

Fonroche Lighting completes the world's largest solar lighting project

Senegal is becoming one of the best-lit countries in the world thanks to solar energy, a 100% sustainable solution.

Thirty months after the launch of phase 2 of Senegal's national solar lighting program, Fonroche Lighting announces the completion of an exceptional project: 67,000 solar street lights installed across 528 municipalities. Together with the 50,000 units already deployed during the first phase in 2018, and additional projects carried out in the country, a total of 120,000 autonomous solar streetlights now illuminate Senegal, making it one of the best-lit countries in the world thanks to solar energy.

"This project is a global showcase of what solar street lighting can deliver: rapid deployment, cutting-edge technology, and economic and environmental benefits. With Senegal, we are proving that it is possible to equip an entire country within months, while also giving it the tools to manage its lighting network with high levels of performance and connectivity," says Laurent Lubrano, CEO of Fonroche Lighting.

A record-breaking project for speed of execution



Launched in October 2022, the project required unprecedented human and technical resources. Thanks to the commitment of local teams and the simplicity of installing the products, Fonroche Lighting was able to deploy up to **1,200 street lights per week**, all while meeting strict safety standards.

On average, each municipality was fully equipped in less than two weeks, a pace never before achieved for a project of this scale, made possible by the adaptability of Fonroche street lights.

This major project, initiated by the National Agency for Renewable Energies (ANER) to modernize Senegal, represents a **total investment of €220 million**, financed through a loan by the Senegalese State from Bpifrance, the French Treasury Department, and Société Générale.

Cutting-edge technology made in France

The street lights deployed are next-generation units, designed and manufactured in Agen, in southwest France. Equipped with high-performance batteries, optimized solar panels, and an intelligent energy management system, they guarantee **full autonomy** while delivering consistent lighting power, **365 nights a year**.

Thanks to their reliability and ease of installation, requiring no cabling or connection, these units can be set up in just a few hours, while providing communities with an unprecedented level of energy performance.

A connected network managed remotely

Beyond lighting, Senegal's project stands out for being **100% connected**. Each of the 120,000 Fonroche solar streetlights installed in the country is equipped with a communication module that transmits real-time data on status and performance.

Every day, **over 11 million data points are collected**, centralized in a supervision center based in Dakar. This continuous data stream gives local teams an unprecedented management tool :

- 🌐 ability to remotely adjust lighting profiles to meet specific needs (safety, events, energy savings),
- 🌐 **real-time diagnostics** to detect and anticipate malfunctions,
- 🌐 **simplified preventive maintenance**, drastically reducing intervention costs,
- 🌐 **global performance** analysis for long-term optimization.



With this system, Senegal now boasts one of the **most advanced public lighting infrastructures in the world**.

Major economic and environmental benefits

Present in Senegal since 2016, Fonroche Lighting has already delivered several landmark projects, including lighting for the AIBD interchange in Dakar. Today, with nearly 120,000 autonomous solar streetlights installed nationwide, Senegal has become a **global model for sustainable lighting**.

- 🌐 **51,367 tons of CO₂ avoided every year**, over 513,000 tons in ten years,
- 🌐 **€210 million** saved on electricity costs.
- 🌐 **12 million Senegalese people**, three-quarters of the population, now benefit from modern, reliable, and sustainable lighting.

Key figures – Senegal Project

- 🌐 528 municipalities equipped
- 🌐 €220 million investment
- 🌐 51,367 tons of CO₂ avoided each year — the equivalent, over 10 years, of 4,700 round-trip flights between Paris and New York.
- 🌐 Nearly 120,000 autonomous solar streetlights brighten Senegalese nights (including both governmental and non-governmental projects)

About Fonroche Lighting

In just a few years, **Fonroche Lighting has become the world leader in solar street lighting**. Based in southwest France, the company designs, develops, manufactures, and installs autonomous solar lighting solutions for all types of infrastructure, from small projects, bus shelters, roads, parking lots, greenways, housing estates, to large-scale works such as highways, roundabouts, entire cities, and even countries. With over 300 employees, Fonroche Lighting exports its innovative technology worldwide, with subsidiaries in Africa, Latin America, Europe, and the United States. The company is experiencing strong growth and expects to reach **€100 million in revenue by the end of 2025** (€98 million in 2024). Through its **Nowatt** brand, Fonroche also offers a range of stylish, durable solar bollards and lighting solutions for pedestrian areas, parks, and landscaped spaces.

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