

### Smart Control Sport Lighting

#### Smart Sport Lighting

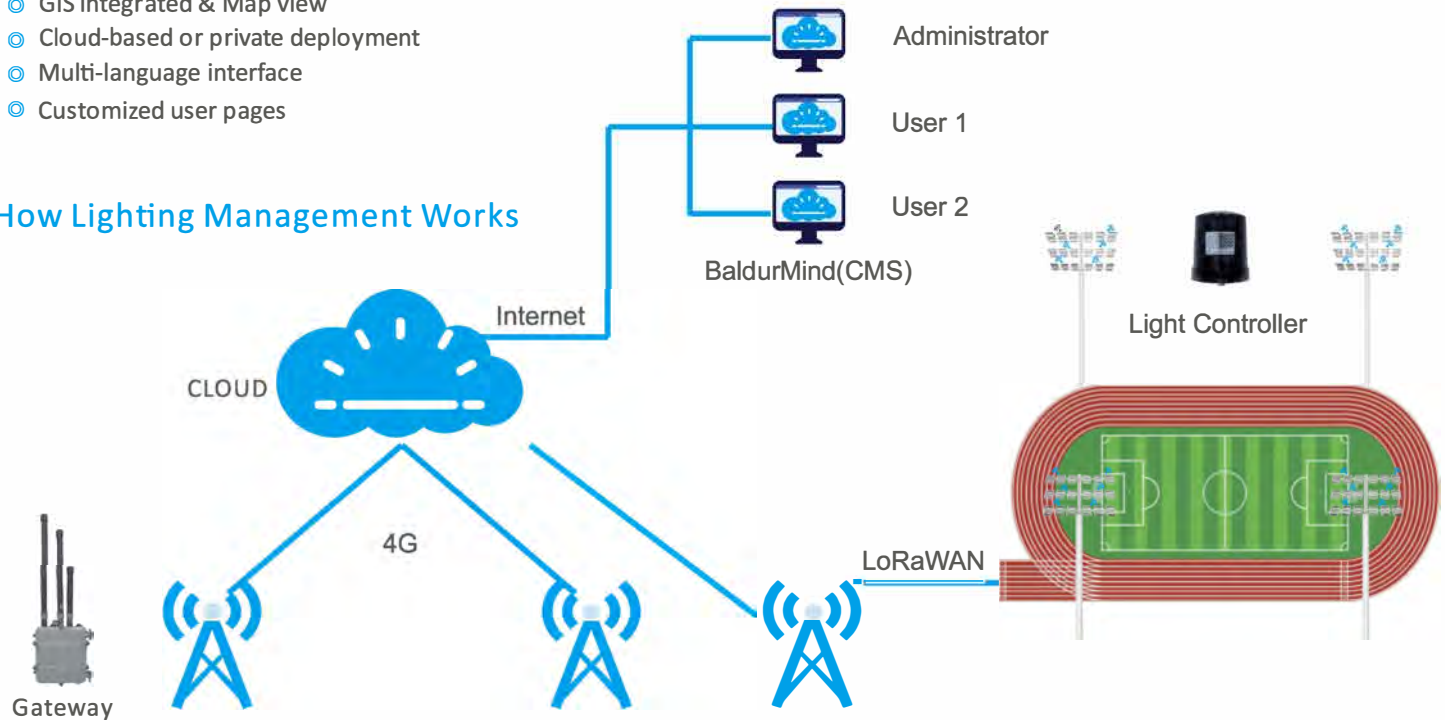
Reduce Sports Lighting Energy Cost

Manage your sports field lighting remotely with a cost effective smart control system, give you complete control via computer, phone or PC.

#### Key Features Of Remote Control Central Management System:

- Web-based software
- Single Control & Multicast
- Smart scheduling dimming
- Fault alerts & Maintenance scheduling
- Multiple Tenants
- GIS integrated & Map view
- Cloud-based or private deployment
- Multi-language interface
- Customized user pages

#### How Lighting Management Works



# Light Controllers

## NEMA standard controller

- Turn on/off, relay inside
- Built-in photocell
- Dimming, 0-10V / DALI / PWM
- Revenue-grade metering±1% accuracy
- Various parameters monitoringV, A, PF, kW, kWh
- Surge protection, ±6kV
- Rugged design - Ip66
- CE / FCC / NB / RoHS



## Gateway

- Up to 266-500 light controllers by one gateway
- Up to 5km range
- Any LoRaWAN network compatible
- Multiple backhaul options - 4G/LTE, Ethernet
- Enhanced spectrum utilization - up to 16 uplink channels(optional)
- Half duplex or Full duplex(optional)
- Single control & Multi-cast
- AC or POE power input
- Geolocation & Time synchronization - GPS ready
- Rugged design - outdoor IP67
- Compact design for flexible deployment



# Benefit For Sports Operators Via Smart Control System

## Control and Status Monitoring

ID	Status	Location	Dimming (%)	Voltage (V)	Current (A)	Power (W)	Power Factor	Energy (kWh)	Heat Time (h)
188	Online		20%	228.2V	0.736A	16.25W	0.87	1.9420kWh	80.22h
187	Online		20%	228.4V	0.736A	16.26W	0.87	1.9830kWh	80.20h
208	Online		20%	228.7V	0.736A	16.27W	0.88	1.9278kWh	80.20h
209	Online		20%	228.5V	0.736A	16.24W	0.85	1.9870kWh	80.05h
211	Online		20%	228.1V	0.736A	16.21W	0.78	1.9814kWh	80.03h
212	Online		20%	228.2V	0.736A	16.22W	0.84	1.9806kWh	80.03h
213	Online		20%	228.2V	0.736A	16.22W	0.84	1.9806kWh	80.03h

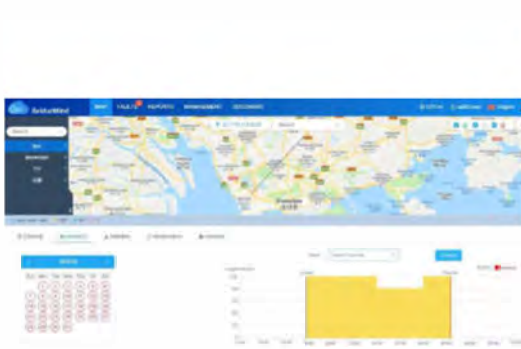
Single Control and Multi-cast Control

Various parameters monitoring



GIS integrated, Map view

## Smart Schedule Dimming



Schedule Dimming Control

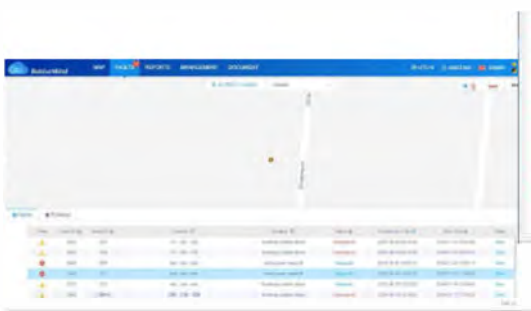


Calendar Schedule Programming

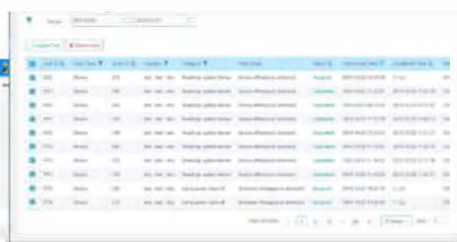


Basic Profile Editing

## Fault Alerts and Maintenance Arrangement



Fault Alerts Reporting

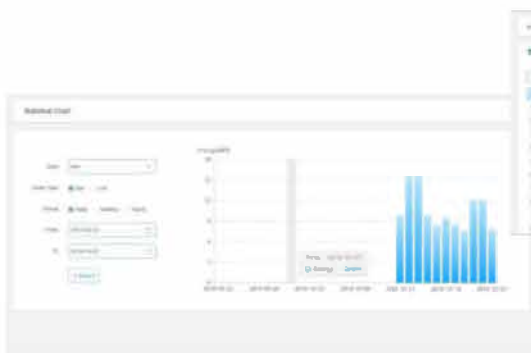


Faults Record and Analysis

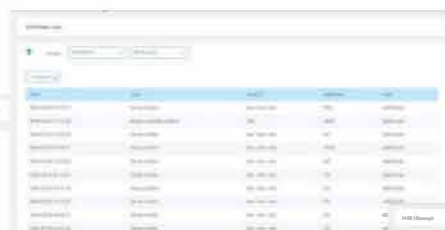


Maintenance Schedule

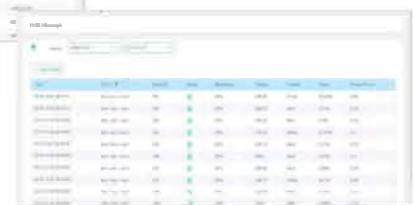
## Reports and Statistics Analysis



Energy Consumption Report



System Operation Logs

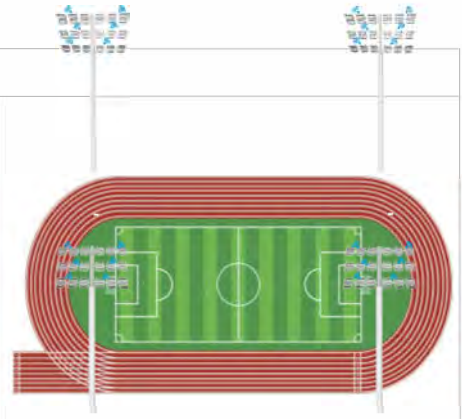
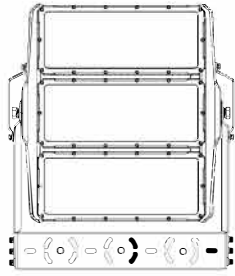


Communication Network Status Report

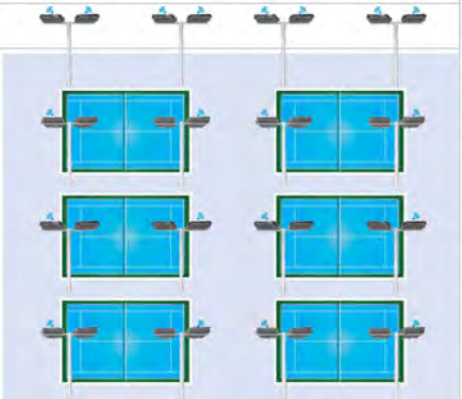
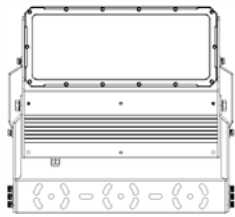


## Application:

### Sports Field Case Study



### Tennis Court Case Study



# VIMALUX

A brighter vision