

An aerial night view of a city, likely Copenhagen, showing a dense urban landscape with illuminated buildings and streets. A river flows through the city, reflecting the lights. The sky is a deep blue with some clouds. The text is overlaid on the image.

CONNECTED

TODAY

FOR

TOMORROW

Smart. Efficient. Sustainable.

CONNECTED 2025

"Light, only as much as is needed and when it is needed"



The environment, energy, climate change and climate protection are more important than ever for humanity. In the field of lighting, this means the further development of energy-saving concepts, future-proof lighting control systems and individual, digital, automated Smart City solutions are becoming increasingly important.

Energy consumption and thus operating costs can be significantly reduced by targeted dimming of LED lights without having to compromise on comfort and safety. In addition to reduced energy consumption, dimming also extends the service life of your luminaires and makes a significant contribution to reducing light pollution.

# Light does not think, but it can

Public lighting ensures a safe and pleasant stay on streets and roads at night. However, lighting can also be used in other areas such as parking lots, production areas, warehouses, etc. Many of these objects are lit constantly at night, without actually having to be.

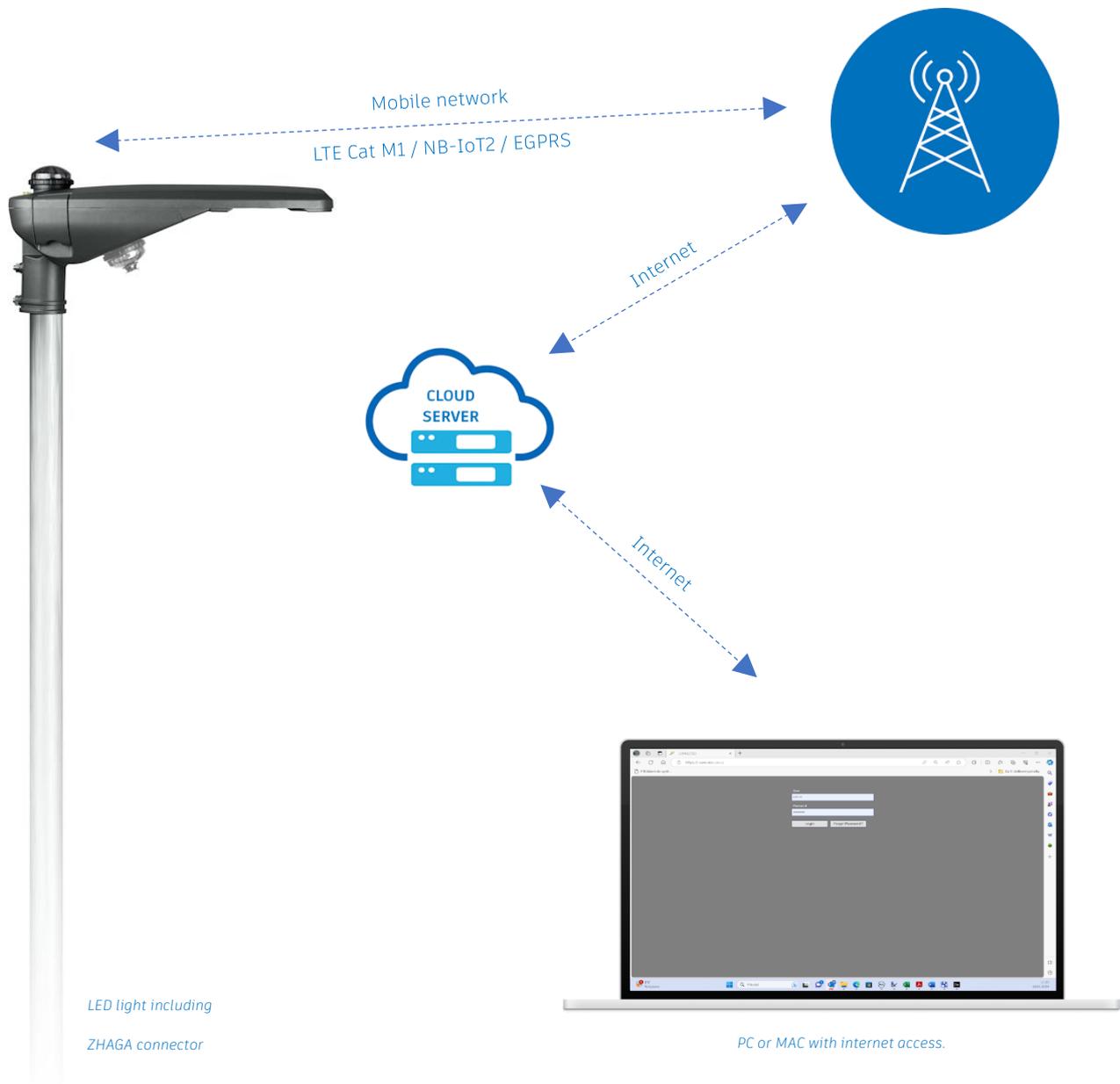
Depending on the ambitions and visions of cities and municipalities, their defined strategies, local requirements, available financial resources, it is possible to transform and modernize public lighting in gradual steps.

The CONNECTED system allows you to ensure the efficient operation of public lighting systems through remote management with the possibility of automating individual processes. With one touch, you have the ability to control your lighting, set energy-saving schedules depending on the type of communication and its use, and thus determine your operating costs.



# Straightforward architecture

Systém **Connected** je založen na jednoduchém principu. Není nutná výstavba žádných vysílačích bodů, složité osazování stávajících rozvaděčů příslušnou technologií. Vše je obsaženo již v HUBu, který se připojí na svítidlo s konektorem ZHAGA a kompatibilním předřadníkem. A Vaše svítidlo je připojeno.



# Your connection is only in the HUB



HUB

HUB  
MOTION

## ALREADY CONNECTED?

Secure communication between the luminaires and the public lighting manager is operated via the mobile operator's network. As standard, the operation is prepaid for a period of 10 years without additional fees. (\* After this period, it can be extended again for a fee.

Změna na nové propojené osvětlení může být postupná. Díky koncepci FUTUREPROOF CITIES je možné jednotlivé technologie osazovat v průběhu času bez obavy, že přípojovací konektory budou již zastaralé. Využijte možnosti sami řídit, nastavovat a spravovat svoje osvětlení a vytvořit tak ještě lepší místo pro život.



\*) Prepaid operation for 10 years is provided together with VISIOCOM luminaires. In case of using luminaires from other manufacturers, prepaid operation is 5 years.

\*\*\*) HUB with integrated SIM includes e-SIM option

# HUB

The basic element of your connected luminaire. With a simple movement, attach the HUB to the ZHAGA connector on the top of the luminaires and you are connected.

You can get all the information about the luminaire via the web application, which is completely free.



## Main features



MESH síť



ASTRODIM



JASOMĚR



SENZOR  
NÁKLONU



VZDÁLENÉ  
OVLÁDÁNÍ



MÍSTNÍ  
OVLÁDÁNÍ



SENZOR  
TEPLOTY

## Optional features



MOBILNÍ  
PŘIPOJENÍ



INTEGROVANÉ  
GNSS



AUTOMATICKÉ  
URČENÍ POLOHY

# HUB-MOTION

An extension element of your connected luminaire. With a simple movement, attach the HUB to the ZHAGA connector on the bottom of the luminaires and you are connected.

You can get all the information about the luminaire via the web application, which is completely free.

## Main features



MESH síť



ASTRODIM



JASOMĚR



SENZOR  
NĀKLONU



VZDĀLENĚ  
OVLĀDĀNĪ



MĪSTNĪ  
OVLĀDĀNĪ



SENZOR  
TEPLOTY



SENZOR  
POHYBU

## Optional features



MOBILNĪ  
PŘIPOJENĪ



INTEGROVANĚ  
GNSS



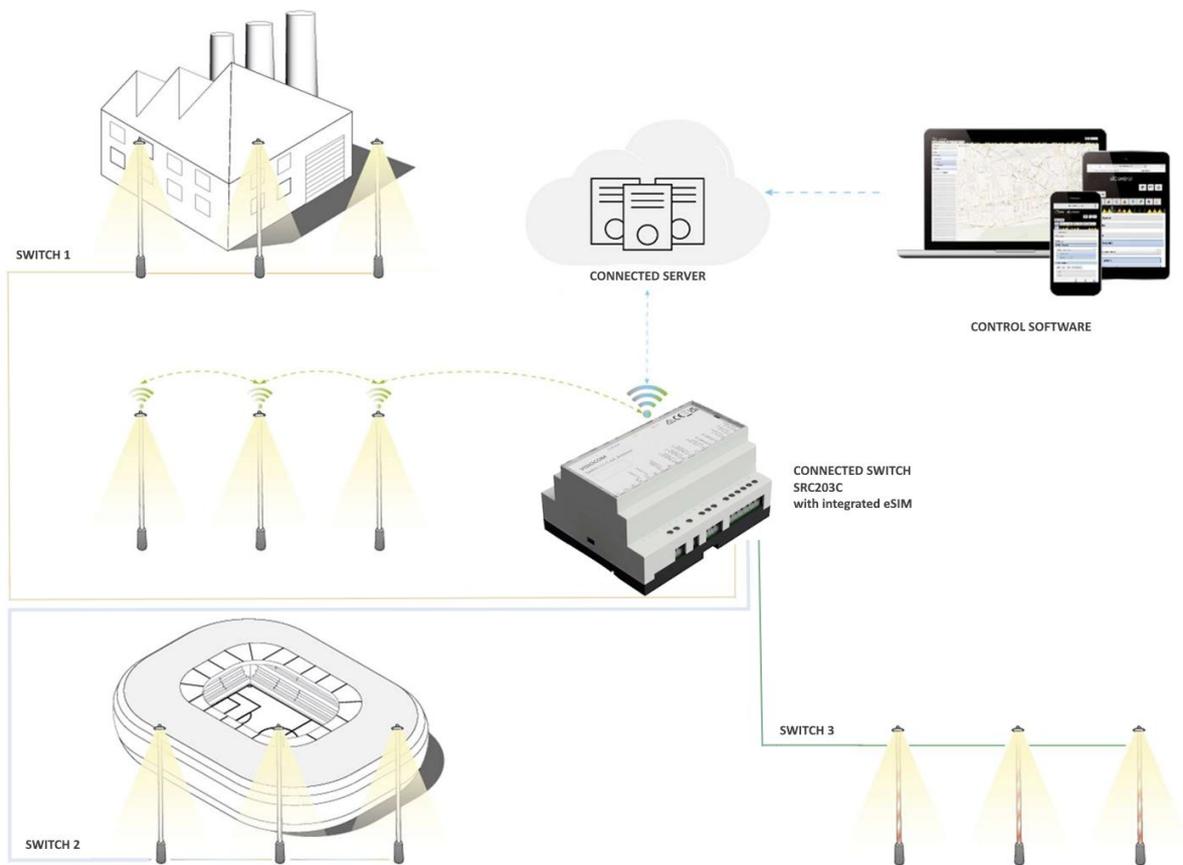
AUTOMATICKĚ  
URĀENĪ POLOHY



*The solution starts with a simple idea – light when needed. Each luminaire is equipped with a motion sensor that registers whether there is movement in the lighting area. If movement is detected, the lighting intensity is automatically increased to a higher level and a message is sent to the next luminaire(s), which also increase their intensity before a pedestrian or vehicle reaches the next luminaire position.*

# SWITCH

Control element for controlling existing luminaires. The Switch allows the connection of luminaires on 3 different phases. The integrated eSIM allows for easy introduction into the CONNECTED system, from where it is possible to switch individual phases of luminaires according to a preset scenario. The Switch also allows the connection of luminaires that have a CONNECTED wireless module and control, set and manage them via the MESH network. As standard, the SWITCH is supplied with a 5-year prepaid service; in the case of using VISIOCOM luminaires, this free period is extended to 10 years.



All settings can be made in a free application, which is always available online. By connecting a smart electricity meter, it is possible to record the consumption of individual powered branches of luminaires.

# EXTENSIONS



## EXPANSION MODULES



### NOISE-SENS

More than just lighting. The noise sensor with integrated eSIM monitors the noise level in the city in real time, contributing to an improved quality of life.



### ENVIROMENT-SENS

The air quality sensor monitors air quality in real time and sends data to the control software via a MESH network.



### METEO-SENS

Weather stations compatible with the CONNECTED management system to provide basic meteorological data.



### RADARSENS

The CONNECTED system offers a large number of PIR or radar sensors with the ability to switch the corresponding luminaires or entire powered branches. The sensors can operate on one or both sides.



### EXTERNAL ZHAGA BOX

A simple solution for connecting devices without a ZHAGA connector to the CONNECTED system.



### EXTERNAL CONTROL BOX

Control your lighting from anywhere without the need to access an online application. Available in a fire, police, rescue service version to turn on the lights at full power in the event of an unexpected event.



### CONNECTED MODULE

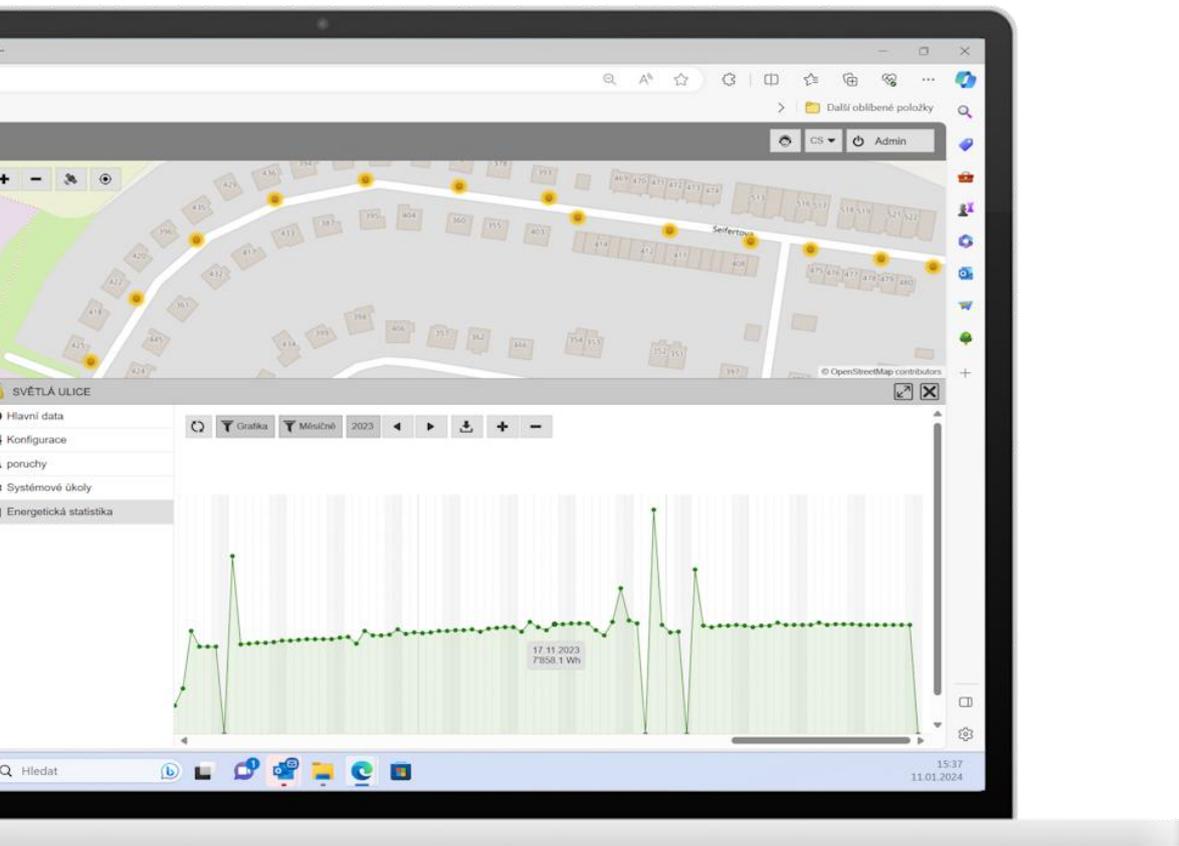
The heart of your other devices, which is required for connection to the CONNECTED system. The module can be integrated into almost all other devices and controlled via an online application.

The CONNECTED system can be supplemented with other devices that allow you to effectively control your lighting system, regardless of whether it is modern luminaires or existing discharge luminaires.

# SOFTWARE

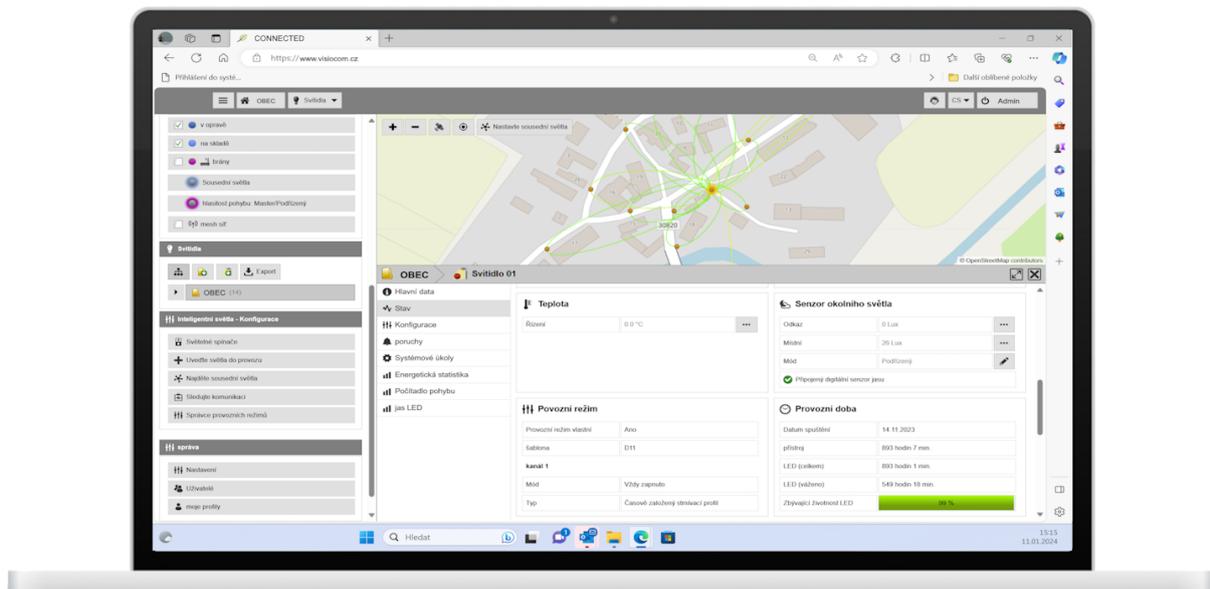
Access to your connected lights and other elements is via a web application, which is FREE. No need for license fees or other hidden payments. Each user with an access password receives various permissions, from the ability to simply view to administrator permissions with the ability to complete adjustments and management.

Through the application, it is possible to make all settings, read the status of the luminaires, have an overview of consumption, adjust the dimming schedule, plan maintenance, etc.



The application can be accessed from both phones and tablets via a web browser.

# INFORMATION IN ONE APPLICATION

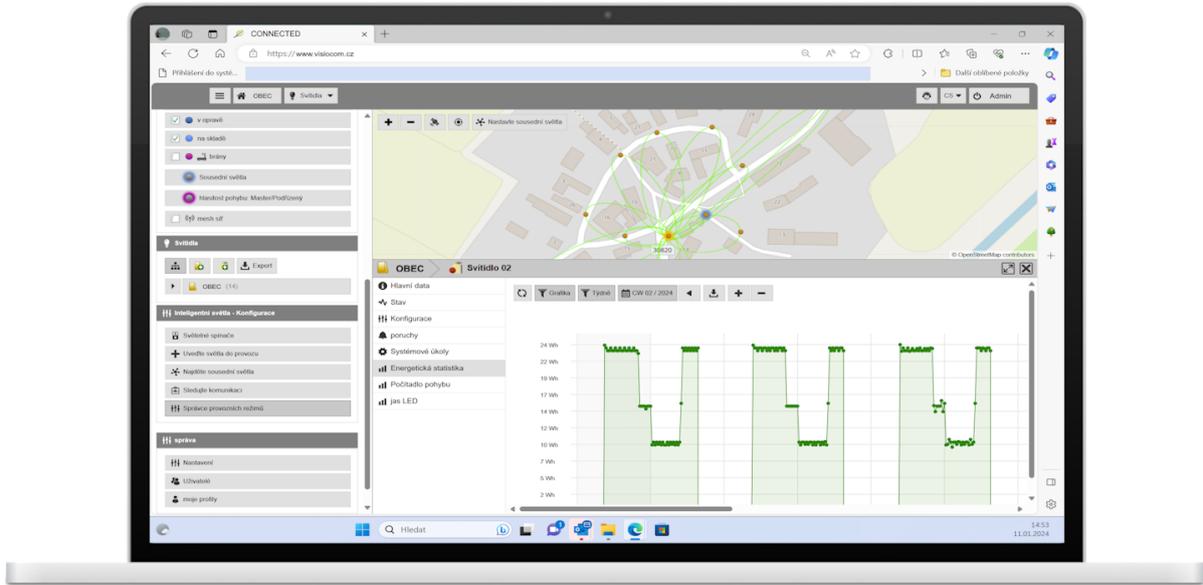


A clear environment allows you to obtain information about all significant events. Access is possible via a web interface. Each user can have different rights, from just viewing to configuring all available parameters.

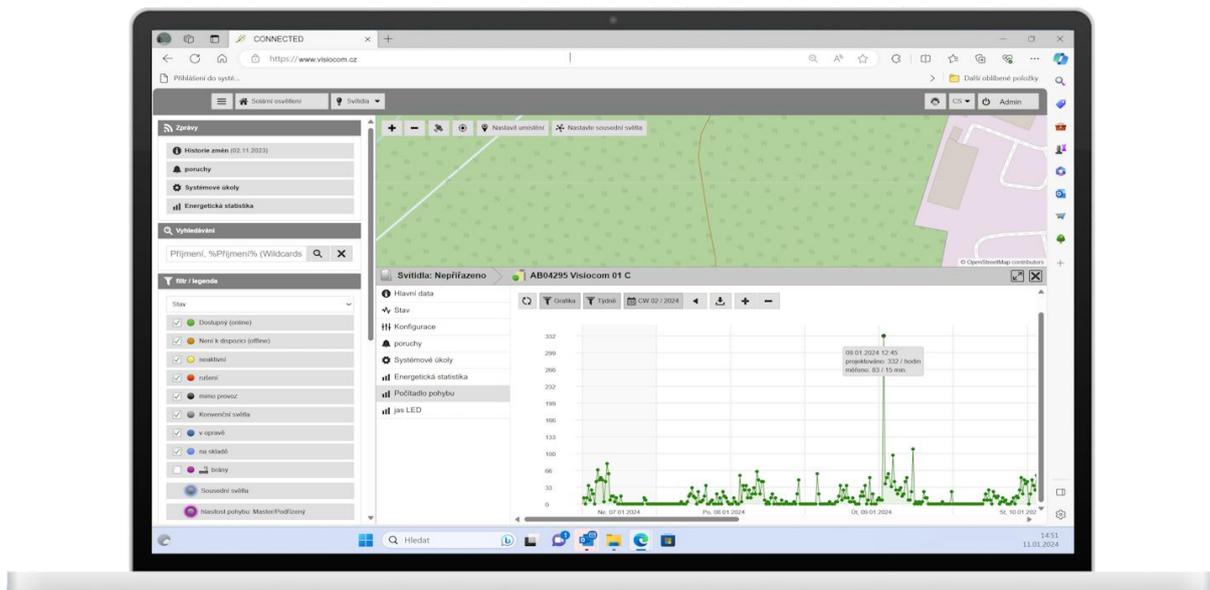
The CONNECTED system allows:

- Remote management of public lighting
- No need to build any transmission points
- Communication takes place via the mobile operator's network
- Overview of public lighting operation - consumption, error messages, number of pedestrians, vehicles
- Setting dimming schedules depending on the type and use of the given communication
- Maintenance overview and planning
- Automatic extension of the luminaire warranty to 10 years

ALREADY CONNECTED?

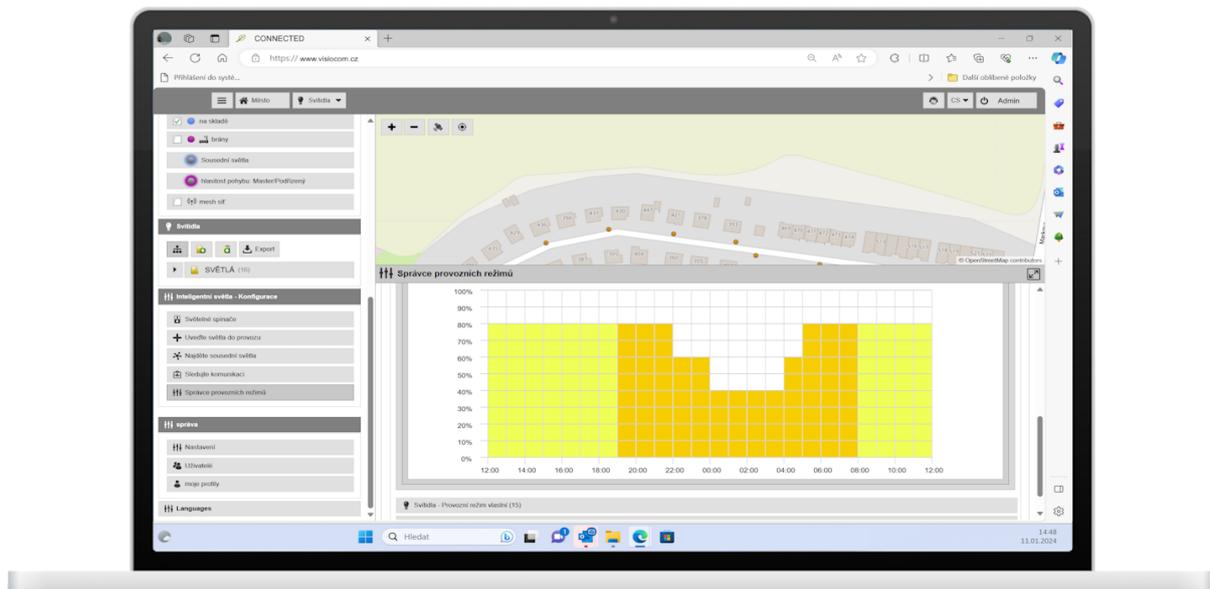


MONITOR CONSUMPTION



MONITOR  
COMMUNICATION LOAD

# SET THE LIGHTING SCHEDULE FOR A LUMINAIRE, A GROUP OF LUMINAIRES OR THE ENTIRE CITY



VISIOCOM SOLAR

## CONNECTED

Check, adjust, and control  
your solar lighting

# CONNECTED

Full control over  
your lighting





# CONNECTED

SNADNÁ CESTA K PROPOJENÉMU OSVĚTLENÍ.  
DNES. PRO BUDOUCNOST.



ALREADY **CONNECTED?**



**VISIOCOM**

FUTURE PROOF LIGHTING

future  
proof  
cities