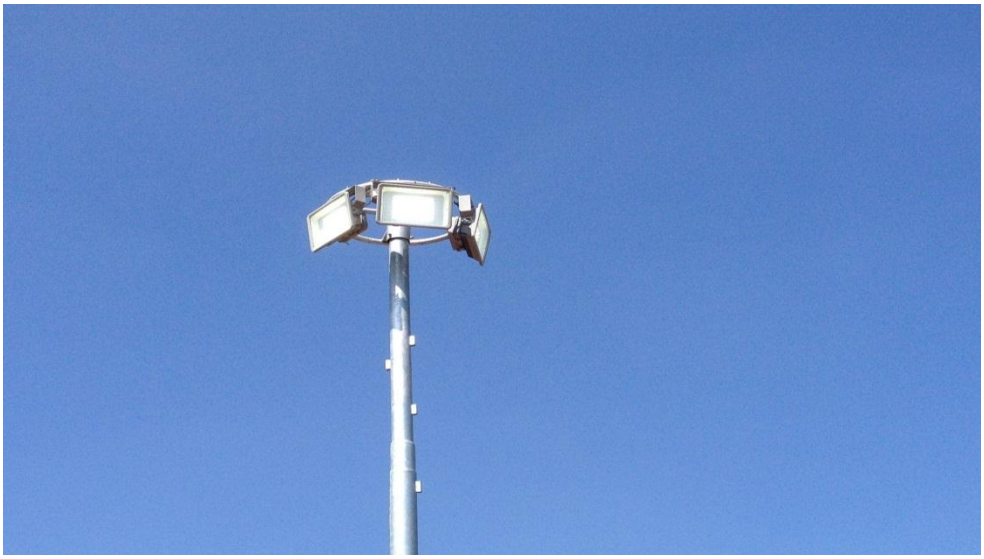
WISYS HELPS INSOLARE **CUT LIGHTING ENERGY COSTS BY 22%** WITH LOW COST PATENTED INTELLIGENT LIGHTING UPGRADE IN SOLAR POWER PLANT

Project Highlights

Number of lights for Pilot
9X120 W Flood Light

Energy savings
22% (Conservative)

10 Year energy cost savings
62,000 Rs



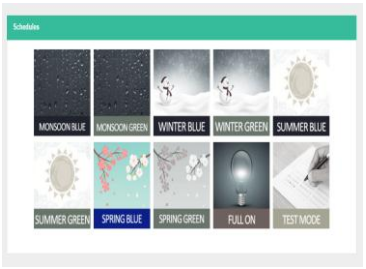
Project Information – Solar Power Plant (Gaddigge–Mysore)

The project location is in Gaddigge – which is about 1 hour drive from Mysore. InSolare established the Smart Lighting Initiative in an effort to reduce the lighting energy consumption and to automate the lighting control in their remotely located solar power plants. The first phase of the program included a pilot deployment of 9 numbers of network-controlled 120 Watts LED flood lights.

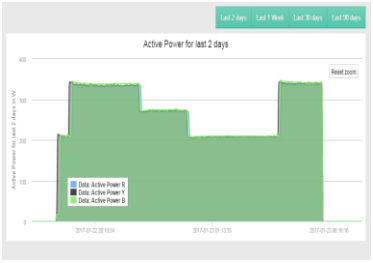
The lighting installation with controls has reduced annual energy use by an estimated 1040 kWh, saving about 6,200 Rs. annually in energy costs only. The additional savings attributable to the lighting controls was measured with the help of a network connected class 1 accuracy energy meter. Other than the energy savings and the automated controls, the system is capable of reporting light failures and power supply issues and real time monitoring of the lighting system. The system can detect the faults in power line and can cut off the power to the lights hence saving lighting system as a whole.

Innovative Idea for Intelligent Lighting Solution

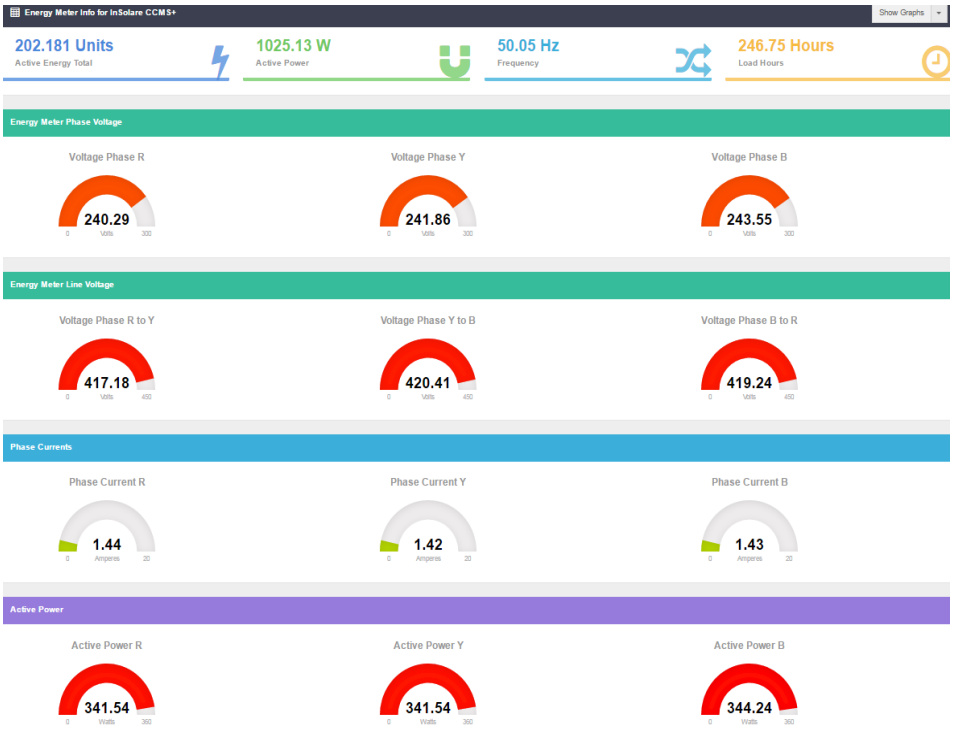
Wisys has developed a patented low cost technology for intelligent lighting. The system covers most of the features of the conventional wireless based light controllers available in market at a lower cost and with a disruptive ROI. The controllers can be integrated (internally or externally) to any lights with dimming control (Analog/PWM). Wisys lighting system comes with predefined configurable dimming profiles that user can chose at a given time to select right dimming levels based on usage scenario. Without the requirement of any specific communication infrastructure, Wisys's patented technology can communicate the required profiles to lights achieving most amounts of energy savings per light without compromising on lux performance.



User selectable seasonal schedules



Reduced Power with dimming



The Results

The Wisys intelligent lighting system is capable of reducing LED energy consumption anywhere from 20% to 50% depending on profile selected by user. With configurable profiles customer has an option to save more with more aggressive schedules. The system provides extensive maintenance savings and energy monitoring services. Several faults were reported during the course of the pilot and alerts were generated.

Any large facility could save a lot of energy and money with a system like this.

For Further information Contact :

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