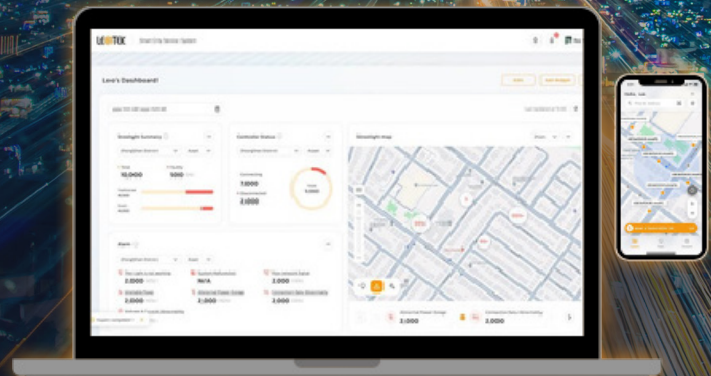


LEOLink RenAI™

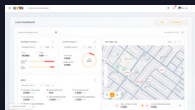
AI-Powered Central Management for Intelligent Streetlighting



LEOLink RenAI is a cloud-based, AI-powered streetlight Central Management System (CMS) at the core of the LEOLink Intelligent Lighting System (ILS). Designed to meet the complex demands of modern roadway infrastructure, LEOLink RenAI helps municipalities improve energy efficiency, reduce operational costs, and improve public safety across city-wide lighting networks. Unlike traditional CMS platforms, LEOLink RenAI, leverages a native AI foundation to transform streetlighting into a dynamic, adaptive, and self-optimizing system. By analyzing real-time and historical data from roadway infrastructure sensors including streetlight controllers, it rapidly detects outages, initiates automated corrective actions, and delivers actionable insights.

HOW IT WORKS

LEOLink RenAI is at the heart of LEOTEK's LEOLink ILS which is comprised of:



LEOLink RenAI CMS:

Cloud-based, AI-powered platform enabling multi-user access, intelligent control, and secure data storage for citywide lighting networks.



LEOLink Streetlight Controllers:

Smart nodes installed on each streetlight to collect real-time data, execute commands, and immediately respond to changing conditions.

Why LEOLink RenAI

BENEFITS & ADVANTAGES

Enhanced Safety

Automated real-time alerts and Intelligent dimming schedules minimize outages, improves visibility and public safety creating an attractive destination for residents and businesses.

Operational Efficiency

Remote monitoring and real-time analytics reduce maintenance costs, truck rolls, and manual labor.

Energy Savings & Emission Reduction

Precise light-level control eliminates energy waste, helping cities cut carbon emissions and meet sustainability goals.

WHERE RENAI DELIVERS IMPACT

City Streets & Roadways

Optimizes lighting performance and cost to enhance traffic flow, visibility, and auto & pedestrian safety.

Parks & Public Squares

Creates well-lit, inviting environments that promote comfort and community use after dark.

Industrial Parks

Ensures consistent, high-performance lighting to support worker safety and nighttime site security.

Highways

Improves roadway illumination for high-speed travel, reducing risks and enhancing driver awareness.

Intersections

Enhances lighting precision at critical junctions to reduce collision risks and improve traffic safety.

KEY FEATURES

Asset Management

Collect and track roadway infrastructure asset information such as streetlight fixtures, poles and controllers. to drive operational efficiencies across from field maintenance to life cycle management.

Remote Control

Instantly switch or dim streetlights citywide via a cloud-based interface.

Scheduled Dimming

Automate brightness based on ambient light and pre-set schedules for maximum efficiency.

Real-Time Fault Detection & Alerts

Detect faults instantly and receive real-time alerts to minimize downtime.

Energy Consumption Management

Monitor and optimize energy use to reduce waste and support sustainability.

Data Analysis & Reporting

Turn data into insights with visual analytics, trend tracking, and automated reports.

LiSA (LEOTEK intelligent Service Advisor)

LiSA, our 24/7 AI assistant, answers questions, creates visuals, and supports troubleshooting to reduce workloads.

Specifications

Dashboard

Streetlight Summary
Controller Status
Real-time Map View
Alarm Summary
Energy Consumption

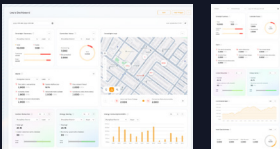
Power Distribution
Asset Type Summary
Model Summary
Device Life Span
Asset Filter

Map View

Lighting Status
ON, OFF, Abnormal

Alarm Status
Power Outage
Disconnected
High Temperature Shutdown
Voltage & Current Abnormal
Pole Tilt
High Temperature
Luminaire Abnormal

Detail Asset Information
Detailed History Log
Asset Positioning
GPS Coordinate Update
Asset Filter & Search



Alarm Notification

Alarm Type

Severe
Power Outage
High Temperature
Shutdown
Short Circuit
Open Circuit

High
Disconnected
Pole Tilt

Medium
High Voltage
Low Voltage
High Current
Low Current
Over Power Limitation

Low
High Temperature
No GPS Signal

Email/SMS Notification

Performance Reports

Fault Analysis Report
Energy Consumption Report
Dimming Benefit Analysis
Historical Report

Specifications

Asset Management	Add/Edit/Delete/Import Asset Controller/Luminaire/ Pole Management Asset Binding Asset Group Setting Installation Mobile App	Asset Overview Asset Filter & Search Light Adjustment ON/OFF Switch Real-time Information Detail History Log
Dimming Management	Add/Edit/Delete Dimming Schedule Schedule Group Setting Time Zone & Activate Interval Setting	Photocell Setting Group Dimming Emergency Dimming Switch
Account Management	Account Information Change/Reset Password	
AI Advisor (LiSA)	Quick Questions and Answers Table and Chart Data Display Diagnosis & Fault Analysis	
Multilingual	English Traditional Mandarin Spanish	



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