

THALIA

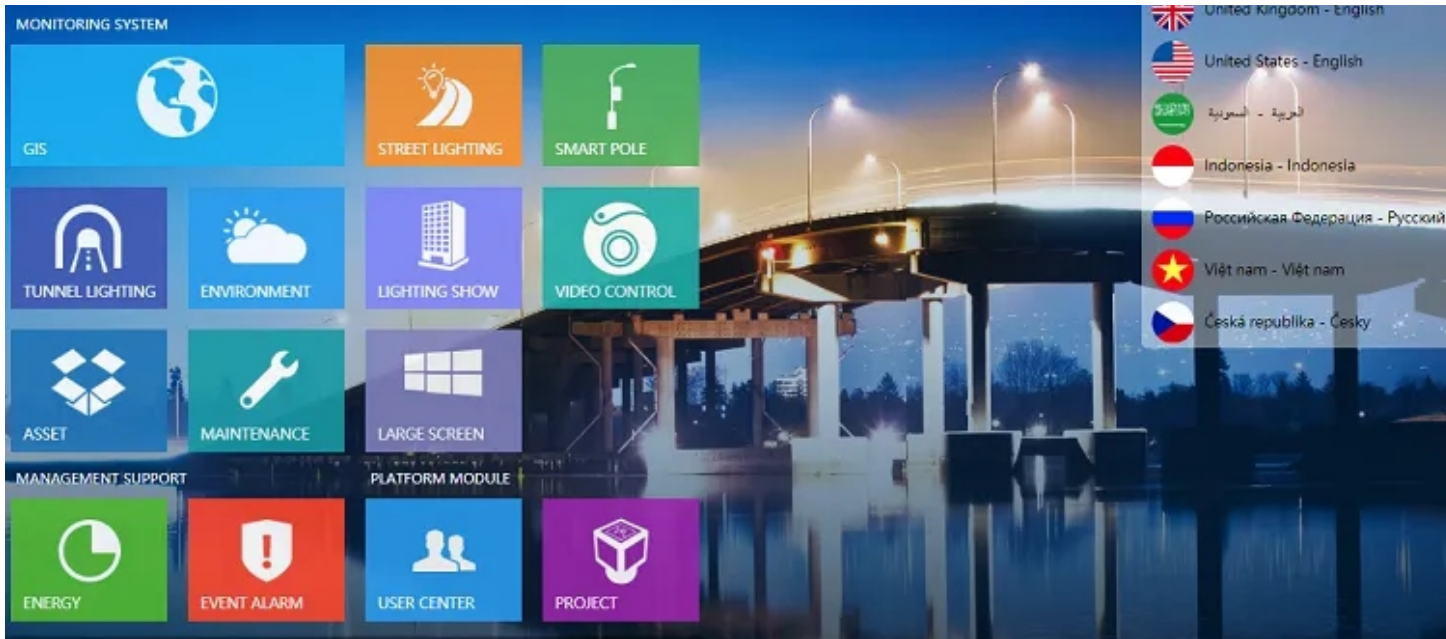
Smart Cloud Control System (SCCS)

BUILDING A FUTURE, WE ALL DESERVE



Summary

SUMMARY



City Transformation

SCCS is a cloud-based solution with advanced communication and easy integration with existing installations, can monitor individual luminaries up to millions of Smart Pole nodes. It facilitates reduction in power consumption, CO2, emission and light pollution and moreover and optimized maintenance planning.

User Friendly

The SCCS has been improved to make it more effective and user-friendly. Through desktop, tablet, or smartphone applications, users can remotely operate any device connected to the smart pole.

Multi-Functional

SCCS platform is designed to manage and control the power cabinets and smart poles with different communication technology and also provides different smart applications for smart poles. Map based visualization, real-time and total energy report and malfunction alarm helps to make decisions in time and reduce operational cost significantly.

Flexible

The advanced structure design of SCCS allows almost unlimited quantity of device controllers in the cloud-based server, suitable for any size of cities. The SCCS provides different interfaces for hardware and software from third party, and customization to your specific needs.

Features

Smart Lighting Control Cloud-based System (SCCS) is a web-based solution with advanced communication and easy integration with existing installations, can monitor individual luminaires up to millions of points of light. It facilitates reduction in power consumption, CO emission, light pollution and moreover an optimized maintenance planning.

System Features

- Fault alarms
- Easy installation
- Device and connection status
- Operational quality metering
- Remote monitoring (turn on/off, dimming, CCTV movement, data query, etc)

Energy and cost saving result from:

- Dimming lights at off-peak hours
- Turning of LED display at off-peak hours
- Remote paging without the need to go to the targeted site
- Sound volume automation (reduce volume off-peak hours)
- Reduced maintenance costs
- Burn hour optimization
- Accurate switch ON/OFF

CO2 reductions

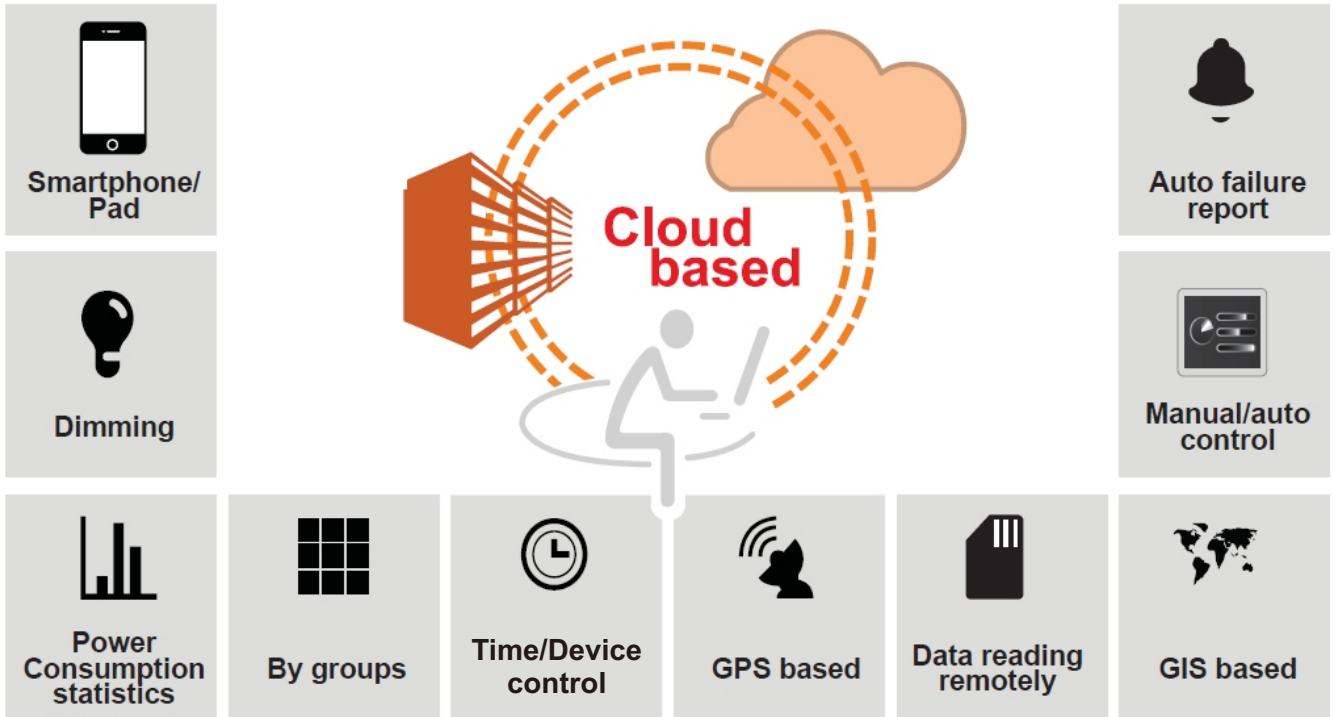
Reducing the costs and CO emissions of streetlights is a necessary challenge for most utilities and distribution cities who face:

- Rapidly increased electricity costs
- CO2 reduction requirements
- Growing electricity demands

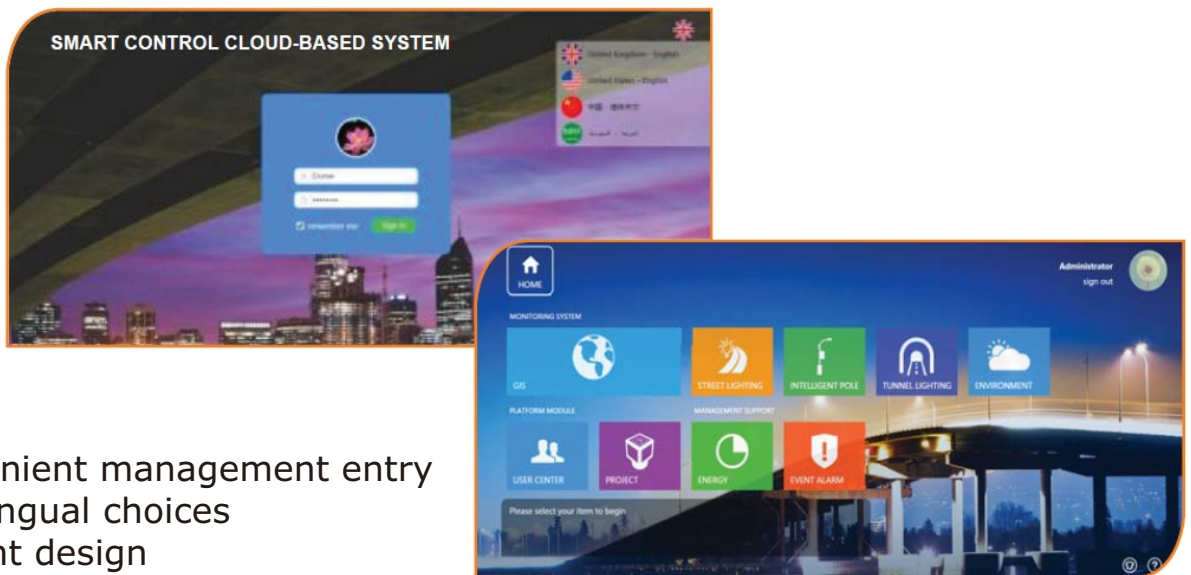


Functions

FUNCTIONS



User friendly interface



- Convenient management entry
- Multilingual choices
- Elegant design

Functions

Geographic information system

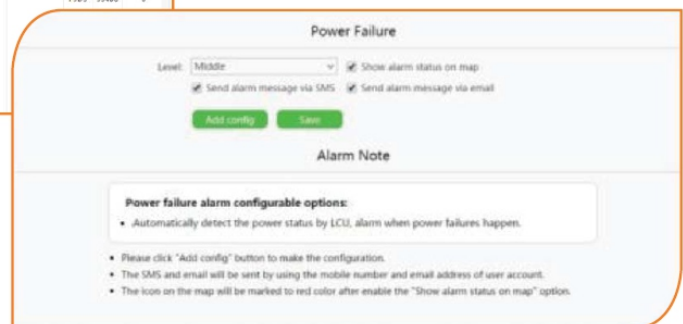


- Based on the GIS system design
- 2D/3D map
- Batch device control operation
- Lines & branches marked
- Real-time alarm warning
- Quick positioning and facilities maintenance
- Equipment partition management
- Batch deployment capabilities

Alarm system

ID	Status	Level	Station	From	Name	Type	Alarm/Clear Time	Message	Value	RTU	LCU	Address
1	●	Low	12-	Meter	RTU METER-40	Power factor	2017-05-07 16:31:43	الخطف معدل قدرة الحثية	B: 0.57, C: 0.24	FP05		1
2	●	Low	11-	Meter	RTU METER-40	Power factor	2017-05-07 16:00:39	الخطف معدل قدرة الحثية		FC28		1
3	●	Low	11-	Meter	RTU METER-40	Power factor	2017-05-07 16:00:05	الخطف معدل قدرة الحثية	C: 0.79	FC28		1
4	●	Middle	12-	Pole	2073 2 - عمود	Lamp failure	2017-05-07 08:57:39	مصابيح الفشل		FP05	50216	0
5	●	Middle	12-	Pole	2073 2 - عمود	Lamp failure	2017-05-07 08:52:13	مصابيح الفشل		FP05	50216	0
6	●	Middle	12-	Pole	1/06 المنصورة	Door open	2017-05-07 09:26:11	فتح باب العمود		FP05	56C1D	0
7	●	Middle	12-	Pole	1/06 المنصورة	Door open	2017-05-07 09:36:09	فتح باب العمود		FP05	56C2D	0
8	●	Low	12-	Pole	C4 1 - القوس	Capacitor failure	2017-05-07 09:09:17	فشل المكثف		FP05	59486	0
9	●	Middle	12-	Pole	1/06 المنصورة	Node lost	2017-05-07 09:02:40	فقد العنود				
10	●	Middle	12-	Pole	1/06 المنصورة	Node lost	2017-05-07 09:02:42	فقد العنود				
11	●	Middle	12-	Pole	1/06 المنصورة	Door open	2017-05-07 09:01:30	فتح باب العمود				
12	●	Middle	12-	Pole	1/06 المنصورة	Door open	2017-05-07 09:01:28	فتح باب العمود				
13	●	Middle	12-	Pole	A4 1 - الراس	Lamp failure	2017-05-07 08:46:45	مصابيح الفشل				
14	●	Middle	12-	Pole	A4 1 - الراس	Lamp failure	2017-05-07 08:46:07	مصابيح الفشل				
15	●	Middle	12-	Pole	1/06 المنصورة	Door open	2017-05-07 08:17:51	فتح باب العمود				

- Real-time alarm system

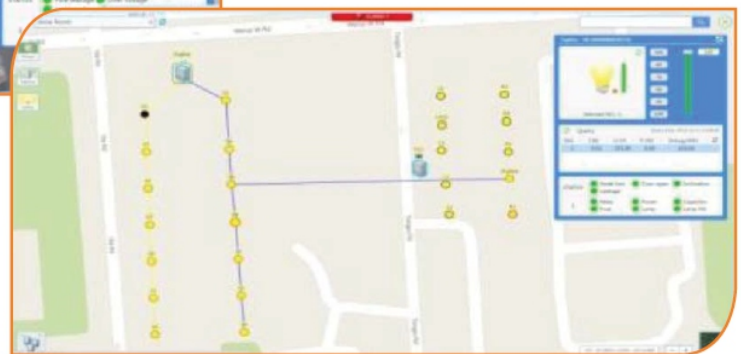


- Customized alarm types & conditions
- Multiple alarm notification
- Alarm tracking and positioning
- Alarm trace back and statistics
- Alarm fast synchronization

Functions

FUNCTIONS

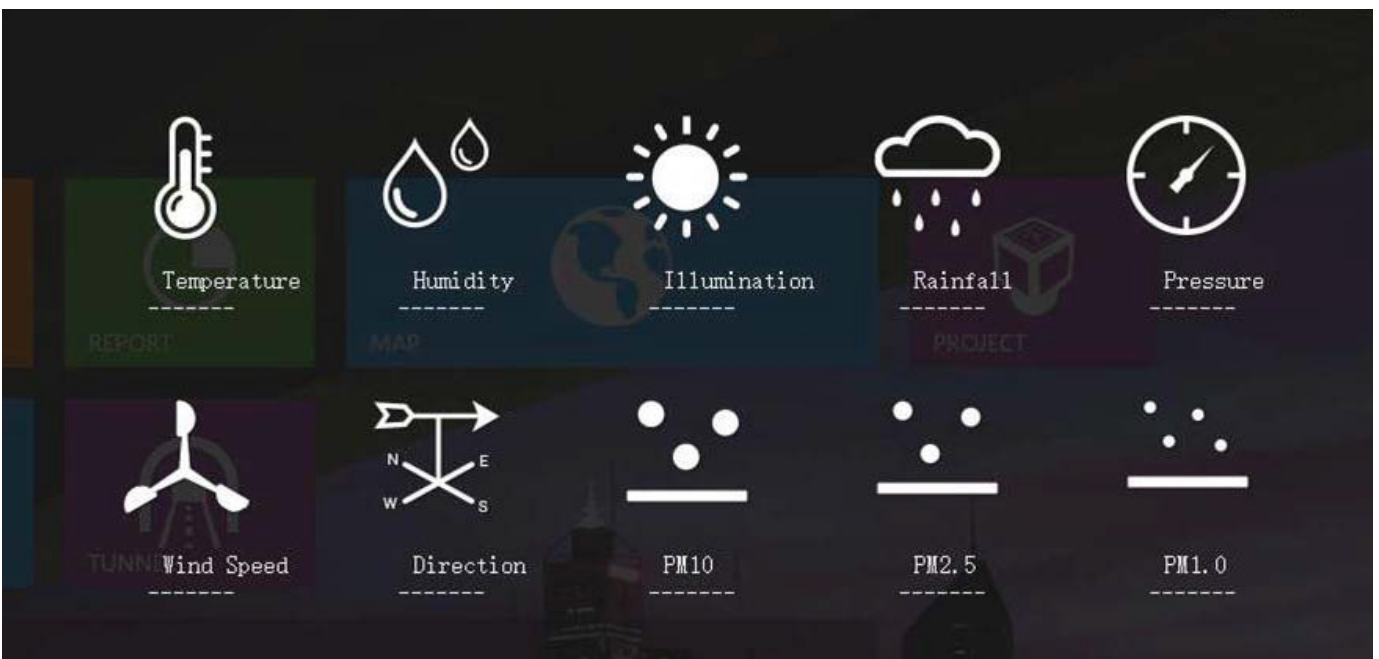
Assets management



- Easy deployment
- Fast batch device information input
- Automatically UID data collection

- Lat. & Long. Data Import by batch
- Compatibility with multiple surveillance devices
- Auto-equipments commissioning

Environment monitoring



Integration

LED Display Content Management System

In order for LED displays to display content in the form of images or videos, an application/software is needed to control the content that will be displayed, starting from changing content, scheduling content, to more advanced functions, such as matters related to the care and maintenance of LED displays.

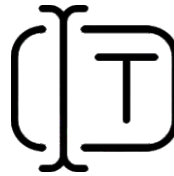
Types of content that can be displayed on a CMS:



Video



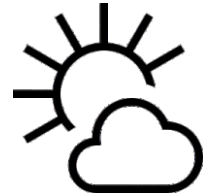
Image



Text



RSS Feed



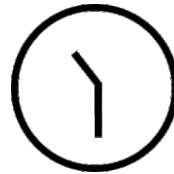
Weather



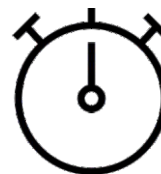
Social Media



HTML5



Clock



Timer



RTSP Stream

Features:

- Content scheduling
- Custom layout
- Monitoring Dashboard
- Running text support
- Play list system
- User/account management
- Template
- Interactive
- Power scheduling
- Play log
- Volume control
- Brightness control
- Preview/capture screen
- Triggering system

