

# SELF POWERED SMART CITY STREET LIGHT POLE

- ❖ 100% reduction of the municipality's energy consumption for streetlight
- ❖ Digital Media Board for advertising
- ❖ Gunshot Detector
- ❖ Creates high level of security on the streets



## SPECIFICATIONS

The 250W vertical solar system attached to the pole is capable of delivering energy to the CobraHead and to the computer for a maximum of 24 hours with no additional charging.

The 40W Smart LED Cobra Head is delivering 5,800 total lumens on the ground. The temperature detector switch alternates the white summer light to yellow winter light for the road safety in times of fog.

Gunshot Detector

High Resolution IP Camera

LED Video Advertising Panel



## FEATURES AND BENEFITS

- The optional Gunshot Detector signals the specific noise produced by any firearm and automatically transmit the location to the monitoring center and dispatch the police to activate the search.
- The High-Resolution I Pad dressable surveillance camera is to detect security license plates, accidents, face cognition for crime prevention.
  - Creates high level of security on the streets.
  - Reduces accident liability in the winter and dispatches police and ambulance faster than normal.
- Digital Media Board for advertising: emergencies, weather, public or commercial information and added security to pedestrians and drivers.
- Mobile hotspots, GEO fencing.
- Private WiFi Network

## FEATURES AND BENEFITS

- Optional Wind Turbine can generate 225 kWh/mo
- Advertising products and events generates very healthy revenue.
- In case of emergency the Smart Dual Power Transfer Controller Switch redirects the energy to the LED Cobra Head, from the battery to the grid until the internal computer resolves the emergency that caused the interruption.
- In this time the street light is not compromised and the charging battery algorithm is restored.



# PRIVATE SECURE NETWORK

In order for a Smart City to prosper it requires an enabling platform capable of providing value-Added Services (VAS) in a modular and scalable configuration.

Our System creates an enabling Platform as it provides mobile and data communication (LTE, PLC, Virtual Optical Fibre) allowing use of the public lighting facilities to supply VAS in pervasive, non-invasive and highly integrated way.



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