



Progetto Energia Dark Sky® is a patented light telemanagement system for monitoring, controlling, metering and managing outdoor lighting, it saves energy, improves outdoor lighting reliability and lowers maintenance cost, while reducing greenhouse gas emissions.

Progetto Energia Dark Sky® is the unique “one stop shop solution”, from the luminaire, through to lighting controls and management systems, that offers the ultimate control in lighting outdoor areas of all kinds.

Dark Sky® gives complete insight into what is taking place within your lighting system, allowing you to communicate with it and with your other systems, enabling each luminaire to be switched on or off, at any time, or to be set to any level, or automatically for instance, adjusting the right lighting level on street, depending on the traffic volume or weather conditions, meanwhile is detecting the operating state, the lamp and system failures, the burning hours, or is metering and billing, the real energy consumption.

In other words **Dark Sky® can monitor, according to ISO 50001 standards, the age and condition of each lamp, reporting any failure, by exact location, storing all real world information in a database** with exact time stamp and geographical location, making the data available to better understand and make decisions concerning energy use and consumption, giving you a measure of the results and the effectiveness of implemented energy efficiency policies.

This yields **considerable energy savings**, thus helping to reduce CO2 emissions in compliance with national and international environmental regulations and directives, while offering the opportunity to significantly reduce operating and maintenance costs through extended lamp life and accurate scheduling of service, improving reliability and availability of outdoor lighting.

Intelligent lighting operations

Remote monitoring

- The lighting failures are automatically reported by the system, saving time and costs

Smart asset management

- The digital system smartly plans and routes the maintenance works to minimize street blockages

Smart scene dimming & setting

- Lights are dimmed during low traffic hours to save energy or enhanced in problematic neighborhoods to improve safety

Intelligent energy metering billing

- A smart meter accurately calculates the energy consumption taking into account the varying rates and automatically bills all entities