

# Advanced Streetlight Management Software

**Advanced Streetlight Management System is a real time control system based on GIS that monitors and controls street lights remotely**

- Able to run up to 1,000 SmartServers and 100,000 light points.
- Easy access and convenience of use through GIS (Map) service.
- Able to use the system without installing client system through HTML5. web based service and to access the system with PC's, tablets and smart phones.
- Cost Reduction through building dynamic IP based network. (DDNS, static IP not used)



## FEATURES

### System Security

- Certified information based data communication
- Coded users information
- Management area set by users



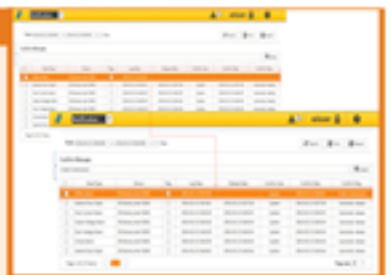
### Real Time Control

- Monitors in real time lamps on/off, dimming levels and electrical data etc
- Schedule and program based automatic control through stable local network
- Able to control remotely through individual and group control
- Maintenance cost reduction through detecting old lamps, abnormal state etc



### Detecting Failures/Alarming in Real Time

- Detects panel door open, outage, overvoltage, overcurrent, communication failure etc in real time and gives alarms
- Informs users in real time through e-mail/SMS
- Minimizes nighttime patrol
- Reduces civil complaints through immediate onsite actions
- Efficient facility management



## FEATURES

### Energy Saving

- Realizes energy savings through sunrise sunset based dimming control
- Reduces running costs and CO2 emission



### Efficient Management of Street Light

- Builds GIS(Map) based facility management system
- Traces the data of facility management and maintenance history
- Efficient management through statistical analysis



### Optimum Installation and Trial Run

- Integrated management from preliminary investigation to installation and trial run
- Conducts preliminary investigation and builds management area through our registration app
- Collects installation information using the apps(pole numbers, NID's, GPS positions etc)
- Automatic commissioning and onsite test through the installing software



### Installation and Site Investigation with the Apps on Mobile Devices

- Easy to input location information(GPS), neuron ID's, etc using mobile devices (smart phones, tablet PC's, etc)
- No need to input extra data because of synchronization with the server
- Enhances information accuracy through saving information pictures and collecting location information
- Shares with the site in real time, the integrated data in the server to take action immediately against problems



## SOFTWARE COMPOSITION

Software	Purpose	Operation Environment
ASLAPP	Preliminary Investigation and Installation Information Collection	Android 5.0 ↑
ASLCT	Devices Commissioning	Microsoft Windows ↑
ASLWeb	Web services application	OS/WAS - Windows Server 2012 / IIS 8 Database - MS-SQL 2012 ↑ Framework – Web(ASP.NET) Service