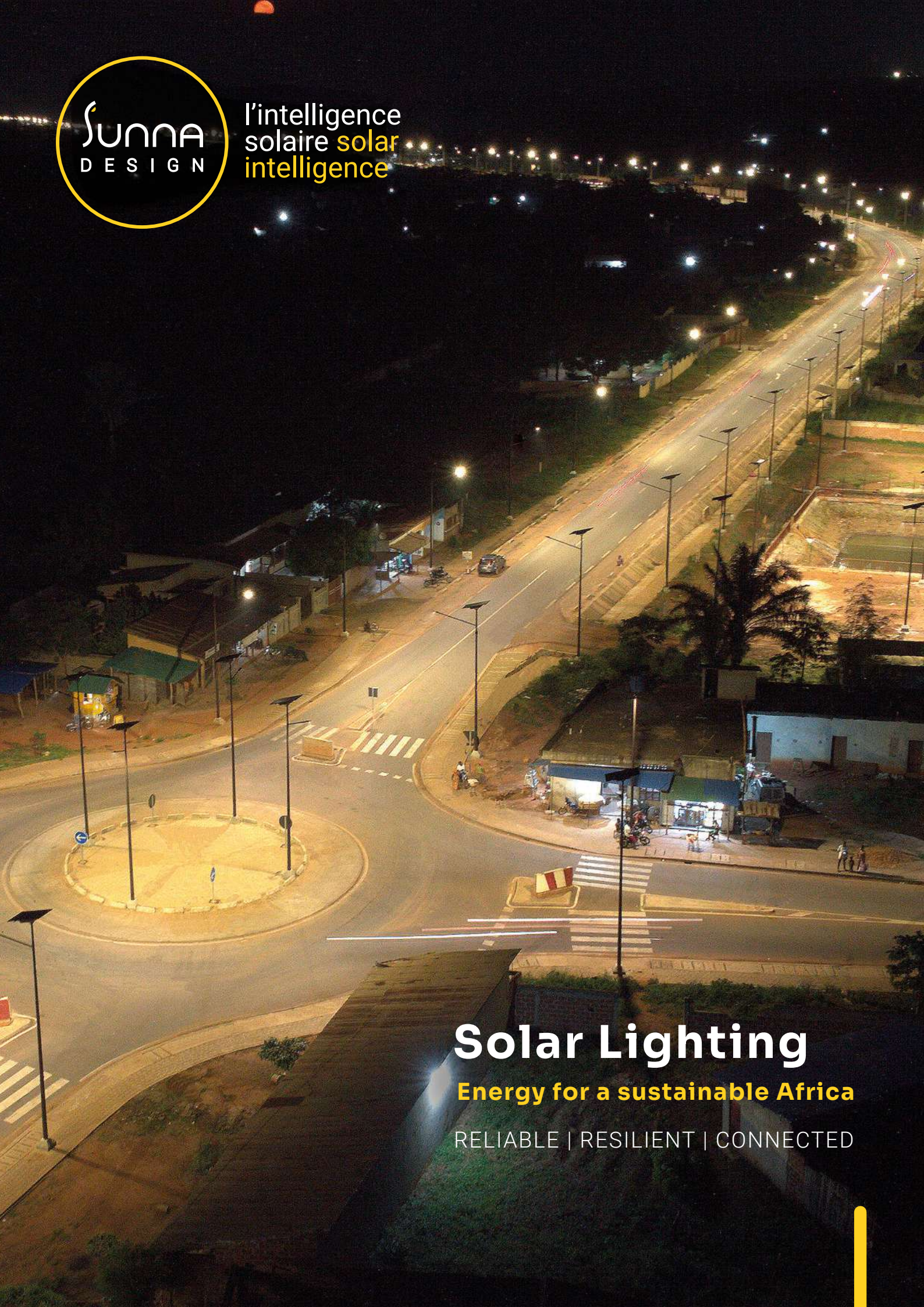




l'intelligence
solaire **solar**
intelligence



Solar Lighting

Energy for a sustainable Africa

RELIABLE | RESILIENT | CONNECTED



PIONEER IN SOLAR LIGHTING SINCE 2011

Sunna Design, a French company specializing in solar lighting, has established itself as a global leader thanks to its commitment to innovation and sustainability. By combining technology and social impact, we have deployed more than 160,000 solar streetlights worldwide, transforming energy access and strengthening local infrastructure.



+160 000
Installed Solutions



+16 million
People Impacted



30M€
Turnover in 2023



60
Countries



+160
Partners



60
Employees

+160 000 SOLAR STREETLIGHTS WORLDWIDE

INCLUDING +90,000 PRODUCTS INSTALLED IN AFRICA



Togo
50 000 Installations



Burkina Faso
1 200 Installations



Algeria
1 000 Installations



DRC
8 500 Installations



Chad
1 000 Installations



Morocco
800 Installations



Gabon
3 000 Installations



Benin
1 000 Installations



Mali
800 Installations

5 REASONS TO CHOOSE SOLAR LIGHTING

Solar lighting offers an innovative and sustainable solution to today's energy challenges. Independent from the grid, this technology provides reliable lighting, even in remote areas. By strengthening infrastructure, improving safety, and boosting local commerce, solar lighting is the ideal solution for governments, investors, and companies committed to energy transition.

01. INFRASTRUCTURE IMPROVEMENT

Solar lighting strengthens local infrastructure by providing a robust and autonomous solution that enhances safety, living conditions, and community activities.



20 years
Average lifespan

02. ENERGY INDEPENDENCE

Achieve total independence from centralized electrical grids. Our 100% autonomous solar solutions allow communities, even in the most remote areas, to benefit from reliable and sustainable energy, essential for your region's energy sovereignty.



100%
Autonomy

03. ACCESS TO EDUCATION

Our lighting solutions extend learning hours, particularly in rural areas without electricity. Children can now safely study after sunset, gaining several extra hours of learning each day.



+3h / day
Study time

04. BOOSTING LOCAL COMMERCE

Solar lighting extends the operating hours of businesses, directly stimulating the local economy. More active markets and safer commercial zones promote sustainable economic growth.



X 2
Operating hours of
businesses

05. COMMUNITY SAFETY & WELL-BEING

Solar lighting secures public spaces, reducing accidents and vandalism, thus contributing to a safer and more prosperous environment.



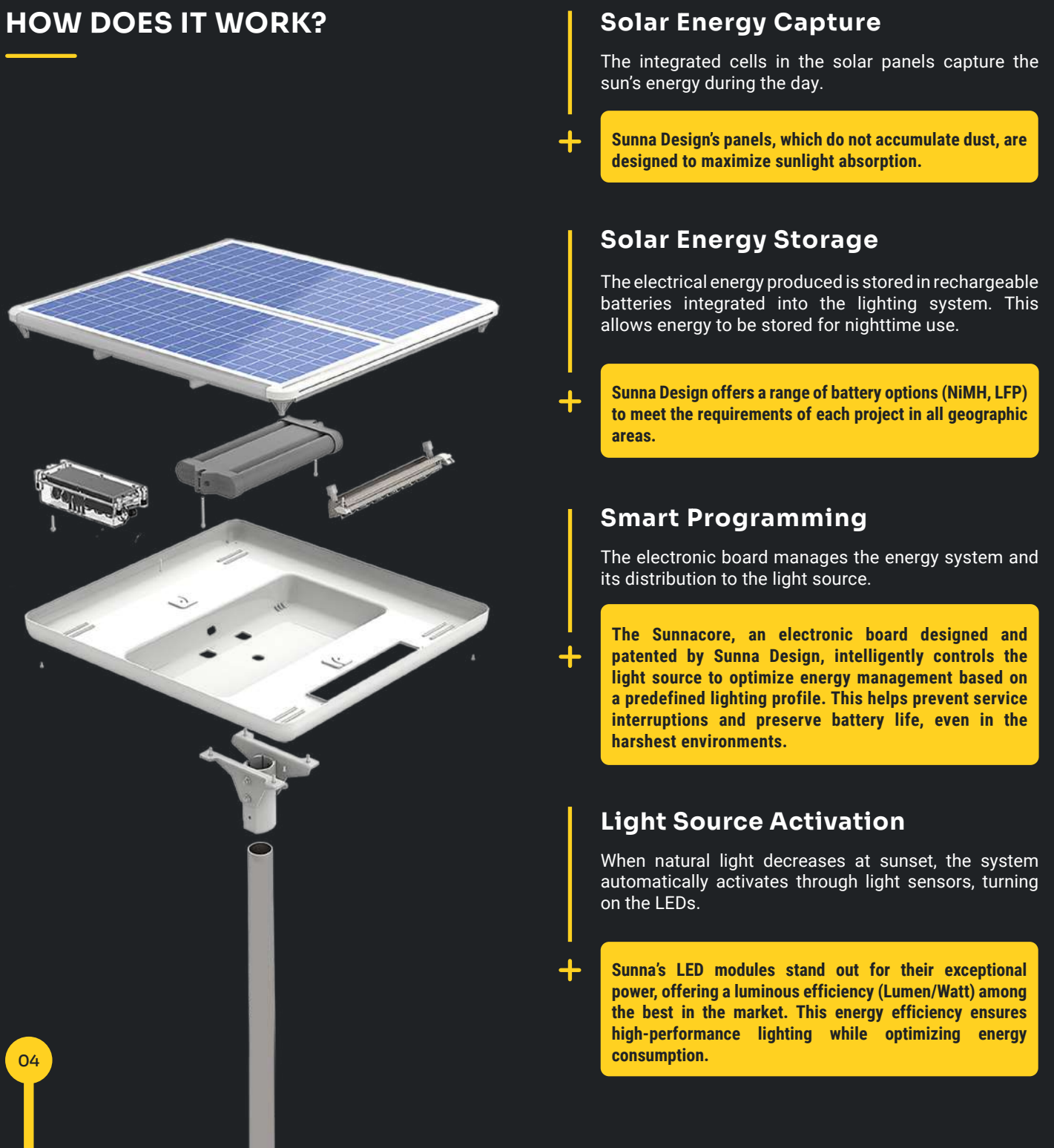
-25%
Incidents in
illuminated areas

HOW IT WORKS

NOT ALL SOLAR STREETLIGHTS ARE CREATED EQUAL

With high-efficiency components, solar lighting captures, stores, and distributes energy throughout the day and night. This fully autonomous system is programmed to operate in the most demanding environments, providing a reliable and durable solution for public and private infrastructures.

HOW DOES IT WORK?



Solar Energy Capture

The integrated cells in the solar panels capture the sun's energy during the day.

+ Sunna Design's panels, which do not accumulate dust, are designed to maximize sunlight absorption.

Solar Energy Storage

The electrical energy produced is stored in rechargeable batteries integrated into the lighting system. This allows energy to be stored for nighttime use.

+ Sunna Design offers a range of battery options (NiMH, LFP) to meet the requirements of each project in all geographic areas.

Smart Programming

The electronic board manages the energy system and its distribution to the light source.

+ The Sunnacore, an electronic board designed and patented by Sunna Design, intelligently controls the light source to optimize energy management based on a predefined lighting profile. This helps prevent service interruptions and preserve battery life, even in the harshest environments.

Light Source Activation

When natural light decreases at sunset, the system automatically activates through light sensors, turning on the LEDs.

+ Sunna's LED modules stand out for their exceptional power, offering a luminous efficiency (Lumen/Watt) among the best in the market. This energy efficiency ensures high-performance lighting while optimizing energy consumption.

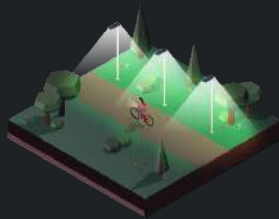
A WIDE RANGE OF SOLUTIONS FOR ALL YOUR PROJECTS

Our modular technology meets the diverse needs of African infrastructure. Whether for rural areas or large urban arteries, Sunna Design provides robust and autonomous solutions, adapted to every context, with quick installation and minimal maintenance.

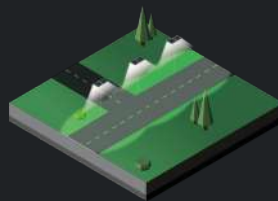
RURAL



Rural



Path

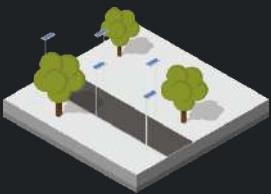


Single-lane highway



iSSL+

PERI-URBAN



Road <50 km/h



Residential

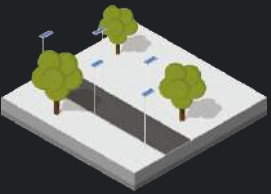


Parking lot

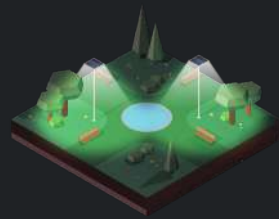


iSSL Maxi

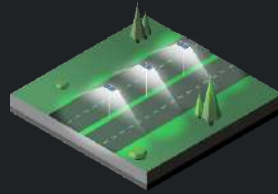
URBAN



Road >50km/h



Parks and recreation



Dual-lane highway



EverGen

WHY SUNNA DESIGN

THE CHOICE OF EXCELLENCE

With over 160,000 solar streetlights installed worldwide, Sunna Design is a recognized leader in solar public lighting. By working closely with local communities, we directly contribute to the economic and social development of regions with durable lighting solutions tailored to the specific needs of each area.



SOCIAL AND SECURITY IMPACT

Our solar lighting solutions do more than just provide light: they actively contribute to the safety of communities by reducing crime and accidents. Improving public lighting creates safer public spaces, fostering local social and economic life after dark. At the same time, solar lighting enhances access to education in rural areas, enabling children to study after sunset, thus improving their academic performance.

EMPLOYABILITY AND TRAINING

At Sunna Design, we believe in empowering local communities through skills transfer. Through our projects, we promote the creation of sustainable jobs in partnership with local actors. We also offer specialized training to develop skills in solar energy and infrastructure maintenance. This approach not only ensures high-quality service but also strengthens local capacities.



MODULARITY AND FLEXIBILITY

Our solutions stand out for their modularity and flexibility, perfectly adapting to the specific needs of each project. Whether for remote villages or large infrastructures, our systems can be configured to meet local requirements, ensuring quick and easy installation. This approach not only covers vast areas but also evolves over time according to needs, optimizing costs and resources.

At Sunna Design, every project is unique. That's why we offer personalized support from design to commissioning, including financing and maintenance. Our team guides you at every step to ensure efficient, durable lighting tailored to your specific needs.



01. STUDIES & EXECUTION

A deep understanding of your needs, site study, and accurate project estimation, taking into account local specificities (photometric study, solar study, and battery sizing).



02. FINANCING

We help find flexible and suitable financing for each project. To do so, we work with financial institutions (private and/or public) and local authorities.



03. PRODUCTION

Our production capacity is distinguished by innovative modularity and a significant reduction in energy consumption. Thanks to this efficiency, part of the production process can be transferred abroad.



04. LOGISTICS & INSTALLATION

On-site intervention at your request by our trained teams, with support for fast, secure, and compliant installation.



05. MAINTENANCE & SUPPORT

Preventive and corrective maintenance service and monitoring platform for autonomous management of your lighting.

ADVANCED CONNECTIVITY

SUPERVISION SYSTEM INTELLIGENCE FOR YOUR LIGHTING SYSTEM

Our advanced supervision systems allow you to remotely control your lighting infrastructure, ensuring precise performance monitoring and parameter adjustment according to needs. With these technologies, you can ensure maximum durability and profitability of your investments.

SUNNAPP

POINT-TO-POINT SUPERVISION FOR CONTROL AT YOUR FINGERTIPS

Monitor your products in real time from your smartphone: optimize the control of your solar streetlights with our Bluetooth SunnAPP. Collect all product data and manage your lighting in a flash!



INSTALLATION AND COMMISSIONING SUPPORT



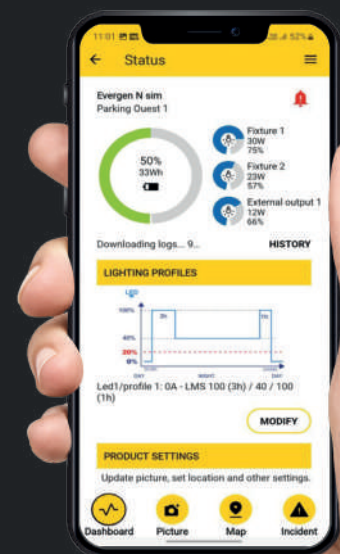
PARK REGISTRATION AND MANAGEMENT



PERFORMANCE MONITORING AND HISTORY



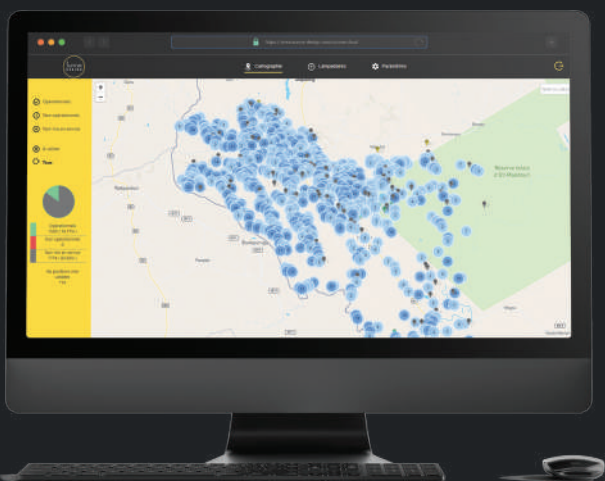
LIGHTING PROFILE MANAGEMENT



SUNNA CLOUD

THE PLATFORM TO MANAGE YOUR PARK ANYWHERE

With this web platform, you can easily and from anywhere access the operational data of your park, for an overview of all your installed solar streetlights.



PRODUCT GEOLOCATION



REAL-TIME OVERVIEW



REMOTE DIAGNOSTICS



PREVENTIVE MAINTENANCE

A LASTING IMPACT FOR COMMUNITIES

At Sunna Design, we turn challenges into sustainable opportunities, aligned with the United Nations Sustainable Development Goals. Our solar streetlights, designed to be durable and highly recyclable, reduce the ecological footprint while supporting a circular economy.

ECO-DESIGN

All components of our products are carefully selected for their durability and recyclability.



RECYCLABILITY



LIFESPAN



METAL PARTS



100%



∞



SOLAR PANEL



96%



> 25 years



LIGHT SOURCE



95%



> 100 000h



BATTERY



NiMH : 85%
LifePO4 : 65%



> 20 years



POST



100%



25 to 40 years

SUSTAINABLE

Sunna Design is actively committed to achieving several United Nations Sustainable Development Goals (SDGs).



7. AFFORDABLE AND CLEAN ENERGY

Provide access to lighting in the most remote regions and offer an alternative to traditional lighting powered by fossil fuels.



10. REDUCED INEQUALITIES

Facilitate access to energy for isolated regions, promoting their economic and social development.



9. INDUSTRY, INNOVATION, AND INFRASTRUCTURE

With our 4.0 factory, we contribute to the creation of resilient and sustainable infrastructures, based on a rigorous quality and environmental approach.



11. SUSTAINABLE CITIES AND COMMUNITIES

Play a key role in creating sustainable and smart cities by providing autonomous, reliable, and connected public lighting.



ACHIEVEMENTS



Savanes Region / TOGO



Abidjan / IVORY COAST

Salta Sibaya / SOUTH AFRICA



Lubumbashi / DRC



Ben Guerir / MOROCCO

ACHIEVEMENTS



Savanes Region / TOGO



Saly / SENEGAL



West Coast / GABON



Entebbe / UGANDA



Tunis / TUNISIA



Ouèdo / BENIN

SUNNA DESIGN, SOLAR INTELLIGENCE

17 rue du Commandant Charcot
33290 Blanquefort - FRANCE

contact@sunna-design.com

sunna-design.com/en

