

Invest in

# RE.GENERATION

A M A R E N C O M A G

NUMBER 1

**Special**

**Overseas**

**// Renewable energy  
and ecosystem  
restoration must go  
hand in hand.**

**Laurent Pflumio**

Overseas Director  
at Amarenc





# ON THE ROAD TO REGENERATIVE ENERGY TRANSITION WITH AMARENCO, AN ENLIGHTENER FOR TERRITORIES

Guadeloupe - Martinique - French Guiana - Reunion

**Special**  
**Overseas**



**Energy autonomy  
in Overseas Territories,  
a vital necessity**







**Towards energy  
autonomy in the French  
overseas territories**



**Amarenco, a pioneer  
in regenerative  
solar energy**



A vibrant green hummingbird is shown in mid-flight, hovering near a bright red flower. The background is a lush, out-of-focus green forest, creating a sense of a tropical environment. The lighting is bright, with some bokeh effects from sunlight filtering through the leaves.

# Energy autonomy in Overseas Territories, a vital necessity

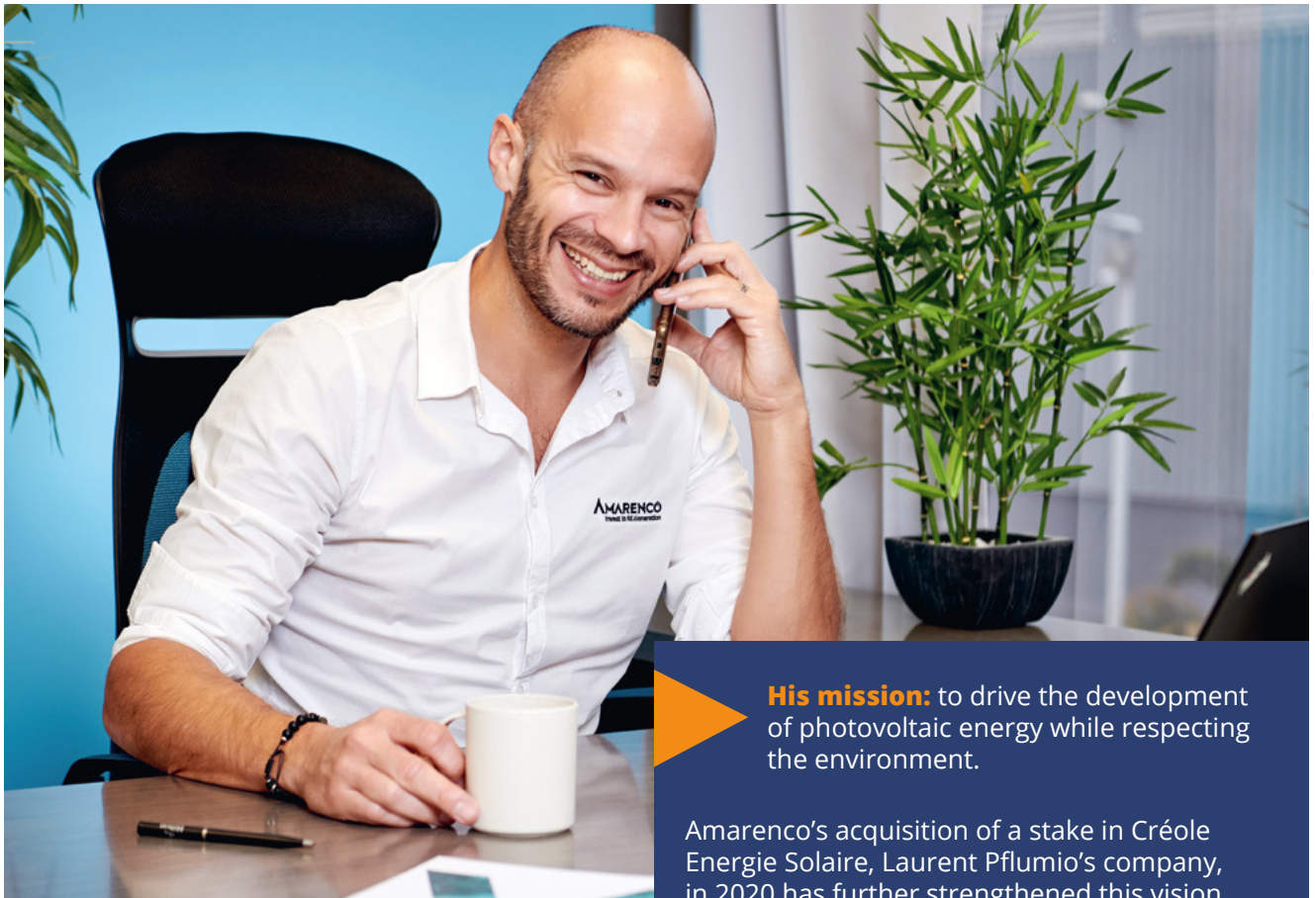
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**In our regions, which are isolated from mainland France and for the most part insular, we can all feel the tangible effects of the planet's limits, particularly changes in land use, global warming and the erosion of biodiversity. In these geographically constrained and dependent territories, it is crucial to consider each project in terms of its impact on our environment and to ensure that it is as neutral as possible, if not positive. Our infrastructures must therefore be accompanied by a regenerative approach, so that we can give the earth more than we take from it. We can, and we have the means to become a model for the rest of the world and prove that development that respects the planet is possible.”**

**Laurent Pflumio**

Head of Business Development Caribbean  
Region at Amarenco





**Laurent Pflumio**

**In the heart of France's overseas territories**, where the sun generously dispenses its energy, a green revolution is taking place, driven by visionaries such as Laurent Pflumio Head of Business Development Caribbean Region at Amarenco. With over 18 years' experience in photovoltaics, this pioneer has worked his way up every link in the sector's operational chain, driven by his passion for creating clean, renewable energy.

**Since arriving in Guadeloupe in 2006**, his professional career has taken him to Martinique, French Guiana and Reunion Island. In these Non-Interconnected Zones (ZNI), he has been cultivating expertise tailored to the specific energy needs of these unique territories. Laurent Pflumio is also an active member of SER, the renewable energy producers' association in Guadeloupe. As its full representative, he is involved in pushing for change on key issues, such as the revision of the Multiannual Energy Programmes for the French overseas territories, bringing his local knowledge to bear. He also draws on the input of each renewable energy producer to flesh out his thinking, so that solar energy can be better integrated into the energy mix.

**His mission:** to drive the development of photovoltaic energy while respecting the environment.

Amarenco's acquisition of a stake in Créole Energie Solaire, Laurent Pflumio's company, in 2020 has further strengthened this vision. More than just producing electricity, we are now making an essential contribution to the public interest. Each project becomes a commitment to the protection of our planet, taking into account the major principles of living beings, such as continuous creation, the limited growth of our resources, the diversity of ecosystems and the interdependence between each of the earth's elements. Around the notion of regeneration, there is a constant struggle against the massive and costly importation of fossil fuels, in favour of a transition towards sustainable autonomy, supported by the sun, an inexhaustible and generous resource.



*Inauguration of photovoltaic hangars in Petit-Canal, Guadeloupe, in the presence of Mayor Blaise Rudy Morna*



**At a time when the challenges of climate change call for bold solutions,** Amarenco's projects in the French overseas territories are a reminder that there is no point in sacrificing trees for solar panels. On the contrary, they aim to restore and enrich the soil, rehabilitate degraded land, promote biodiversity and establish a new green economy that benefits everyone, creating local jobs and making islands more energy independent.

**The task is huge, but the direction is clear:** investing in renewable energy not only makes good economic sense for these territories - solar energy is cheaper than thermal energy - but it is also a responsibility towards future generations. It's about shaping a future where every electron contributes to the regeneration of our planet. Overseas France, with its incredible solar potential and its many resources, is not on the fringes of progress, but in the front line. Its territories are a living laboratory for what could be a world powered by clean, fair and regenerative energies.



**Invest in RE.Generation** is not just a slogan; it's a movement that brings together all those who believe in a future where renewable energy and environmental regeneration progress hand in hand. For the overseas territories, this is no longer a time for contemplation, but for action. We must turn challenges into opportunities, isolation into strength, and each project into a step towards reconciling humanity with its one and only home, the Earth."

**Laurent Pflumio**  
Overseas Director



# Towards energy autonomy in the French overseas territories



**In 10 years' time, all the French overseas territories will have to be decarbonised.**

In the quest for a sustainable energy transition, the Non-Interconnected Zones (ZNI) are at a critical juncture. Historically anchored in a dependence on imported fossil fuels, which still account for 70% of their energy mix, they face unique challenges amplified by their isolation and insularity. These constraints only accentuate the environmental impact and vulnerability to energy price fluctuations. Photovoltaics, taking advantage of the abundant solar radiation in these regions, is a key solution for these territories, which are aiming for complete energy autonomy by 2030, as stipulated by the French law on energy transition.

**The need for a solid energy mix.**

Achieving this ambition will require a fundamental review of current energy production. The French Overseas Territories, which have already embarked on this transition, benefit from a wealth of natural resources and conditions that are conducive to the exploitation of various renewable energy sources, such as solar, biomass, geothermal and wind power. This diversification is crucial to ensuring a sustainable, endogenous and stable energy supply, while guaranteeing autonomy from the mainland.





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**At the forefront of the energy transition, Amarenco is positioning itself as a key player in achieving energy autonomy for the French overseas territories. Through its commitment to the development of renewable energies, the diversification of the energy mix and the promotion of sustainable and inclusive development, our group is paving the way for a future in which the overseas territories fully exploit their solar potential, thereby contributing to a global transition towards cleaner energy sources.”**

### **Adapting the regulatory framework.**

To date, only Reunion has revised its Pluriannual Energy Programme (PPE), a crucial stage in defining strategic energy guidelines. In 2023, the updating of the one-stop shop to 500 kW, in line with metropolitan France, marked a significant step forward and sent a positive signal to the sector. However, the lack of specific consideration for the Outermost Regions (ORs) at European level still limits access to resources. The support needed for the deployment of renewable energies must be more massive, in particular by restructuring the electricity distribution network, which is already virtually saturated with renewable energies.

### **Supporting the energy transition in overseas France.**

Amarenco is deploying ambitious initiatives to meet these challenges. Specialising in the development, financing, construction, operation and maintenance of photovoltaic installations, our group does more than just promote solar energy. It installs integrated systems, tailored to local conditions, which feed the renewable energy produced directly into the public grid. This approach also stimulates the local economy by creating direct and indirect jobs, thereby enriching the socio-economic structure of the region..





**Amarenco's agrivoltaic approach is emblematic of our vision. By creating systems that support both RE production and sustainable agriculture, we are demonstrating that it is possible to meet growing energy needs while preserving natural resources and supporting local communities."**

**Laurent Pflumio**  
Overseas Director

## Overseas business in figures

**+70 photovoltaic projects**

including **40 agricultural infrastructures** ;

**Winner of 7 calls for projects** launched with towns and cities in the French West Indies and French Guiana ;

A portfolio of projects in progress of **96 MWp**

### **Agrivoltaism: a win-win model.**

Agrivoltaism represents a major step forward in Amarenco's strategy to collocate agricultural production (animal and vegetable) with renewable energy generation in french overseas. Our innovative approach combines the 2 on the same plot of land. It offers a symbiotic solution that maximises the use of natural resources while protecting the environment and adapting agricultural production methods to climate change. We finance the necessary infrastructure (greenhouses, sheds, shades, etc.) on which we install our photovoltaic panels. In this way, we enable farmers to acquire equipment at a lower

cost, while at the same time benefiting from the land needed to develop our electricity production. The structures we install are designed not to hinder, but rather to support farming activities. They offer protection against extreme weather conditions, such as hail or excessive sun exposure, and can also contribute to water management, a crucial aspect for agriculture in many overseas regions.



### **Amarenco in action in the French Overseas Territories**

Amarenco is developing several agrivoltaic projects in the French Overseas Territories, transforming unused or underused land into sources of renewable energy while supporting agricultural production. These initiatives range from photovoltaic greenhouses that house market garden crops to installations that provide shade for livestock or poultry, reducing heat stress for animals and increasing their welfare.

In some projects, Amarenco installs solar panels over fish ponds to minimise water evaporation while producing electricity. Other initiatives see this installation deployed above vanilla crops on Reunion Island, protecting the delicate plants.

**Amarenco is also very active  
in developing local partnerships  
for meaningful initiatives.**







*LIGNIÈRES project - Guadeloupe - **2 x 100kW***



*DAMBAS project - Guadeloupe - **2 x 100kW***



*LE REFLET project - Guadeloupe - **100kW***



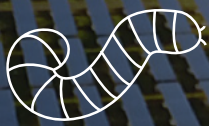
*PETIT-CANAL project - Guadeloupe - **200kW***

## **Projects being developed or finalised for 2024**

- Completion of the construction of a batch of 7 PV sheds in French Guiana
- Completion of the call for tenders (CFT) for the town of Vieux Habitants in Guadeloupe
- Completion of the CFT for the town of Grand-Bourg à Marie Galante in Guadeloupe
- Completion of the CFT for the town of Le Lorrain in Martinique
- Completion of the CFT for the town of Rivière Pilote in Martinique
- Start of the AgriPV project in Martinique  
Beauvallon project - Power 1.5MWp - Vanilla growing sheds



# Amarenco, a pioneer in regenerative solar energy



**Our ECHO programme reflects a long-term commitment to a future where renewable energy powers a healthier, fairer and more sustainable world. By putting regeneration at the heart of our mission, we are not just changing the way the world produces energy; we are redefining the role of solar in society, making it a vehicle for environmental and socio-economic regeneration."**

**Alain Desvigne**

Chief Executive Officer of Amarenco





## ECHO PROGRAM

### **Rethinking energy production to deliver a sustainable and exciting future.**

Amarencio, an innovative and independent player in the production and storage of solar energy, embodies a revolutionary vision of renewable energy, which goes beyond electricity production to embrace a global regenerative approach. Driven by a mission that is at once environmental, socio-economic and cultural, our group is committed to transforming the global energy landscape. Our signature «Invest in RE.Generation» symbolises this vision, proposing a sustainable business model that combines technological progress and environmental protection.

### **Strategic expansion and measurable impact.**

With a clear ambition to become a world leader in solar energy, we have planned a significant expansion, aiming for 25 GW of capacity by 2050. This growth is anchored in a reality of projects already up and running, producing hundreds of megawatts of clean energy. The impact of these initiatives goes beyond numbers: each GW installed by Amarencio represents a substantial reduction in CO<sub>2</sub> emissions, making a significant contribution to the fight against climate change.



**The ECHO programme for the regeneration of ecosystems** bears witness to this deep commitment. It represents a proactive approach in which each solar energy project is designed and implemented with particular attention to its ecological impact.

- **Restoring natural habitats:**

Amarenco invests in ecological restoration projects to offset the footprint of its solar installations. This includes creating wetlands, planting native trees and creating biological corridors to encourage biodiversity.

- **Biodiversity protection:**

the programme makes a point of protecting local species, putting in place specific measures for those that are threatened, and integrating biodiversity into site planning.

- **Education and community involvement:**

ECHO goes beyond physical interventions by promoting educational programmes designed to raise awareness among local communities of the importance of biodiversity and to involve them in conservation efforts.

**Towards a regenerative future.**

The road to global regeneration is littered with regulatory, technical and social challenges. We meet them every day through a collaborative approach, working hand-in-hand with local communities, policy-makers and industrial partners to develop energy solutions tailored to each context. Our Group strives to optimise every aspect of its projects, from design to operation, taking care to minimise environmental impact and maximise benefits for local communities.

## Contributions to the Sustainable Development Goals (SDGs)

Amarenco does not just align its operations with the SDGs; the company actively integrates them into every facet of its business model. 3 of them in particular stand out in the projects and commitments made by the Group in all the territories in which it operates:



**SDG 7** (clean and affordable energy) : our Group contributes directly to this objective by deploying hundreds of megawatts of solar energy around the world. These installations provide renewable energy, reducing dependence on fossil fuels and making energy more accessible and less expensive for local communities.



**SDG 13** (action on climate change) : Amarenco's commitment to reducing CO2 emissions goes beyond the production of clean energy. Our Group is committed to raising awareness about climate change and developing adaptation and resilience strategies for vulnerable territories, particularly in overseas regions.



**SDG 15** (life on earth) : through the ECHO programme, Amarenco is actively involved in protecting, restoring and promoting the sustainable use of terrestrial ecosystems, combating desertification, halting land degradation and implementing reforestation projects.



# Amarenco key figures

A presence in  
**14**  
countries

of capacity under construction  
**314\***  
MW

**443\***  
MW  
of installed capacity

**232**  
employees in 2024

**227**  
Gwh  
produced in 2023

**100%**  
solar energy produced

**63 449 tCO<sub>2</sub>eq** avoided  
since the creation of Amarenco

Amarenco France and  
all its subsidiaries  
**ISO 9001** et **14001** certified

Sites and reporting in compliance  
with **RE100**, **CPD** and **GHG**  
**Protocol** requirements

**25** ECHO projects deployed  
to date or in the process  
of being deployed

**Objectives:** to install a cumulative electrical  
capacity of 1 GW by 2025, 4 GW by 2030  
and 25 GW by 2050.



# The Amarenco Overseas team



**LAURENT PFLUMIO,**  
Overseas Director



**ANAÏS THOMIS,**  
Business Development  
Support, BDP ZNI  
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Créole Energie



**PIERRE-LOUIS HAFFREINGUE,**  
Construction PM ZNI  
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**NATHALIE ETIENNE,**  
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**HUGO DEVINE,**  
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