the signing of a fourth investment, the second with the group Jalles Machado**, which attests to the renewed confidence of our partner since 2015.



Thermal power plant - Codora, Brazil

2013

beginning of prospection in Brazil

2014

acquisition of Rio Pardo

2015

acquisition of Codora

2016

signature of the
Vale do Paraná project
(commissioning 2021)

2017

signature of the
Jalles Machado project



Photovoltaic power plant - West Harbor, Reunion Island

2017 key figures for the solar business

33
employees

31 MW
in the West Indies and
in Guyana

30 MW
in the Indian Ocean

13 MW
in metropolitan France

10 MW
won in invitations to tender
in 2016 and 2017

23%
of our operating income

3 Developing innovative solar projects with integrated storage

Solar power, an inexhaustible energy with considerable technological potential

Taking advantage of its presence in very sunny regions, since 2006, the Group has been a key player in the production of photovoltaic energy in the French overseas territories. To offset the intermittent nature of solar energy, the Group's photovoltaic projects include storage technology.

This technology significantly increases plant availability, stabilises and guarantees production during the day (cloudy weather, change in weather conditions, etc.) and increases predictability.

Triple certification of the solar business and respect for land use, at the heart of our projects

Albioma's entire solar business has obtained the triple certification ISO 9001, ISO 14001 and ILO OSH 2001. Albioma respects strict environmental, occupational health and safety and quality management standards. Albioma operates a photovoltaic fleet split evenly between rooftop and ground-array power plants. Particular attention is given to blending these projects into their surroundings and managing potential conflicts in terms of land use.

Our CSR approach, at the heart of the Group's strategy

Albioma has defined as a strategic priority the increase of the share of renewable energy in its energy mix, raising it to 80% by 2023.

This objective is underpinned by a clear CSR approach, broken down into 8 strong commitments, based on 3 pillars: Environment, Social, Society.

Real levers of transformation in our Group, they concern all our activities, across the world.



Our employees, ensuring our dynamism

2017 key figures

480
employees

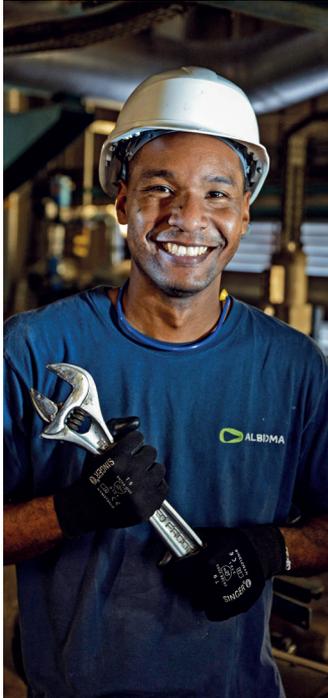
44
hours of training
per employee on average

4.2%
interns, VIE volunteers
and work-study students

Our requirement: zero accidents. We work every day in a process of continuous improvement to ensure that safety is at the heart of each of our actions. Our priority is the safety of the Group's employees.

We strive to encourage the training of our employees and the development of their skills.

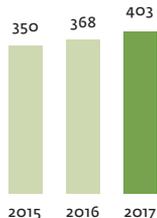
We also support local employment. Our employees' knowledge of local operating conditions, economic conditions and stakeholders is invaluable for the Group's business. We are thus a key player in the agricultural, economic and local industrial fabric.



Employees of the Albioma Group

Financial overview

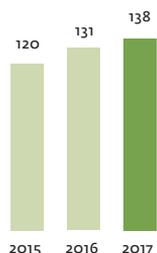
Revenue (in €m)



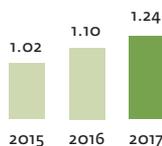
Net income, Group share (in €m)



Operating income (EBITDA) (in €m)



Net earnings per share (in €)



2017 key figures

€403m
revenue

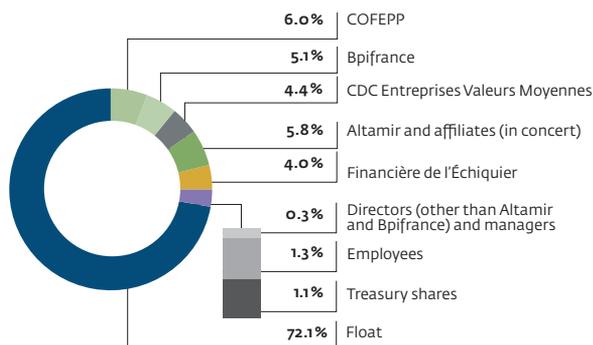
€138m
operating income
(EBITDA)

€37m
net income, Group share

€1.24
earnings per share

€0.60/share
dividend

Shareholder structure as at 30 April 2018



Albioma is listed on Euronext Paris, compartment B - SRD, PEA, PEA-PME



Consult all of our publications on www.albioma.com



Energy: it's time to switch!

Tour Opus 12
La Défense 9
77 esplanade du Général de Gaulle
92914 La Défense cedex
France

T.: +33 (0)1 47 76 66 44
contact@albioma.com