

# THE ESSENTIALS

## ALBIOMA



**ALBIOMA**

Independent renewable energy producer



Photovoltaic Power Plant – Lasalle, Martinique

# ALBIOMA

an independent renewable  
energy producer

**844**  
EXPERTS

**> 1 GW**  
INSTALLED CAPACITY

**2.6 TWh**  
ELECTRICITY  
SOLD PER YEAR

**2.8 M**  
PEOPLE SUPPLIED  
WITH ELECTRICITY

Albioma is an energy producer committed to the energy transition through **biomass, solar photovoltaic** and **geothermal energy**.

The Group is established in the **French overseas territories, mainland France, Mauritius, Brazil, Canada, Australia** and **Turkey**.

For 30 years, it has developed a unique partnership with the **sugar industry** to produce renewable energy from **bagasse**, the fibrous residue of sugarcane.

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

Since 2021, the Group has been expanding into **geothermal energy**, with the acquisition of two plants in Turkey and the obtaining of **exclusive exploration permits** in the overseas territories.

Albioma is committed for the long term with its partners to guarantee the production of **reliable and sustainable energy**.

Our teams develop and implement **tailor-made solutions** to accelerate the energy transition.



# OUR GEOGRAPHICAL presence

## STRONG MARKET SHARES

ELECTRICITY PRODUCED

**40%**

LA RÉUNION

**27%**

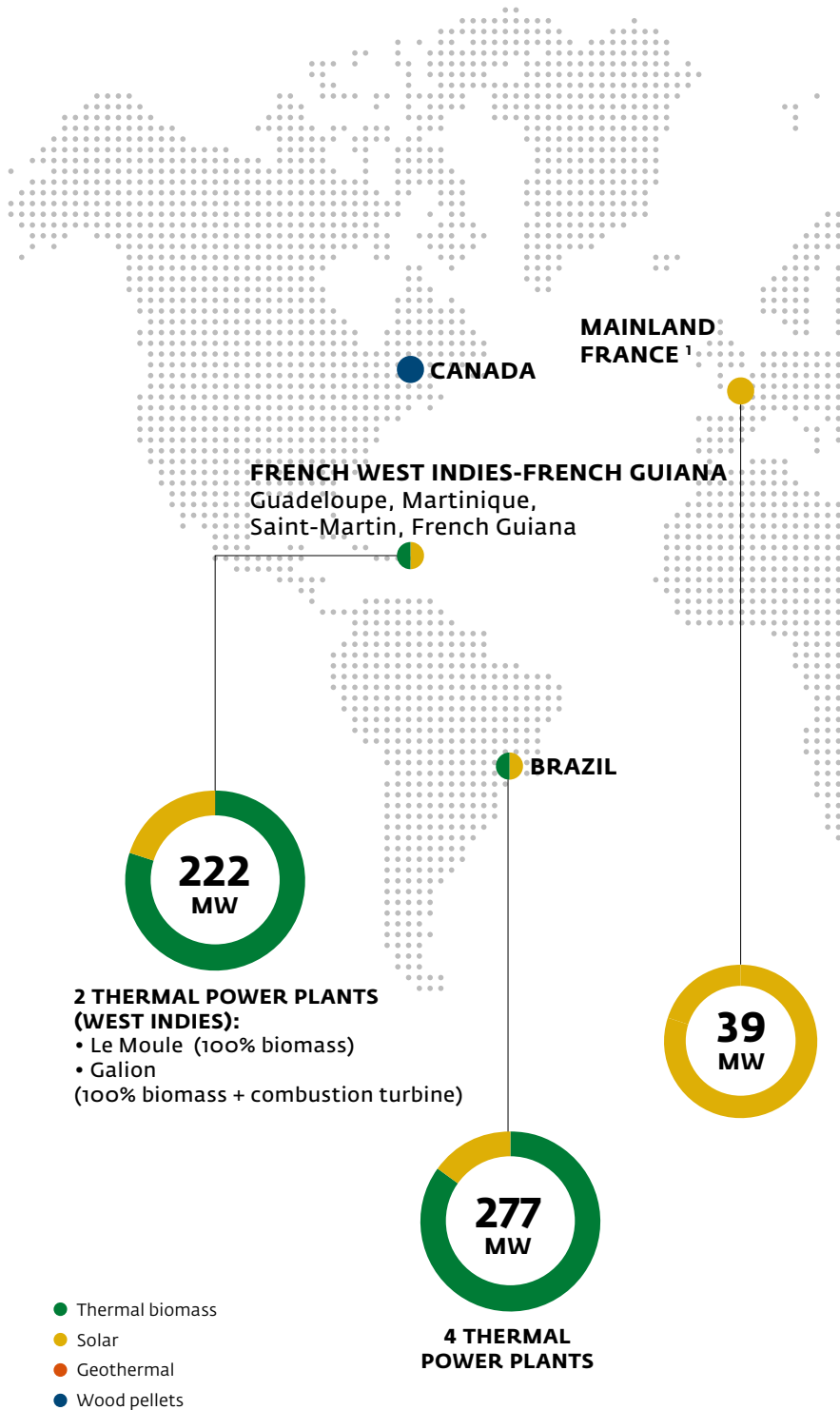
GUADELOUPE

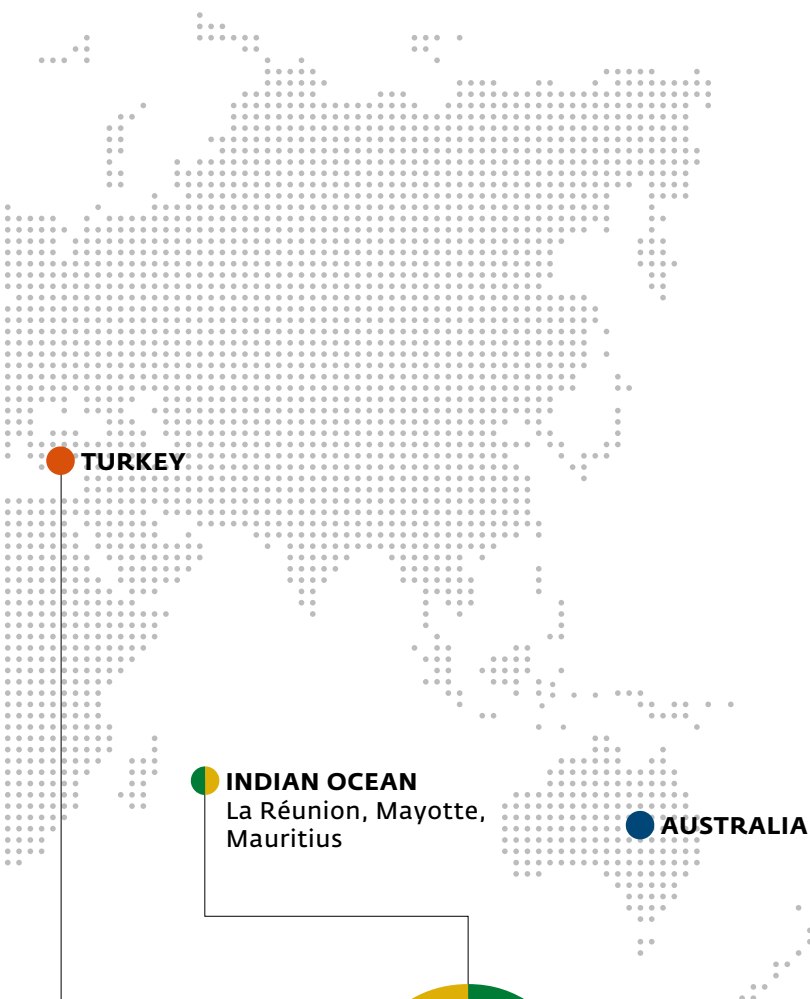
**18%**

MARTINIQUE

**35%**

MAURITIUS

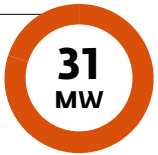




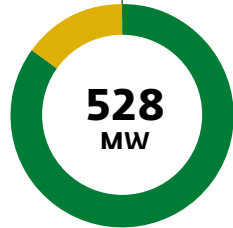
**TURKEY**

**INDIAN OCEAN**  
La Réunion, Mayotte,  
Mauritius

**AUSTRALIA**



**2 GEOTHERMAL  
POWER PLANTS**



- 3 THERMAL POWER PLANTS  
(LA RÉUNION):**
- Le Gol (100% biomass),
  - Bois-Rouge (100% biomass),
  - Saint-Pierre (bioéthanol turbine)

**3 THERMAL POWER PLANTS  
(MAURITIUS)**

*(1) Including a presence in Spain and Italy*



Galion 2 - Martinique



Le Moule - Guadeloupe



Bois-Rouge - La Réunion



Le Gol - La Réunion

# OUR STRATEGY

serving the territories

STRATEGIC AXIS

1

STRENGTHEN  
OUR POSITION  
AS LEADER  
IN OVERSEAS  
TERRITORIES

STRATEGIC AXIS

2

DEPLOY OUR  
EXPERTISE  
IN OTHER  
GEOGRAPHIES

STRATEGIC AXIS

3

DEVELOP  
OPERATIONAL  
EXCELLENCE

STRATEGIC AXIS

4

REDUCE THE  
CARBON  
IMPACT OF OUR  
ACTIVITIES

STRATEGIC AXIS

5

DEVELOP AND  
SUPPORT OUR  
TEAMS

# OUR OBJECTIVES

for 2033

Bois-Rouge, La Réunion



2

ECONOMIC  
OBJECTIVES



EBITDA

€500

million EBITDA  
in 2033



DEVELOPMENT  
INVESTMENT

+€200

million invested  
each year

1

ENVIRONMENTAL  
OBJECTIVE



CARBON  
INTENSITY

Moves from  
300 to

50 grams  
of CO<sub>2</sub>/kWh

Commit to a  
**Net Zéro**  
trajectory by 2040

# STRENGTHEN OUR POSITION AS LEADER IN OVERSEAS TERRITORIES

## BIOMASS

at the heart of energy challenges in overseas territories

7/7 days  
24/24 hours  
CONTINUOUS BASELOAD ENERGY PRODUCTION

3 MT  
BIOMASS RESIDUES VALORIZED PER YEAR

466 MW  
IN THE INDIAN OCEAN

182 MW  
IN THE WEST INDIES

153 kWh  
EXPORTED TO THE GRID PER TON OF SUGARCANE IN THE FRENCH OVERSEAS DEPARTMENTS (DOM)

### ENSURING THE STABILITY OF ELECTRICAL GRIDS

**The solutions proposed by Albioma for producing stable and renewable energy from biomass make it possible to:**

- ▶ guarantee the stability of the electrical grids into which this energy is injected, and therefore increase the share of other intermittent renewable energies such as solar—particularly in areas where the grid is fragile;
- ▶ structure and sustain local agricultural supply chains, improving their competitiveness through the energy valorization of biomass. For 30 years, Albioma has developed a unique partnership with the sugar industry, enabling us to locally transform bagasse, the fibrous residue of sugarcane, into energy with plants installed close to the farms.

#### A complete phase-out of coal, a major step forward

The historical model of Albioma plants relied on the use of coal outside the sugar season.

Faced with the climate emergency, fossil fuels no longer had a future. Global consensus has highlighted the effects of coal on carbon emissions and the urgency of drastically reducing CO<sub>2</sub> emissions.

In this context, converting our overseas plants to operate on 100% biomass became an essential response.

## THREE BIOMASS SOURCES FOR A SPECIFIC MODEL

Priority is given to mobilizing biomass residues available locally without conflicts of use.



### 1 Bagasse, a sugarcane residue

The primary agricultural resource in overseas territories, sugarcane—available in large quantities—is suited to tropical contexts thanks to its resistance to climatic hazards. Processing harvested cane for 4 to 6 months per year generates a residue: bagasse. Its advantages make it a fuel capable of supplying the electricity grid and the adjacent sugar mill with steam, while only a small share is sufficient to meet all livestock needs, in line with the hierarchy of uses.



### 2 Other local biomass supply chains, sustainable and with socio-economic added value

Used pallet wood, composting rejects, and packaging wood complement bagasse in our facilities. These supply chains offer territories an opportunity to reduce landfill disposal in favor of a circular economy. Our plants are also a lever for developing agroforestry: trimming hedges around agricultural plots has already been successfully tested in our facilities, while ensuring compliance with our environmental requirements.

Finally, we work alongside the French National Forestry Office to provide a solution in the fight against invasive species—an issue tied to the major challenge of preserving biodiversity in these territories. Valorizing these previously unused local resources also helps contribute to the objective of energy self-sufficiency.



### 3 The sustainable biomass import supply chain, notably with our wood pellet production plants

#### ► Strict requirements for our suppliers to ensure the sustainability of our supplies

The criteria required ensure that high conservation value forests and carbon stocks are preserved, impacts on soils and biodiversity are minimized, the forest's productive capacity is maintained, and the forest remains a forest after harvesting. The certification systems we use—FSC®\*, PEFC and SBP—support compliance with these requirements by all stakeholders in the chain, through traceability verified by third parties.

#### ► Lower carbon emissions from biomass compared with coal

Our carbon footprints are calculated using methodologies validated by the European Commission, relying on supplier data that have been validated in advance by control bodies. The reduction in CO<sub>2</sub> emissions compared with coal at our facilities is more than 80%.



\*License codes: FSC-C178750, FSC-C167836, FSC-C167845

# DEVELOP

## projects that meet specific needs

The situation of overseas territories is unique and requires projects specifically adapted to non-interconnected zones remote from mainland France. Solar and geothermal energy are major assets to ensure local, renewable electricity production with low CO<sub>2</sub> emissions.

### SOLAR, AN INEXHAUSTIBLE ENERGY

Benefiting from its presence in very sunny regions, the Group has been the leader in photovoltaic energy production in the French overseas territories since 2006.

Albioma operates a photovoltaic portfolio composed half of rooftop plants and half of ground-mounted plants. Proper integration of these projects into the territories is a key focus, notably regarding potential land-use conflicts.



### GEOHERMAL, A DECARBONIZED, LOCAL ENERGY AVAILABLE CONTINUOUSLY

Since 2021, the Group has been developing geothermal energy, operating two plants in Turkey. Aware of the strong overseas geothermal potential, Albioma has obtained two exclusive exploration permits in La Réunion and Mayotte, where the resource is still untapped. Other permits are expected in the coming months.

To consider project development in overseas territories, deep drilling will be required. This is essential to reduce uncertainties about the reservoirs and to better estimate geothermal potential.

Ultimately, the development of geothermal plants will meet three objectives:

- ▶ reduce CO<sub>2</sub> emissions,
- ▶ move toward energy self-sufficiency,
- ▶ promote local employment.

#### Turning waste into energy, one more step toward energy self-sufficiency

At the end of 2026, at the Bois-Rouge site in La Réunion, a dedicated boiler will make it possible to valorize each year nearly 70,000 tonnes of Solid Recovered Fuel (SRF), a high-energy-quality fuel. This new fuel will provide additional electricity, promote the circular economy and help increase La Réunion's energy self-sufficiency.

## DEPLOY OUR EXPERTISE IN OTHER GEOGRAPHIES

# BIOMASS, our know-how applied in sugarcane-producing countries

### IN MAURITIUS

Since 2000, in Mauritius, we have successfully developed our partnership model with agro-industrial players.

### IN BRAZIL

Since 2014, our unique expertise has enabled us to deploy our original model in Brazil with 4 biomass plants. Brazil is the world leader in the production of sugar and ethanol from sugarcane.

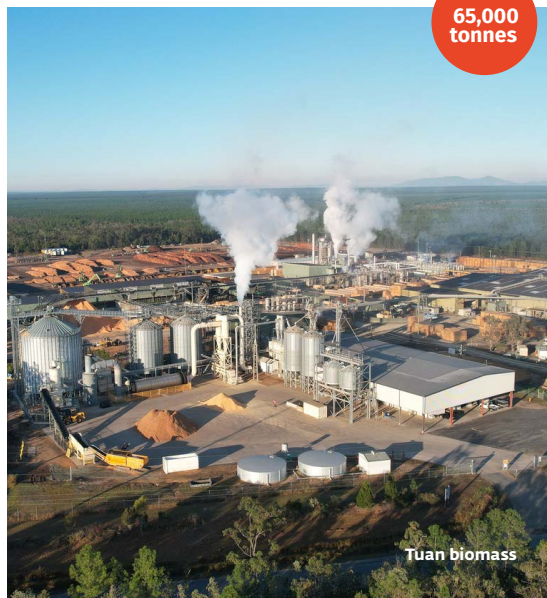


# SECURE our biomass supply

To supply our overseas biomass plants, the Group owns two wood pellet production plants. Vertical integration of supplies helps secure and diversify sources of high-quality sustainable biomass, complementing the portfolio of contracts developed with leading international suppliers.

The Group makes it a point of honor to reduce its carbon footprint. Wood pellet production is part of a strategy aimed at reducing greenhouse gas emissions, while strictly complying with current regulations and European Union quality standards.

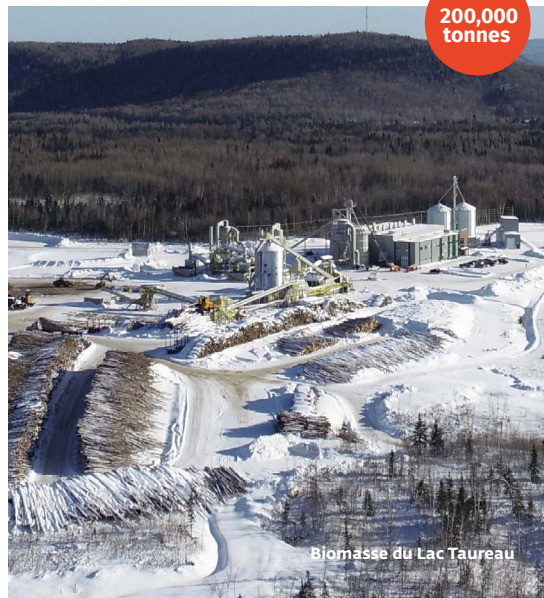
## IN AUSTRALIA



Located at the heart of the Indo-Pacific basin, the Tuan biomass plant supplies the Group's biomass plants located in La Réunion.

The plant's raw material consists of residues supplied under long-term agreements by the main sawmills in the State of Queensland, which process wood from sustainably managed forests.

## IN CANADA



Ideally located to supply the Group's West Indies thermal plants, the Biomasse du Lac Taureau plant in Quebec produces SBP-certified (Sustainable Biomass Program) pellets from wood residues or low-grade wood sourced from forests certified for sustainable management.

# SOLAR, a renewable and abundant energy

## IN MAINLAND FRANCE AND BRAZIL

The Group also deploys its know-how in solar energy, notably in mainland France and Brazil.



Albioma Solaire, France

# GEOHERMAL, a catalyst of expertise for overseas territories

## IN TURKEY

Since 2021, the Group has acquired two geothermal plants in Turkey.

Geothermal energy is a renewable energy source available 24/7, converting heat from underground into electricity.



Albioma Kuyucak, Turkey

## SAFETY, our absolute priority

**Safety and operational excellence go hand in hand. The Group's activities, in continuous-fire process industries, are potentially accident-prone.**

**The goal of zero serious accidents helps build a safety culture aligned with operational excellence and sustainable performance optimization. High standards, professionalism and care are at the heart of this culture, reflected in a Health & Safety policy for the entire Group.**

The action plans in our roadmap are monitored by a monthly safety committee bringing together the main operational divisions of the Group.

These rely on:

- ▶ Everyone's competence, through field-based training adapted to tasks/missions/roles;
- ▶ Supervisors' leadership embodied through a strong field presence (managerial safety visits) and in-depth analysis (root-cause analysis) of any event that could have caused serious harm to employees;
- ▶ Implementation of robust systems and procedures and their strict application in operations and investment projects. In this respect, ten "golden rule" standards apply to work that exposes employees and subcontractors to identified hazards.

This roadmap also concerns contractors, enabling Albioma to enhance the social impact of its activities on its direct and indirect environment. To do so, we support the professional development of employees and subcontractor teams. The safety and integrity of people come first.



**OUR PRIORITY:  
ZERO SERIOUS ACCIDENT**

Employee of Albioma Solaire Antilles

# TURN

## operational excellence into a growth lever

**Operational excellence is a long-term strategic approach that is fundamental to ensuring the competitiveness, sustainability and growth of the Group.**

Through a continuous improvement plan (EfOp: Operational Efficiency) integrating roadmaps for our thermal and solar businesses, as well as a safety roadmap, we have set clear objectives:



Employee of Albioma Le Gol, La Réunion

### ENGAGE OUR TEAMS

Operational excellence helps value our people and improve safety and quality of working life.

### OPTIMIZE OUR PROCESSES

Operational excellence helps us meet the needs of our customer, the grid operator, by ensuring the reliability of our facilities and delivery of grid services.

### STRENGTHEN OUR SOCIAL AND ENVIRONMENTAL RESPONSIBILITY

Operational excellence helps address the environmental challenges of the territories where we operate.

### IMPROVE THE QUALITY OF OUR PRODUCTS AND SERVICES AND FOSTER INNOVATION

Operational excellence helps us deploy resources intelligently by investing in more efficient equipment and building partnerships with suppliers to raise their capabilities.

On a daily basis, it represents a shared vision guiding all our practices, operations and methods to carry out our mission under the safest working conditions.

STRATEGIC AXIS  
**4**

# REDUCE THE CARBON IMPACT OF OUR ACTIVITIES

Aware of the climate emergency, Albioma chose to align its development with the objectives of the Paris Agreement, committing to a trajectory compatible with warming limited to +1.5°C.

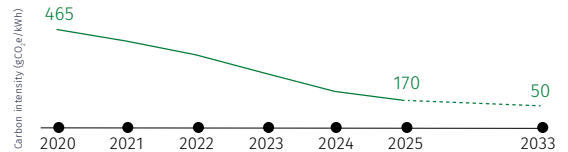
This ambition translates into a profound transformation of its activities, aiming to produce energy that is ever more sustainable, local and low-carbon.

Albioma has thus set a clear objective: reach a carbon intensity of:

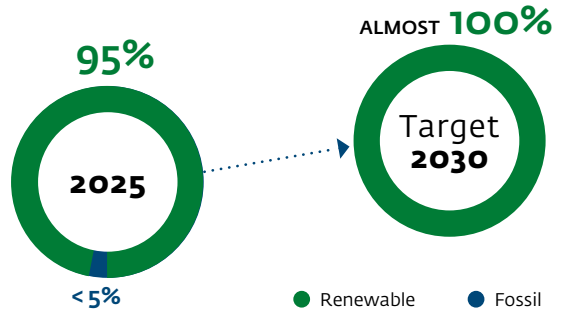
**50** grams of CO<sub>2</sub>/kWh by 2033 

To deliver on this commitment, the Group has adopted a structured CSR roadmap (Corporate Social Responsibility), addressing major environmental issues to integrate them concretely across all its businesses, projects and territories of operation.

Projection of Albioma carbon intensity\*  
*Scope 1,2 and 3*



Change in Albioma energy mix\*



\*Source: Albioma

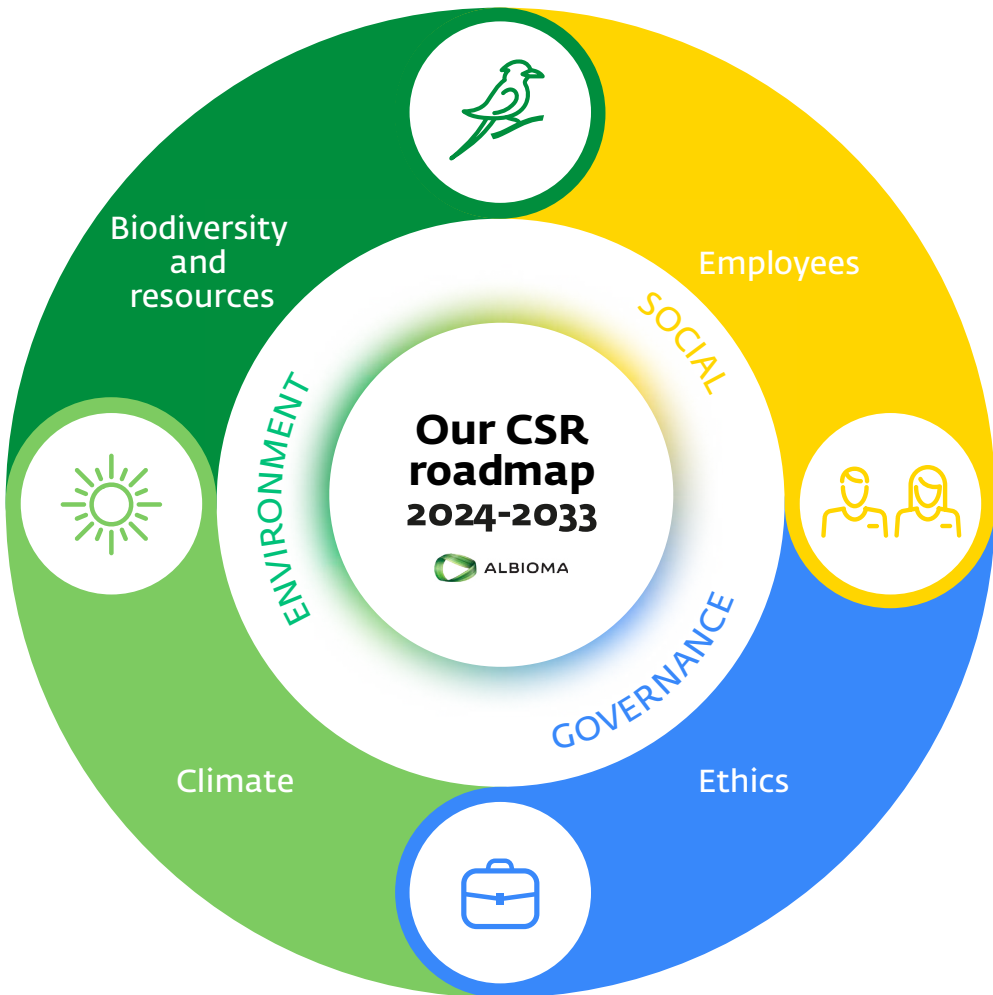


# OUR CSR roadmap

**Our CSR strategy guides our decisions to combine economic performance, preservation of natural resources and social well-being.**

Our roadmap provides a 10-year vision aligned with the Group's strategy and actions.

It is structured around 3 pillars (Environment, Social and Governance) with objectives and commitments.



# DEVELOP AND SUPPORT OUR TEAMS

## VALUING know-how and collective commitment

**Our 844 employees are the driving force behind our dynamism. We therefore attach great importance to the proper development of their careers.**

### DEVELOP AND SUSTAIN OUR TECHNICAL AND INDUSTRIAL EXPERTISE

The company invests significantly in training and professional development programs for its employees. Albioma ensures each staff member can evolve and adapt to new technologies, jobs and working methods. Moreover, employee safety is our absolute priority: we implement all necessary measures to guarantee a safe and secure working environment.

The company also ensures the transfer of know-how in case of retirement departures among operations or maintenance staff on our industrial sites.



**844**  
EMPLOYEES

**40.3 h**  
AVERAGE TRAINING HOURS PER EMPLOYEE

**Our values**

- Expertise
- Team spirit
- Commitment
- Agility





Employees of Albioma Solaire Réunion

## MEASURING ENGAGEMENT AND INCREASING OUR EMPLOYEES' SENSE OF BELONGING

We want all employees to develop pride in belonging to a company that assumes a key mission serving the population and is fully invested in the energy transition. To that end, we conduct engagement surveys every two years among all employees.

## RECRUITING TOMORROW'S EXPERTS

Albioma aims to attract and recruit the best experts and talents in the sector to continue innovating and developing projects. The company stands out for its ability to integrate varied skills and offer career development opportunities internally.

By recruiting experts, Albioma seeks not only to strengthen technical capabilities, but also to continually improve its environmental and social impact. Albioma employees are key players in the energy transition.

### In overseas territories, local roots: a strength of our employment model

By valorizing bagasse for energy, we help sustain the cane-sugar sector, which is part of the heritage of overseas territories and Mauritius.

Our activities are one link in a broader chain that sustains and increases added value in the territories where we operate.

Through the transformation of our plants, new local biomass collection and preparation supply chains are being set up, strengthening our commitment to more sustainable and environmentally respectful energy production.

For solar and geothermal activities, priority is also given to local employment.

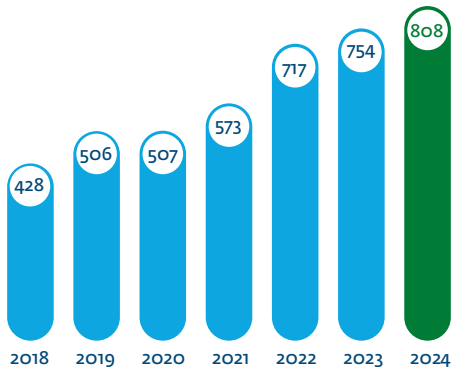
# OUR FINANCIAL

and extra-financial indicators

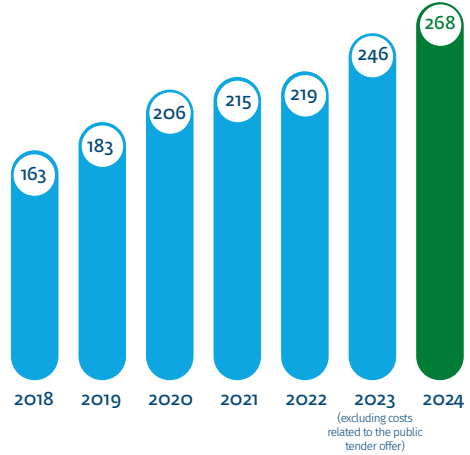


## FINANCIAL OVERVIEW

**Revenue**  
(in €m)



**Gross operating surplus (EBITDA)**  
(in €m)





Le Gol, La Réunion



## CONTRIBUTION TO THE ENERGY TRANSITION

RENEWABLE ENERGY	UNIT	2024	2023	2022	2021	2020
Share of production from renewables	%	92	85	79	74	68
CO <sub>2</sub> intensity of energy produced (scopes 1 and 2)	geqCO <sub>2</sub> /kWh	137	218	283	321	368
Quantity of bagasse and other biomass valorized	million tonnes	2.8	2.8	2.5	2.7	2.5



## MANAGEMENT OF ENVIRONMENTAL IMPACTS

VALORIZATION AND ENVIRONMENT	UNIT	2024	2023	2022	2021	2020
Water intensity of energy produced	liter/kWh	1.37	1.42	1.44	1.56	1.67
Quantity of combustion by-products generated (coal and bagasse)	thousand tonnes	158	228	246	323	292
Share of by-products valorized	%	61.8	51.6	51	44	44
SOx* emissions intensity	g/kWh	0.25	0.29	0.19	0.37	0.42
NOx emissions intensity	g/kWh	0.46	0.40	0.59	0.48	0.42
CO* emissions intensity	g/kWh	0.21	0.21	0.22	0.19	0.16
Dust emissions intensity	g/kWh	0.20	0.17	0.21	0.2	0.15



## SOCIAL AND SOCIETAL

SAFETY	UNIT	2024	2023	2022	2021	2020
Number of workplace accidents	#	16	18	13	16	14
Employee accident frequency rate	#	11.7	12.72	10.08	8.06	13.42
Employee accident severity rate	#	0.5	0.14	0.49	0.25	0.33
SOCIAL	UNIT	2024	2023	2022	2021	2020
Group headcount	#	844	826	768	678	606
Training hours per employee	h/year/employee	40	41	47	42	29
Share of interns, VIE and apprentices	%	5.1	5.5	6	7	8.0
Share of women in workforce	%	19	19	18	19	19
SOCIETAL	UNIT	2024	2023	2022	2021	2020
Number of households supplied with electricity	thousand households	809	811	756	833	815

\*Excluding Brazil

## OUR CORPORATE FOUNDATION, IN OVERSEAS TERRITORIES

The Albioma Foundation acts to support and encourage local initiatives in the fields of biodiversity and professional integration, in order to build a sustainable future for all in the territories where the Group is present.

### Examples of projects supported in biodiversity

#### La Réunion



### Restoration of turtle beaches

CEDTM

Sea turtles, emblematic species of La Réunion, are now threatened. The island was once a major nesting site, but this phenomenon has become rare.

CEDTM (Centre for Studies and Discovery of Sea Turtles) works to rehabilitate nesting beaches by fighting invasive alien species and replanting endemic flora favorable to the return of females. This endemic plant cover also helps limit coastal erosion, which is increasing.

Other measures include reducing light pollution to prevent disorienting hatchlings, as well as managing tourist footfall through coastal trails to protect nests.

These actions are carried out as part of an integration worksite workshop, offering people far from employment training in green space management and biodiversity.



#### Mayotte



### Restoration, management and valorization of lac Karihani

GEPOMAY



Lake Karihani (Dziani Karihani in Shimaoré) is the only natural freshwater lake in Mayotte. Covering 7 hectares, it has been managed by GEPOMAY since 2023. It is one of the main feeding sites for the white crane, a bird endemic to the region and critically endangered in Mayotte.

The project has five objectives:

- study the lake's dynamics through a hydromorphological analysis;
- restore the site (fight against invasive alien species, replant native plants, integration workshops) and find solutions against its drying-up;
- monitor preserved plots;
- raise awareness among stakeholders, notably elected officials and young people;
- ensure long-term actions with user participation.

## Examples of projects supported in professional integration

### Martinique



## Clothing collection bins

Acise Insertion Environnement

The Acise Insertion Environnement association is the main collector of TLC waste (Textiles, Household Linen, Shoes) in Martinique.

Thanks to significant investment and a network of collection bins, it increased from 423 tonnes collected in 2021 to more than 1,300 tonnes in 2022. This work-integration organization employs more than 100 people, with an economic model based on annual tonnage collected.



In a territory highly dependent on textile imports, Acise aims to structure a local supply chain to valorize textiles in its shops and recycle those that are not resold.

Employees in integration thus acquire skills in waste management, textiles, upcycling and sales.

The Albioma Foundation financed 44 collection bins, covering new territories and generating around 300 additional tonnes per year, creating about ten additional jobs.

### French Guiana



## Development of the agricultural plot in Camopi

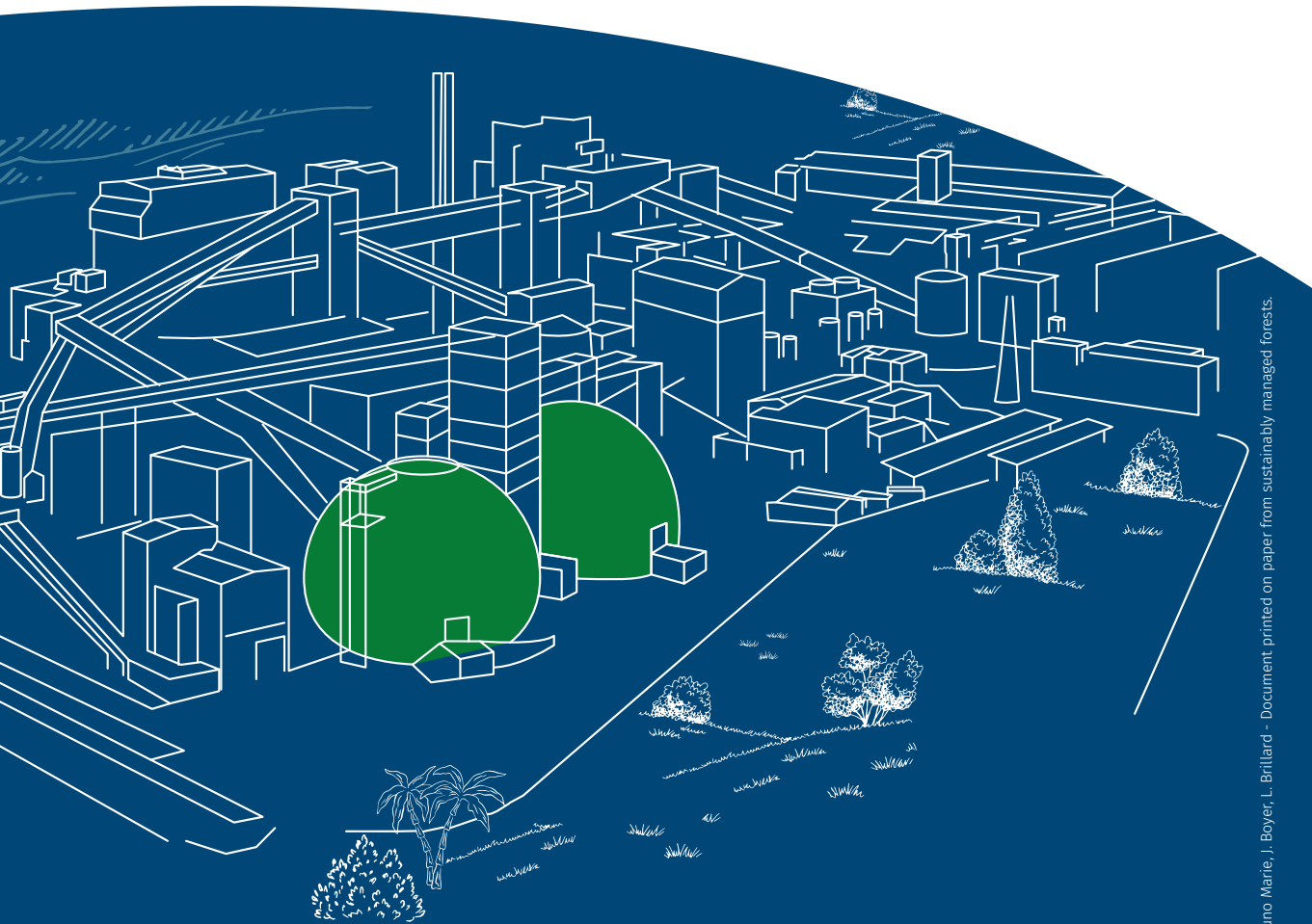
LIANE

In 2019, the Aproses Social Solidarity Economic Group and the Guiana Amazonian National Park (PAG) launched the LIANE integration worksite (Links and Integration for French Guiana), aimed at reducing exclusion and precariousness in isolated municipalities.



LIANE offers personalized support, jobs and training adapted in partnership with PAG and local associations, on three Amerindian sites: Camopi, Favard (Roura) and Antecume Pata (Maripasoula).

The Albioma Foundation enabled LIANE to acquire greenhouses and a solar dryer to develop its agricultural production activity in Camopi. LIANE aims to strengthen residents' self-sufficiency and promote local know-how to address the social and economic challenges of isolated communities.



**ALBIOMA**

[www.albioma.com](http://www.albioma.com)

