

## ON-SITE

Lighting Management Software

ON-SiTE is an innovative lighting management system. ON-SiTE enables control and monitoring of millions of light points via a friendly web based graphical user interface (GUI).

### System Benefits

#### Energy Savings

Energy savings can be achieved through optimization of the light level, of each and every lighting point. Optimization can be achieved by scheduler profiles, or as real time commands.

#### Maintenance

The interface serves as an information system for the lighting array in cities and roads. The ON-SiTE receives indications of many parameters form the ballast, and can produce reports and warnings per threshold definitions.

## Effective Community Services

Pedestrians, vehicles and other lighting consumers, can enjoy the services of an efficient and quick-response control center, which is focused on both maintenance and optimizing the lighting levels.

## Environmental Quality

Assists in fostering the Green Image initiatives of municipalities, cities and on highways.

## Standards

The ON-SiTE aids in meeting standard requirements:

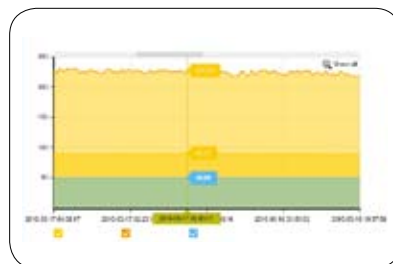
1. CEN EN 13201-2 Road Lighting Part 2: Performance Requirements
2. CIE-115-Recommendations for the Lighting of Roads for Motor and Pedestrian Traffic

## Main features

- **Control** - control, schedules and monitors variable numbers of individual light point and groups through a wide range of commands
- **Mapping** - The dynamic mapping engine (e.g. BirdsEye, 3D) enables simple and user friendly control of the sites and assists in troubleshooting system components
- **Maintenance** - Enables current and historical information on a large variety of data, reflecting the condition of the whole system (lamp, ballast, luminaire)
- **Inventory** - logged data enables reports and comments regarding various activities which were carried out at any light point throughout the system
- **CO<sub>2</sub> Emission** - CO<sub>2</sub> consumption is reduced through dimming. The ON-SiTE reports of the total consumption of CO<sub>2</sub>
- **Reports** - The ON-SiTE enables various types of reports, produced from the SQL database on the central server (e.g. xml, xls, doc.)
- **Customer Complaint** - Visual management and reporting system enables broad overview for management and contacts with end users, for complaints and special requests
- **Billing** - Enables reading of electric usage data, lamp replacement and additional expenses in the lighting system

## System properties

- **Security** - ON-SiTE uses standard encryption algorithms for securing the system operations (SSL, TLS etc')
- **Scalability** - The ON-SiTE may serve a simple solution (comprised of dozens of lighting points), and can scale up to millions of light points
- **Simplicity** - The ON-SiTE GUI is simple and intuitive while providing a rich user experience
- **Extendibility** - The ON-SiTE can be extended to interact with various third party applications



Group Name	Status	Action/Event
1	ON	Lighting Point
2	OFF	Lighting Point
3	ON	Lighting Point
4	OFF	Lighting Point
5	ON	Lighting Point
6	OFF	Lighting Point
7	ON	Lighting Point
8	OFF	Lighting Point
9	ON	Lighting Point
10	OFF	Lighting Point





**▶ ON-SITE (MN)**  
Remote configuration software

The ON-SITE (MN) is an innovative web based configuration software for the EHID MidNight™ ballast for street lighting applications.

With a friendly and flexible GUI - dimming profiles can be remotely transmitted by cellular communication - to thousands of MICO controllers, located in the lighting cabinets - and then forwarded to all the ballasts over the existing power lines. Thus new dimming profiles is stored in the ballasts' memory.

The ON-SITE (MN) displays the last dimming profile of each street in the city. A specific street or a group of streets can be set with new profiles. A scheduler may be configured in advance for special annual/monthly events.

Confirmation of profile transmission can be sent either to the ON-SITE or to a defined cellular phone. Furthermore, authorized cellular phone may transmit new profiles to MICO controllers (using the encrypted code of the ON-SITE).

## Energy Savings

Energy savings can be achieved through optimization of the light level for ballasts groups controlled by the MICO by suiting to the required light level.

## Environmental

Assists in fostering the Green Image initiatives of municipalities, cities and on highways.

## Standards

The ON-SiTE aids in meeting standard requirements:

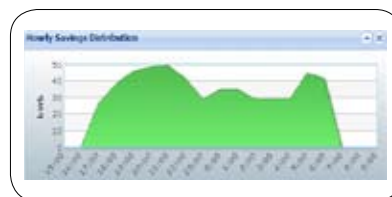
1. CEN EN 13201-2 Road Lighting Part 2: Performance Requirements
2. CIE-115-Recommendations for the Lighting of Roads for Motor and Pedestrian Traffic

## System main features

- **At-a-glance** - A visual dash board window assists in displaying the general state of the lighting system
- **Profile configuration** - User friendly interface for defining and transmitting a new dimming profile to the MICO and the ballasts. The profile can be transmitted to a single MICO or to a user defined group
- **Mapping** - A dynamic mapping module provide an overview of the whole lighting sites
- **Reports** - Reports in varied parameters can be produced from the SQL database from the central server. Current and historical data can be quickly retrieved, for varied formats; e.g. xml, xls, doc.

## System properties

- **Security** - ON-SiTE (MN) uses standards encryption algorithms for securing the system operations (SSL, TLS etc.)
- **Scalability** - ON-SiTE (MN) may serve a simple solution (comprised of dozens of lighting points), and can scale up to millions of light points
- **Simplicity** - The ON-SiTE (MN) GUI is simple and intuitive while still providing a rich user experience
- **Extendibility** - The ON-SiTE (MN) can be extended to interact with various third party applications

A screenshot of the ON-SiTE software interface showing a data table. The table has columns for 'Date', 'Time', 'Light level', and 'Savings'. The data is presented in a grid format.

### Main advantages:

- *Ease of installation*
- *Simplicity - Plug & Play solution*
- *Remote configuration (broadcasting)*
- *Custom made dimming solutions*
- *Totally independent system*
- *Easily reconfigurable at the site*