



Brightening life



SMART & CONNECTED
SOLAR STREET LIGHTS

KEY FACTS

Founded in 2011

Based in Blanquefort, near Bordeaux , FRANCE

40 employees

More than 20 000 solutions installed around the world

11 international awards

14 innovative patents filed

10 M€ invested in R&D

1 Digital Factory with a capacity of 100.000 solutions per year

High quality solar street lights smart and reliable

Since 2011, Sunna Design has been committed to establishing its technological leadership in the ever-changing solar street lighting market. Our research efforts, technical expertise and the quality of our services have enabled us to occupy this leading position today. Sunna Design is the only company on the market to offer a range of robust solar lighting columns (resistant to the most extreme temperatures from -40°C to 70°C), durable (a lifespan of 12 years), fully autonomous.

This success has been achieved by more than 20,000 products installed worldwide, particularly on the African continent, where the exceptional resistance of our equipment to severe weather conditions has convinced our customers. We have also established numerous partnerships with influential local players and international companies such as Schneider Electric and Thorn Lighting.

Our difference? We innovate, offer new solutions and continue to focus on the reliability of our products. We know that our customers are demanding and that ability is a key factor in satisfying our ambitions: to bring light to those who need it without compromising on quality and to imagine the smart city of tomorrow, always more respectful of the environment and connected.

A MUCH AWARDED COMPANY:



PRODUCT RANGE

- A** Our iSSL range with his horizontal solar panels, has been designed for intertropical countries where orienting solar panel is not necessary.
- B** Our UP range has been created for temperate areas where the inclination and the orientation of solar panels allows the collection of the available solar energy to be optimised.
- C** Totem was designed specifically to resist to dusty environments. Acclaimed by municipalities all across the Arabian peninsula, Totem offers a slick and modern design that make it the perfect lighting solution in most urban areas.

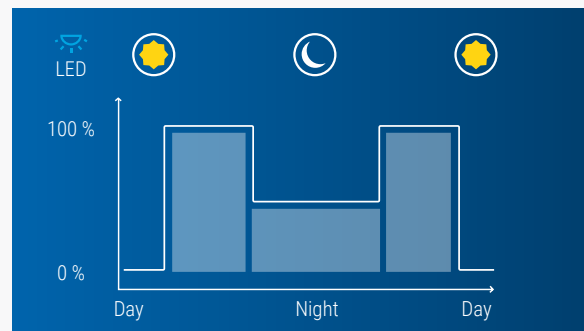


HOW DOES IT WORK ?

- 1** EMBEDDED SOLAR PANELS
Solar panels transform solar energy into electrical energy during the day. They are embedded in our solutions making them theft proof. An anti-dust and self cleaning coating protects them against dust accumulation.
- 2** AN INNOVATIVE NIMH BATTERY
The battery stores the electric energy produced during the day and powers the LED module at night.
- 3** A SMART ELECTRONIC BOARD: THE SUNNACORE
Our battery management system (BMS) has a patented algorithm to precisely manage energy collection and use to preserve the battery during its 12 year life time. Our BMS is also equipped with an incorporated Bluetooth function .
- 4** HIGH POWER LED MODULE
Sunna LED modules are powerful, with the best Lumen/Watt ratio on the market: 164 lm/W.

- 5** A SMART LIGHTING PROFILE
The Sunnacore controls the LED modules using a smart lighting profile to avoid blackouts during the night. Nights are divided into 3 phases during which lighting levels will adjust depending on the battery charge.

Thanks to dynamic and smart energy management, our solutions will work all year long and in any weather condition.





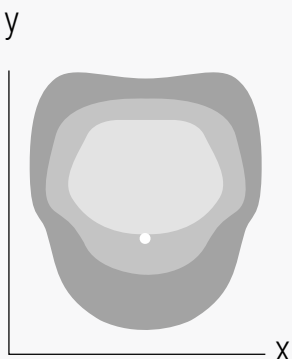
* Available with motion sensor
 ** These solutions will be defined according to project specifications

OUR LENSES

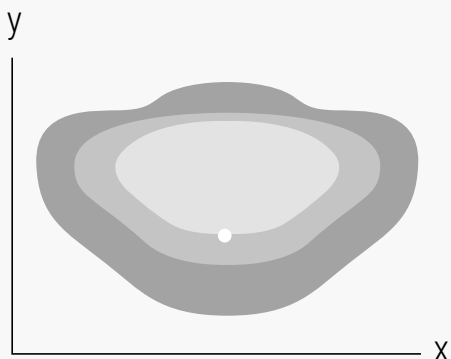
Each project is unique. Our solutions are equipped with 3 types of lenses that allow our lighting design engineers to adapt the light pattern to your type of project in order to optimize the number of solutions required.



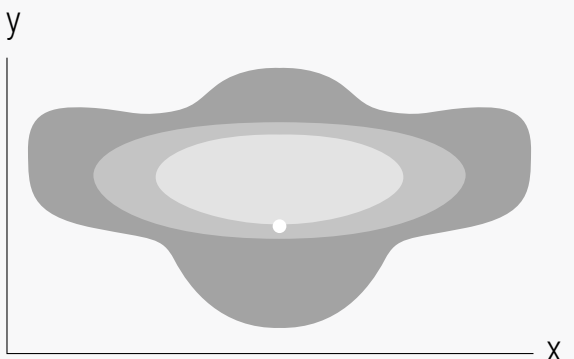
AREA & WIDE ROAD
/ IES TYPE IV



MEDIUM ROAD
/ IES TYPE III



NARROW ROAD
/ IES TYPE II

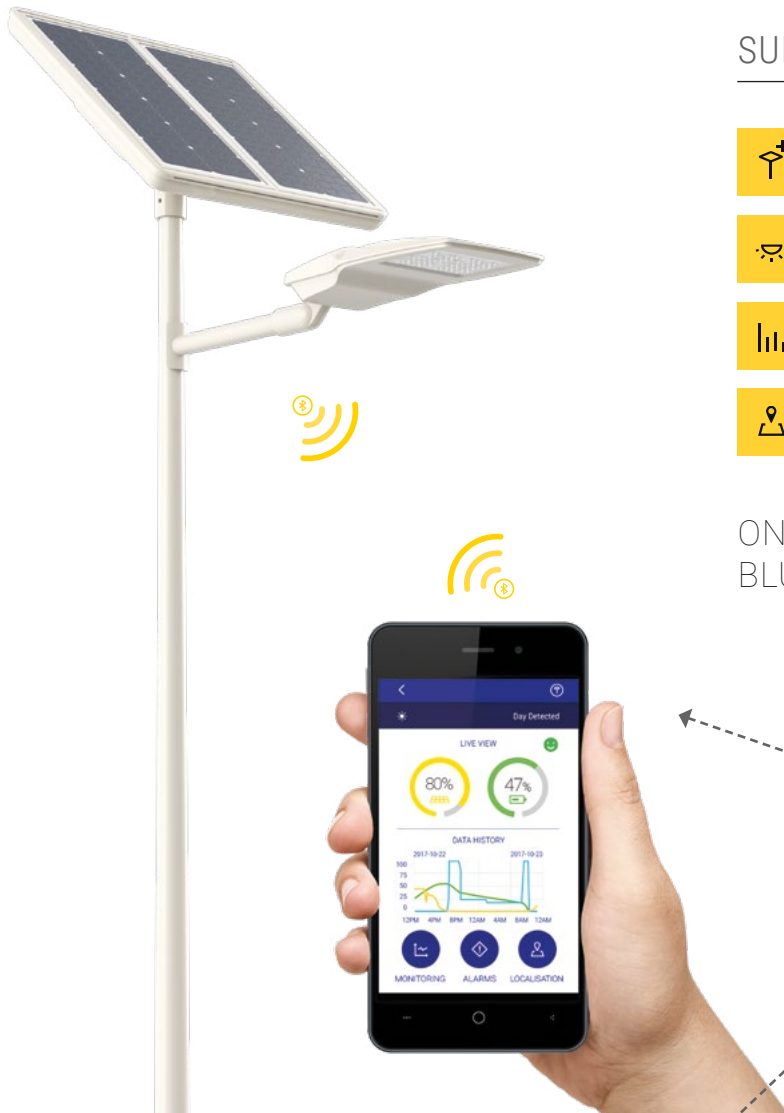


SMART AND FULLY CONNECTED STREET LIGHTS

SUNNAPP' : A SMART TOOL

-  INSTALLATION AND COMMISSIONING SUPPORT
-  LIGHTING PROFILES MANAGEMENT
-  DATA LOG AND MONITORING
-  REGISTRATION AND MAPPING OF INSTALLED DEVICES

ON-SITE CONNECTIVITY WITH BLUETOOTH



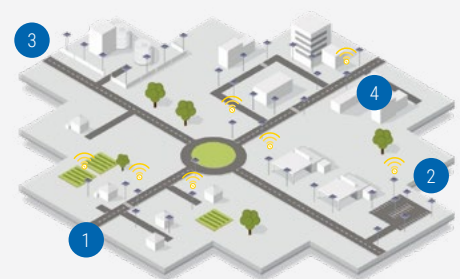
SYNCHRONIZATION VIA SUNNAPP'

SUNNACLOUD : REMOTE MANAGEMENT

This web management platform provides an overview on solutions localization and data collected via the SunnAPP.



APPLICATIONS



- 1** SOLAR Street lightS ISOLATED AREA
- 2** WIFI HOTSPOT COMMERCIAL AREAS
- 3** CCTV CAMERAS INDUSTRIAL AREAS
- 4** ADVERTISING PANELS CITY

MORE THAN A SOLAR STREET LIGHT: A SOURCE OF INCOME

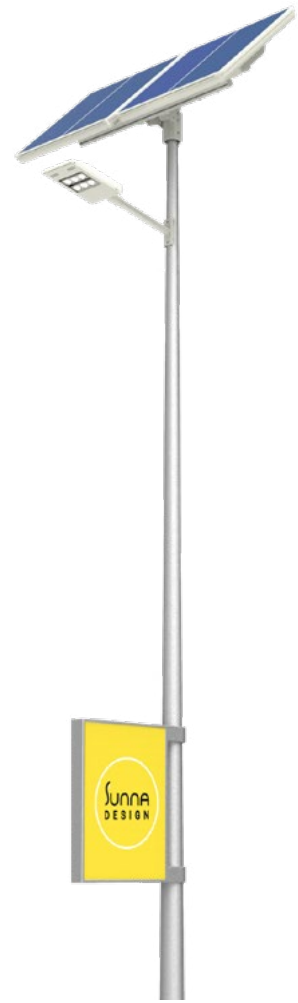
Our solar street lights can power many smart city applications: advertisements with back lighting, wifi hotspot, CCTV camera... Sunna Design offers the first public lighting solution which allows you not only to save money on electricity but can generate profits too.



WIFI HOTSPOT



CCTV CAMERA



ADVERTISING

These solutions are made on demand. Specifications will depend on the need. Please contact our team to have more information.



BLACKOUT
PREVENTION FEATURE



REMOTE MONITORING
& COMMUNICATION



PLUG
& PLAY



UNIQUE RESISTANCE TO
EXTREME CLIMATES



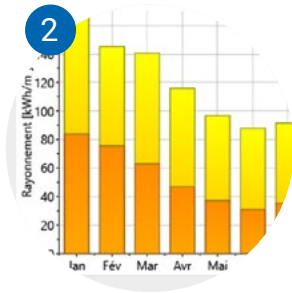
EXPERTISE

Sunna Design has an inhouse lighting design and technical team that will assist you to choose the right solutions for your project. To ensure full customer satisfaction, our approach is:



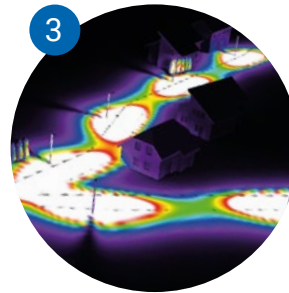
1 LISTEN TO YOUR NEEDS

- Lead assessment
- Tender requirements



2 SOLAR RADIATION ANALYSIS

- Calculation of solar energy production potential depending on location and environment
- Calculation of blackout probability and lighting service efficiency



3 LIGHTING DESIGN

- Compliance with road safety requirements and standards
- Lighting level and uniformity
- Selection of the lighting profile



4 RECOMMANDATIONS AND OFFERS

- Project layout
- Budget optimisation
- Remote or on site project follow up



GOT A ROAD YOU WANT TO LIGHT UP?
IF YOU HAVE A PROJECT, CONTACT US
 OUR TEAM IS HERE TO HELP YOU!

RELIABILITY AND QUALITY

At Sunna Design, we offer the most efficient and durable solar street lighting technology. We know that lighting is a matter of security, that's why reliability and quality are key factors in our designs.

In 2016, Sunna Design upgraded the production factory at our headquarters. Adding cutting edge technology to this innovative Factory 4.0 production line simplified product assembly and increased production capacity as well as quality control.

We have been able to set up portions of the assembly process in other areas due to the modular construction, connectivity and low energy consumption of these new assembly lines. Being a leader in our industry means daily improvement of our product quality and accountability.

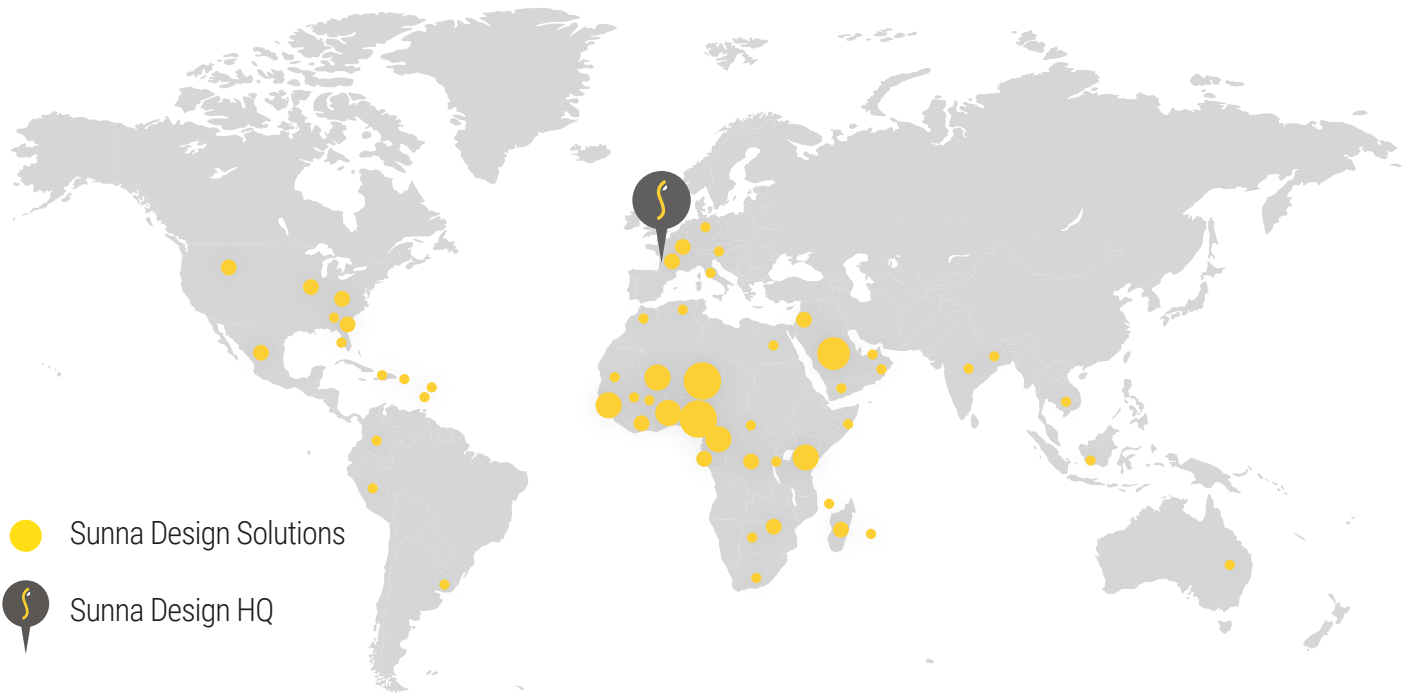


Watch our video to find out more about our factory



Technological innovation has always been an integral part of Sunna Design's DNA. As an R & D Company we keep on innovating throughout our value chain.

20,000+ SOLUTIONS AROUND THE WORLD



DISCOVER SOLAR LIGHTING AS A SERVICE (SLAAS)

Solar Lighting as a Service (SLaaS) is a subscription-based pricing model that allows you to avoid all upfront infrastructure costs from design, to trenching and wiring by paying for your lighting on a monthly basis.

This all-inclusive program provides years of guaranteed worry-free lighting. We look after any necessary upgrades and all of the maintenance and repairs for the complete duration of the contract.



- NO UPFRONT OVERHEAD OR UNDERGROUND INFRASTRUCTURE COSTS
- RAPID DESIGN, MANUFACTURING AND DEPLOYMENT
- COMPLETE FLEXIBILITY IN LIGHTING LAYOUT
- LIGHTING PERFORMANCE IS GUARANTEED
- UPGRADES, MAINTENANCE AND REPAIRS ARE ALL INCLUDED IN THE PROGRAM
- IMPROVES YOUR GREEN BUILDING CREDENTIALS (LEED)
- PROGRAM IS CDD AND HOA READY.

PROJECTS



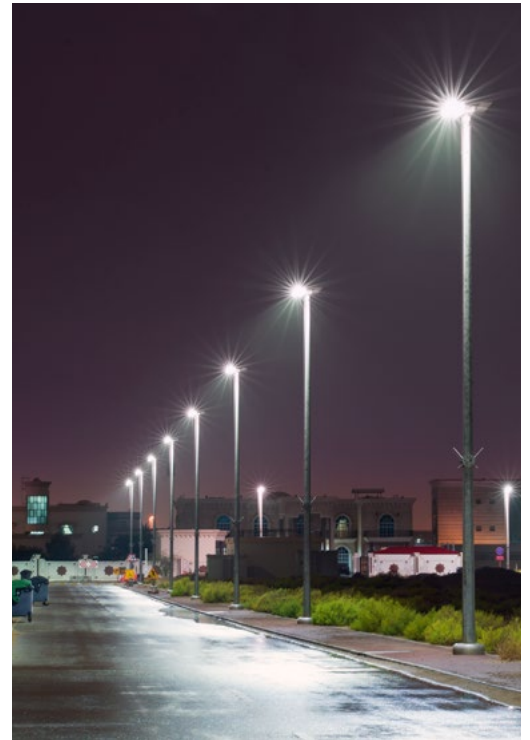
USA / Secondary Road



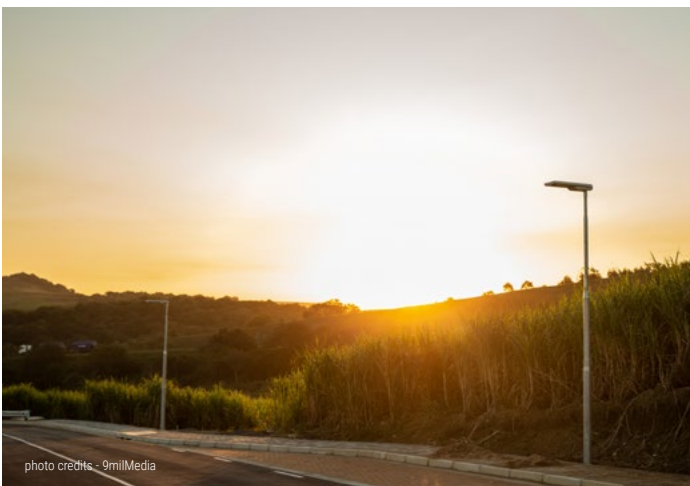
COLOMBIA / Roundabout



FRANCE / Rural area



ABU DHABI / Secondary road



SOUTH AFRICA / Residential area



FRANCE / Parking lot, commercial area



MEXICO / Tourist area



DUBAI / Kid playground



USA / Tennis Court



DRC / Billboard



USA / Residential area



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