



SUNStreet

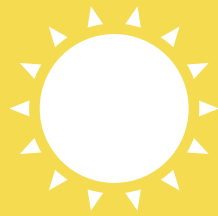
INNOVATIVE PHOTOVOLTAIC SYSTEM
FOR STREET LIGHTING.



FULL RENEWABLE AND INNOVATIVE POWER SYSTEM

SUNStreet has been designed for areas with limited or no access to electricity using a full renewable and innovative power system.





DURING THE DAY

During the day, when the sun shines, an innovative, **centralized and off-grid PV system converts solar energy to electrical energy** which is stored in a very reliable battery pack.



DURING THE NIGHT

During the night, the battery discharged, **releasing electrical energy** to power LED Lamps.

What is **SUNStreet** *made of*?

1 **Centralized PV System**



2 **HyREI**
Hybrid Energy Manager



3 **LED**
Street Lighting



1 Centralized PV System

The most important advantage of Centralized PV System is the **innovative concept of energy distribution**: unlike other products already on the market (one PV module with one battery for each light pole), IPSL use a stand-alone PV system able to power 1 km (or more) LED lamps thanks HyREITM technology.



2 **HyREI**
Hybrid Energy Manager

With the use of HyREI it's possible to guarantee **available energy 24h**: thanks to HyREI you can manage PV system, batteries and backup generator in a optimal and efficient way.



3

LED Street Lighting

LED technology ensure **low power consumption, long lifetime**, more accurate color rendering and **fewer electrical losses**.

Furthermore, by installing efficient and bright street lighting the quality of life get better: the local authorities can improve road safety for drivers and pedestrians and create more attractive conditions for businesses and commercial life.



The Added Value



Easy PV cleaning system



Ventilation and air conditioning
for electronic components and
battery pack



TVCC and alarm



Remote monitoring and control



The Added Value



Auxiliary connection
to the **national grid**



Auxiliary connection
to genset as **Backup**



Fuel "free of charge"
for 2 Years



Maintenance "free of charge"
for 2 Years



The Advantages



Lower maintenance cost



A greater reliability of the components and **Long Life System**



A **shelter for rest areas** guarantees safety and comfort for people and travelers along the way





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Beyond innovation.