



# CityEdge Platform

**A scalable, secure, and reliable software platform designed to meet the complex needs of cities and utilities.**

As the next generation Central Management System (CMS), CityEdge Platform provides a single pane of glass solution for analyzing data from multiple use cases and a variety of IoT devices. It has proven scalability with successful deployments ranging from a few hundred to hundreds of thousands of endpoints. Notable global city deployments include Auckland, Canberra, Chicago, Christchurch, Copenhagen, London, Miami and Paris.

The CityEdge Platform provides full management and control capabilities in a single, easy-to-use interface. By unifying data from various digital infrastructure applications, it enables utilities and cities to make better decisions for resource management, carbon tracking, traffic monitoring, public safety, and sustainability among others.

Built on open standards, CityEdge Platform enables cities and utilities to connect and leverage a variety of smart city use cases from our robust partner ecosystem. To date, the CityEdge Platform has been deployed to manage more than 4.5 million endpoints worldwide and for the past 5 years has been named the global leader by Northeast Group (a leading industry analyst) in their Smart Street Lighting & Smart Cities CMS software category.

## **BENEFITS**

- » **Centralized, Secure Management:** Provides an enterprise-grade, single pane of glass to control and manage streetlights as well as a wide range of smart city applications through robust partner ecosystem.
- » **Supports Sustainability Goals:** Reduces energy consumption and accelerates carbon emission reduction efforts through adaptive and dynamic lighting controls.
- » **Enhances Operational Efficiency:** Enables accurate fault detection and predictive maintenance, minimizing the need for costly truck rolls.
- » **Scalable Deployment:** Demonstrated ability to scale 500,000 plus endpoints within a single deployment.
- » **Multi-Tenant and Secure:** Supports multiple projects across many geographies with all of it managed through a single interface via role-based privileges governing the capabilities offered to any given user.
- » **Seamless Integration:** Enables connectivity with existing business processes via API support, facilitating real-time data exchange, notifications and service integration with third-party applications such as customer service systems, geographical information systems(GIS), and workforce management tools.

## FEATURES

### Single, Unified Data Collection and Repository

- » Collects and stores both usage and diagnostic data. Provides single dashboard which help to identify problems before failures occur.

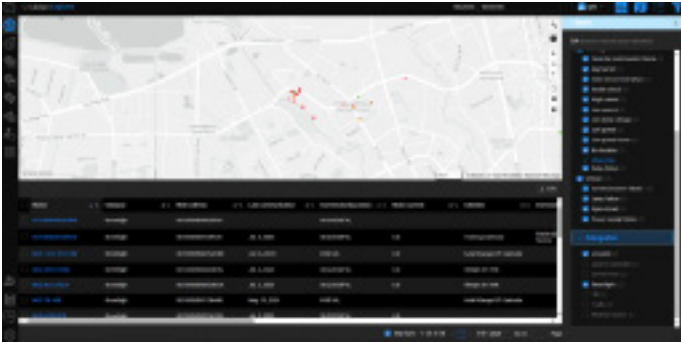


Figure 1: Insights into the telemetry data and failures of the streetlights

### Alarm Management

- » Customizable alarm thresholds and user notifications based on logic – such as detecting and alerting on nested outages or other complex event conditions.

### Export of Data, Reports and Event Info

- » Diverse set of standard reports included “out of the box”, which can be configured to send data on a regular cadence (daily, weekly, monthly) via email or FTP.
- » Ability to create custom reports which can be exported to CSV or XLS.
- » Fully documented Restful APIs available for real-time integration.

### Asset and Inventory Management

- » Enables users to create, import, export, and modify device attributes, perform advanced device searches, and generate detailed inventory reports.
- » CityEdge Platform also supports the ANSI C137.4 standard, allowing for automated collection of luminaire and driver attributes.

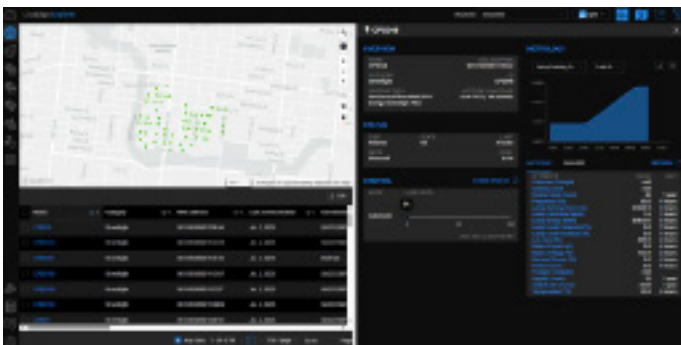


Figure 2: Tracking the assets including IoT devices in the field

### Real-time Monitoring and Control Application

- » Allows users to remotely control and monitor devices in real-time. This helps to validate failure conditions before deploying costly truck rolls.

### CityEdge:Go

- » A suite of field operations and maintenance applications that extends the CityEdge Platform features into the field via defined workflows on multiple mobile platforms (Apple, Android, Windows).
- » Streamlines field operations by optimizing maintenance activities and validating on-site work.

### Single Pane of Glass for Control and Management

- » User-customizable view of important information providing the ability to quickly and easily monitor and manage endpoints.
- » Enables the sharing of high-level overviews with management and communities to showcase the success and benefits of the program.
- » Single dashboard supports several use cases, including smart lighting, traffic monitoring, air quality, noise monitoring, pole tilt, and many more.

### Failure Detection and Analysis

- » With quick insights that immediately highlight assets requiring maintenance, it enables faster responses and repairs.
- » Ability to identify trends by accessing the history of failures of any given devices.
- » Ease of exporting information via a report and sharing it with others.

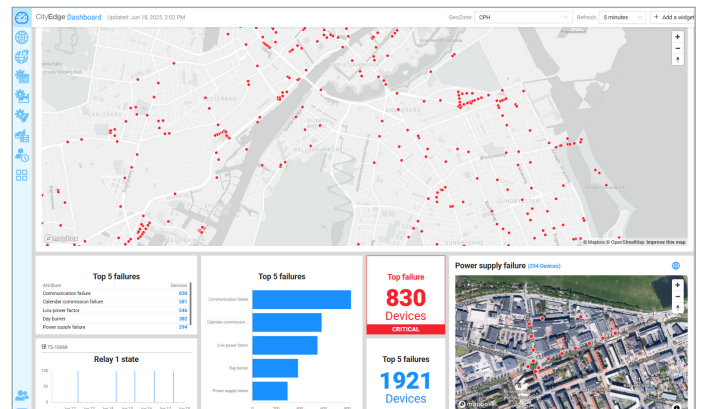


Figure 3: Dashboard view of the current status of the IoT devices and Streetlights

### Support for Open Standards

- » TALQ
- » DALI
- » MQTT
- » UCIFI
- » LWM2M

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