



Sunna
design

SUNNA-DESIGN PRESENTATION

Presentation : Design and manufacture solar street lights
Pilot projects in 20 countries, 1 factory in France with 25 + employees

Fundraisings

- 6,6 million euro venture capital
- 4 million euro subsidies and debt

Awards





and many more ...

REFERENCES / NIGERIA, MOROCCO, SOUTH AFRICA, OMAN AND MANY MORE



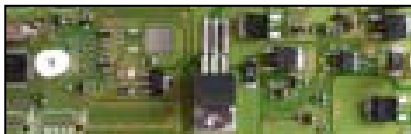
TECHNOLOGYDESCRIPTION
Solar Street Lighting

Market drivers :

- Technology leapfrog (like mobile phone)
- Fast and easy to deploy (no cable)
- Economical and safe (no blackout)
- Environment friendly (no CO₂)



THE TECHNOLOGY / 10 Y MAINTENANCE FREE



**ENERGY MANAGEMENT
SYSTEM**



SOLAR PANEL



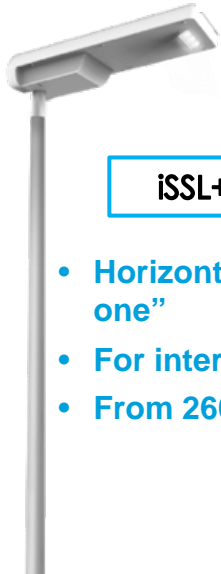
LED LIGHT ENGINE



NIMH BATTERY



THE RANGE / FOR ANY ENVIRONMENT



iSSL+ & iSSL Maxi

- Horizontal PV & “all-in-one”
- For inter-tropical regions
- From 2600 to 5600 lm



UP Light

- Tilted PV
- For MENA regions
- Up to 11000 lm



Totem

- Vertical PV
- For all region
- Up to 11000 lm

Solar Street Lighting / Value Proposition



OFF-GRID AND NO BLACK-OUT

NO ELECTRICITY COST : SOLAR POWER SOURCE

10 YEARS + OF RELIABLE LIGHTING SERVICE

ALL IN ONE, PLUG AND PLAY AND ANTI-THEFT

KEY BENEFITS

- Real time monitoring
- Sensor data acquisition
- Alerts and data logging
- Predictive Maintenance
- Security : CCTV, Traffic
- PAYG



**WHERE SOLAR STREET LIGHT
PLAYS A ROLE
IN RURAL ELECTRIFICATION**

SOLAR STREET LIGHT / ROLE ON ENERGY ACCESS

FIRST LEVEL OF LIGHTING

PUBLIC SERVICE

ABSOLUTELY DEMOCRATIC



SOLAR STREET LIGHT / ROLE ON ENERGY ACCESS

REAL INFRASTRUCTURE, THAT SHOULD BE
THE BACKBONE OF ENERGY DELIVERY



SOLAR STREET LIGHT / ROLE ON ENERGY ACCESS

CONFLICT RESOLUTION



LAST BUT NOT LEAST :

HAPPY TIMES !

