

Fugenic Computer Services Private Ltd is a young and vibrant company that is focused on becoming the leaders in the areas of having electrical & human energy by the way of unique, advanced, patented ideas based on our past long experience.

Fugenic founded by a strong bonded team of financiers, advisors, technology specialists, consultants and a dedicated work force. Our highly skilled and experienced team is comprised of people who love programming and want to stay at the leading edge of new technologies, particularly in the areas where others failed.

Understanding the need for ease-of-use, standards-based software, and the endless search we, as a company, are enthusiastic about our unique solutions across various sectors like Power management, water management, Security systems and pollution control.



Street Light Wireless Automation & Tracking

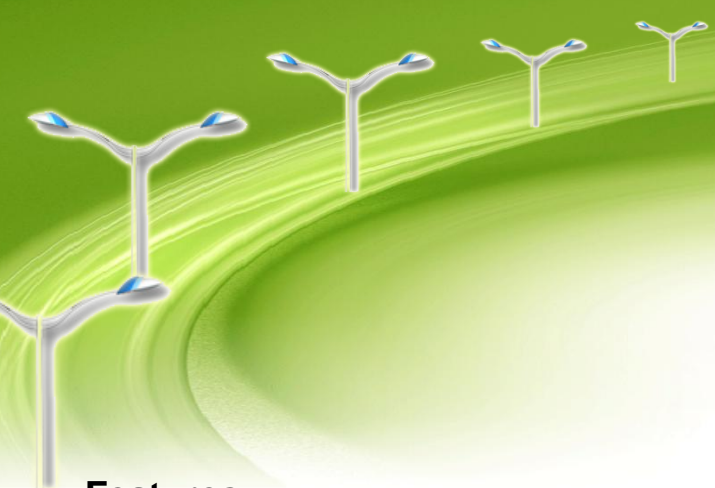
Fugenic SWAT System has been developed to remotely control and monitor streetlights in the city by using GSM/GPRS Technology. This Automation system is a highly reliable system which provides critical data on power theft, short circuit, fused lights and health of the street lights. It leads to 25% to 35% of energy saving, improves roadway safety, and minimizes maintenance costs.

The efficient two-way GSM communication is made between the Streetlight controller and central server. So we send the real time commands to the street light controller and retrieve the data from the street light controller.



Pole Terminal





Features:

SLM software provides two way communications for monitoring of street lights from Central server to junction box. Once Programmed with ON/OFF/DIMMING time the device will operate as per the fixed Program and the status will be intimated to the user by default whenever there is a Change in the State

WIRELESS COMMUNICATION (GSM/GPRS)

- Scheduled based ON/OFF/DIMMING
- Monitor the status any time
- Status will be sent to the user whenever there is a change in operation
- Data will be sent to user when switch ON the device manually

VOICE COMMUNICATION

- Monitor the current status by just dialing the number
- Can control the device for switch ON
- Can control the device for switch OFF

OPERATION FROM DESKTOP

- All the lamps can be monitored & controlled by the Desktop PC
- Provides various reports dynamically along with power statistics
- Controls the device for switch ON / OFF / STATUS / DIMM
- Control the Day light changes as per the seasonal timings.
- Authorized security levels to login into the monitoring screen



Advantages:

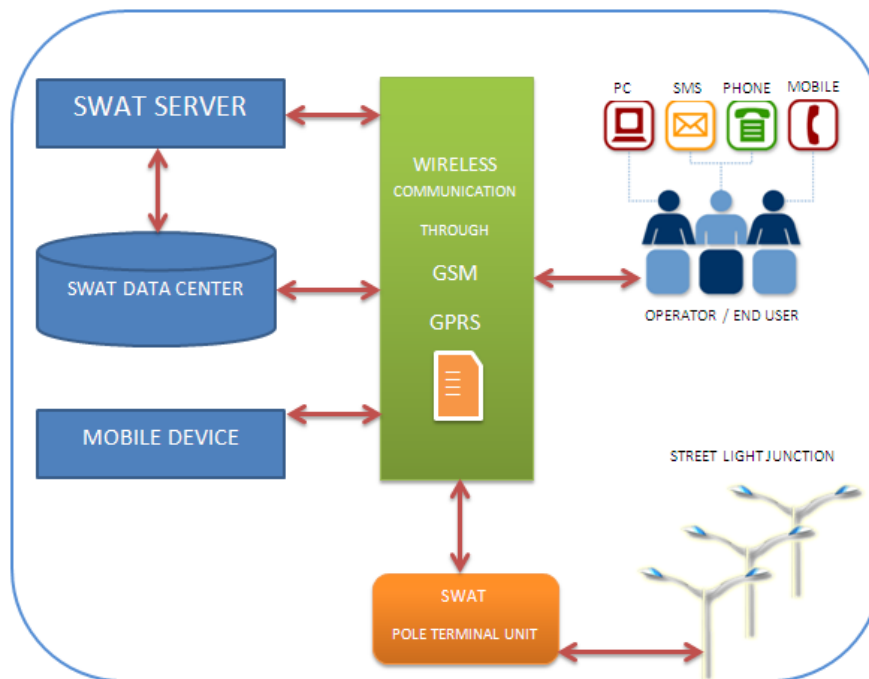
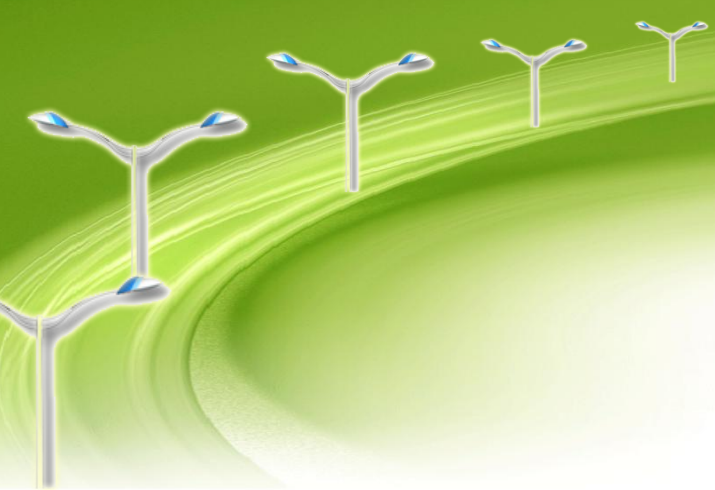
Energy Savings: SWAT system save the huge amount of energy. SWAT systems are typically designed for low energy consumption and high regulatory power supply. On real time field conditions the SWAT system yielded 35% of energy saving.

Maintenance Costs: SWAT system monitors the units and maintenance department are alerted in real time with a message precisely pin pointing the FPB where the bulbs are fused. Thereby, not only reducing the maintenance cost but also brings in good governance to the citizens.

Timely switching: SWAT timer helps to regulate the switching times at a predefined time.

Power theft: SWAT system keeps track of the power consumption patterns by the FPB, any unusual activities are immediately alerted to the respective maintenance and/or enforcement agencies. If the power consumption pattern exceeds the defined threshold value, the system alerts the enforcement agencies as “theft alert”

Bulb Data Logs: SWAT system records the glowing hours of the bulbs connected to the FPB. For each junction, SWAT maintains the information such as wattage, manufacturer etc. If any of the bulbs are damaged, the system reports the precise glowing hours of the bulbs. This helps GHMC to better select the Vendors based on the actual field conditions, which without SWAT would be next to impossible.



Functions in brief:

- A controller is installed in the existing panel that controls the streetlights as per position of the AUTO/Manual switch.
- Irrespective of the position of the AUTO/Manual switch, the controller monitors and sends a detailed report of all streetlights and sends alarms to the central Monitor Station.
- The controller is programmed for scheduling of the streetlight control for different seasons of the year. The central Monitoring Station is programmed to remotely switch ON /OFF/DIMM, change schedules and generates reports on daily / monthly / yearly / event basis.

The controller sends SMS and alarms the following events:

- Input Power Failure / Input Power Normal
- Output Power Failure / Output Power Normal
- Neutral break / normalized
- Manual Operation