

A nighttime cityscape featuring a large body of water, a bridge, and various buildings, including a prominent tower. A digital network overlay of blue lines and nodes is superimposed on the scene. A large red circle is positioned on the right side of the image.

siteco

SITECO Connect City

Decide the future today. Intelligent
lighting control for the digitalization
of your municipality.

Intelligent
expansion, control,
and monitoring of
city lighting

with **SITECO**
Connect.



When does the future begin? You decide.

With us you lay the foundation for a future-proof infrastructure. Thanks to Smart Interface, SITECO outdoor luminaires have standardized interfaces that allow the integration of radio-based control and sensor technology via plug & play. And SITECO Connect provides the appropriate function packages for this.

However, when and to what extent you use these options for more efficiency, networking and sustainability is your decision alone. Directly from installation or you can upgrade flexibly when the time is right for you. Your light is ready.

From simple control of individual luminaires to fully networked systems.

- **100 % compatibility** between luminaire, control and sensor technology
- **100 % freedom of choice** thanks to standardized Interfaces (Zhaga Book 18 & D4i or NEMA)
- **100 % future-proof** thanks to expansion options in case of later requirements
- **100 % flexibility** in application – from simple to fully networked
- **100 % comfort** thanks to Plug & Play of radio control systems and sensors





Adjust lighting

In places with changing use, e.g. town and market squares, the lighting **can be automatically dimmed up and down**, for example during events.



Increase safety

Adjusted illuminance levels make critical neighborhoods and streets safer. **Good visibility** is also required for rescue operations. Brighter = safer.



Optimize operation

Central documentation, switching, monitoring and diagnosis of the system **saves costs** and enables targeted planning of maintenance if required.



With SITECO Connect, everyone wins.

Save up to 80 percent on energy costs.. Reduce CO₂ consumption. Monitor the condition of the plant transparently. Increase safety for the population. And do something good for the animal and plant world.

That sounds almost too good to be true. But only almost. Because temporal and situational lighting control with SITECO Connect allows communities, cities and companies impressive usage options that have one bottom line: A lighting solution that benefits everyone.

Protect the climate

Where there is little activity at night, e.g. on rural roads, it is very easy to consciously reduce illuminance levels. This is directly reflected in the **CO₂ balance**.



Reduce costs

Conscious dimming and temporary switching off of the lighting at suitable places save **valuable energy** and **increase the service life** of the luminaire.

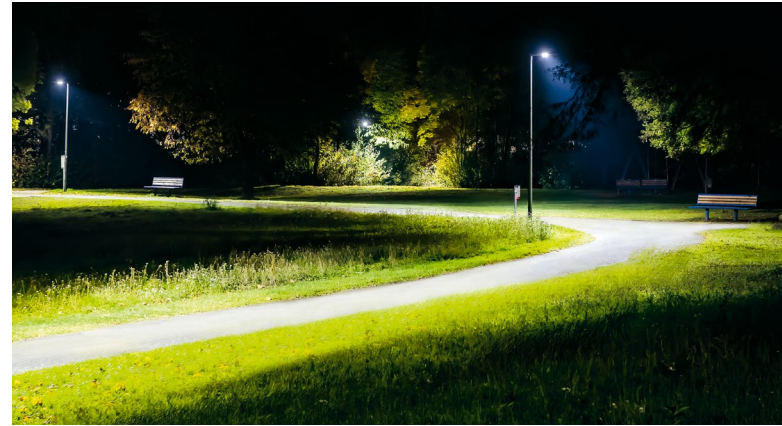


Shaping tourism

Landmarks and architecture worth seeing shape the character of a city. They can be automatically illuminated and create a **pleasant atmosphere**.

Protect animal and plant life

Targeted dimming at night **reduces light pollution**. Especially in parks and nature reserves, nocturnal animals are less disturbed in their natural behavior.



Apply for funding

Modern lighting control makes it easier to implement **environmental guidelines**. This is precisely the prerequisite for applying for **subsidies**.



Reduce vandalism

Only where it's dark can you go undetected. **Motion sensors protect** municipal facilities, sports facilities, and schoolyards.

Simple start, flexible expansion.

100 % flexibility thanks to upgrades.

SITECO Connect 31: Individual luminaires controlled locally

Individual luminaires are switched or dimmed with a local motion sensor.



Example: The motion sensor switches just one luminaire.

SITECO Connect 21: Several luminaires connected locally

Several luminaires are connected via radio.

The network of luminaires communicates with each other and aligns the illumination.

The luminaires are synchronously or successively switched or dimmed.



Example: The motion sensor also switches neighboring luminaires via radio link.

SITECO Connect 11: Several luminaires connected with remote access

The luminaires are connected via radio.

Settings can be defined from the office via the network with remote access and status messages sent automatically.

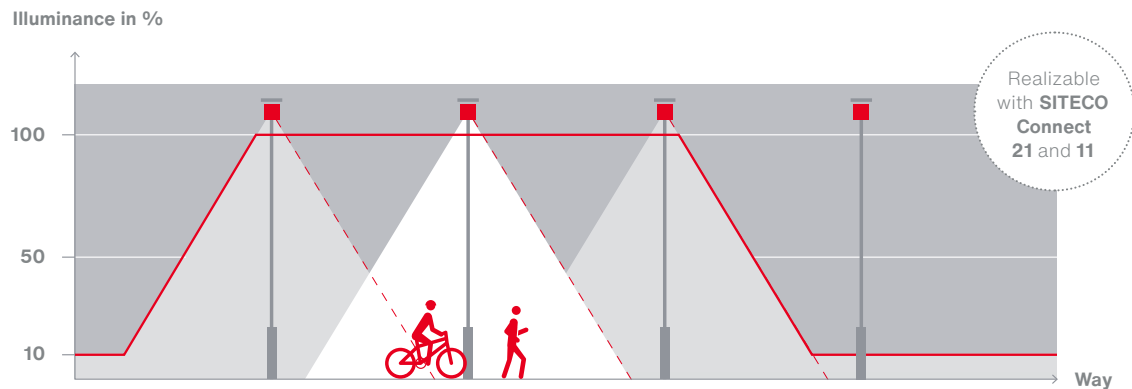
Existing inventory and workflow systems such as luxData from sixData can be used as a master.



Example: The network of luminaires works synchronously and is remotely monitored.

Light that moves us.

As if by magic, the light switches on and accompanies vehicles, cyclists, and pedestrians. Whether accompanying or leading, the key is motion sensors. They dim or change the lighting, exchange information via radio and regulate the brightness in the traffic area. And this not only increases safety on the road.



Situational light supports safety, environmental protection, and cost efficiency.





1

Streetlight SL 11**The undisputed top model in technical streetlighting.**

Modern design with outstanding light for maximum visual comfort thanks to HD reflector technology. Convincingly efficient performance with reliable operation and intelligent control. The SL 11 leads the way.

2

Streetlight SL 21**The backbone of the smart city.**

With its smart, future-proof product concept, this all-rounder serves all urban applications – from cycle paths to multi-lane traffic arteries.

1

2

Our **technical** outdoor luminaires – “Smart City Ready”.



3

Streetlight SL 31

Pragmatic, efficient, well thought out.

Spend less for better light: The SL 31 offers needs-based, long-lasting street lighting, ideal for the pragmatic renovation of old systems.

3

Our decorative outdoor luminaires – “Smart City Ready”.



1

DL® 30

Fresh urban aesthetics.

Decorative with optical guidance along the road. Convincing with precisely fitting light distributions. A pioneering luminaire with all control options.

2

DL® 50

The urban all-rounder.

As a post or cable luminaire with a wide range of variants and modular design, it combines technical and decorative light – precise and glare-free.

3

Bell

Classic style with state-of-the-art LED technology.

Proven form meets innovative inner life including smart operating electronics. Available as complete luminaire in two sizes and LED module for refurbishment cases.

4

Urban luminaires with Module 540

Modular into the future of city lighting.

One module for many applications, efficient and elegant. The special optics with decorative light guidance ensure first-class visual comfort and create atmosphere.



SITECO Connect Wireless Outdoor

SITECO
Smart
Interface:
Now live.



Smart Plugs



Movement Sensor



Product name	Smart Plug Standard	Smart Plug GPS	Movement Sensor Low	Movement Sensor High	Movement Sensor 2 x PIR	Connected Movement Sensor Low	Connected Movement Sensor High	Connected Movement Sensor Radar
Order number	Order number 5EA3AM000001	Order number 5EA3PM000001	Order number 5EA40LL01	Order number 5EA40LH01	Order number 5EA40M000201	Order number 5EA40EL01	Order number 5EA40EH01	Order number 5EA40RC01
	Radio controller	Radio controller with GPS for control by time and calendar	PIR motion sensor for low mounting heights	PIR motion sensor for greater mounting heights	PIR motion sensor with radio controller for wide coverage areas	PIR motion sensor with radio controller for low mounting heights	PIR motion sensor for greater mounting heights	Radar motion sensor with radio controller for wide coverage areas
Mounting height	variable	variable	up to 4,60 m	from 4,60 m to 12 m	from 4 m to 8 m	up to 6 m	from 6 m to 12 m	from 3 m to 8 m
Description	Various setting options for dimming level, overrun time, up / down speed and for networking groups / swarm function Local storage of the switching and dimming calendar for safe operation Configuration via software SL Configurator or SL Control software 100 % Compatibility with Smart Interface, D4i & Zhaga Book 18							
Daylight sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No, but integratable via radio network
Radio	Mesh radio network with a range of up to 150 m in built-up areas, up to 250 m in open areas		-	-	-	Mesh radio network with a range of up to 150 m in built-up areas, up to 250 m in open areas		
Motion detection	-	-	Motion detection up to 7 m radius, restrictable by mask	Motion detection up to 12 m radius, restrictable by mask	Motion detection up to 17 m	Alignable motion detection field with up to 11 m radius	Alignable motion detection field with up to 18 m radius	Motion detection of persons up to 25 m and of vehicles up to 70 m distance
System compatibility	SITECO Connect 11, SITECO Connect 21, SITECO Connect 31		SITECO Connect 11 and SITECO Connect 21 by additional Smart Plug, SITECO Connect 31		SITECO Connect 11 and SITECO Connect 21 by additional Smart Plug	SITECO Connect 11, SITECO Connect 21, SITECO Connect 31		

Operation / Adjustment

Service



USB-Prog-Stick

Order number
5EAU0A000001



Gateway

Order number
5EA1KA000001



Radio button

Order number
5EA30A000D01

Convenient configuration of the lighting depending on time of day, day of week, current movement, movement per time unit and daylight

Radio push-button for individual lighting scenes, e.g. manual switching for rescue operations



SITECO-Service per hour

Order number
5EA0D001S

SITECO-Service per day

Order number
5EA0D001T

Optional service for assembly, commissioning, training

SL Configurator

Adjusting and diagnosing the control system on site

For Windows Operating systems from Windows XP

Wireless connection from laptop to luminaire via USB wireless stick

SL Control

Set, manage, and monitor the controller remotely via a web interface

Gateway for remote access to the lighting system (up to 200 luminaires)

Automatic sending of alarms

Allows luxData from sixData to be used as higher-level management software or as a central inventory management system

Data connection via ethernet or mobile radio

2.4 GHz radio connection to the lighting network
230 V electrical connection

The offer is made to the individual customer

Accessories

License

Gateway Housing

Order number
5EA51E002

Weatherproof housing for the gateway for outdoor mounting

Licence fee monthly

Order number
5EAA00010003

License per gateway

Safe on Campus.

Adaptive light for parks and paths

- motion-controlled campus outdoor lighting
- Low installation effort thanks to radio-based technology without data cables
- Symbiosis of safety and efficiency



Project: Royal Holloway College, London, United Kingdom

Product: SITECO Connect

City Light Plus



Project: City of Aarau, Switzerland

Product: SITECO Connect

Streetlight SL 11

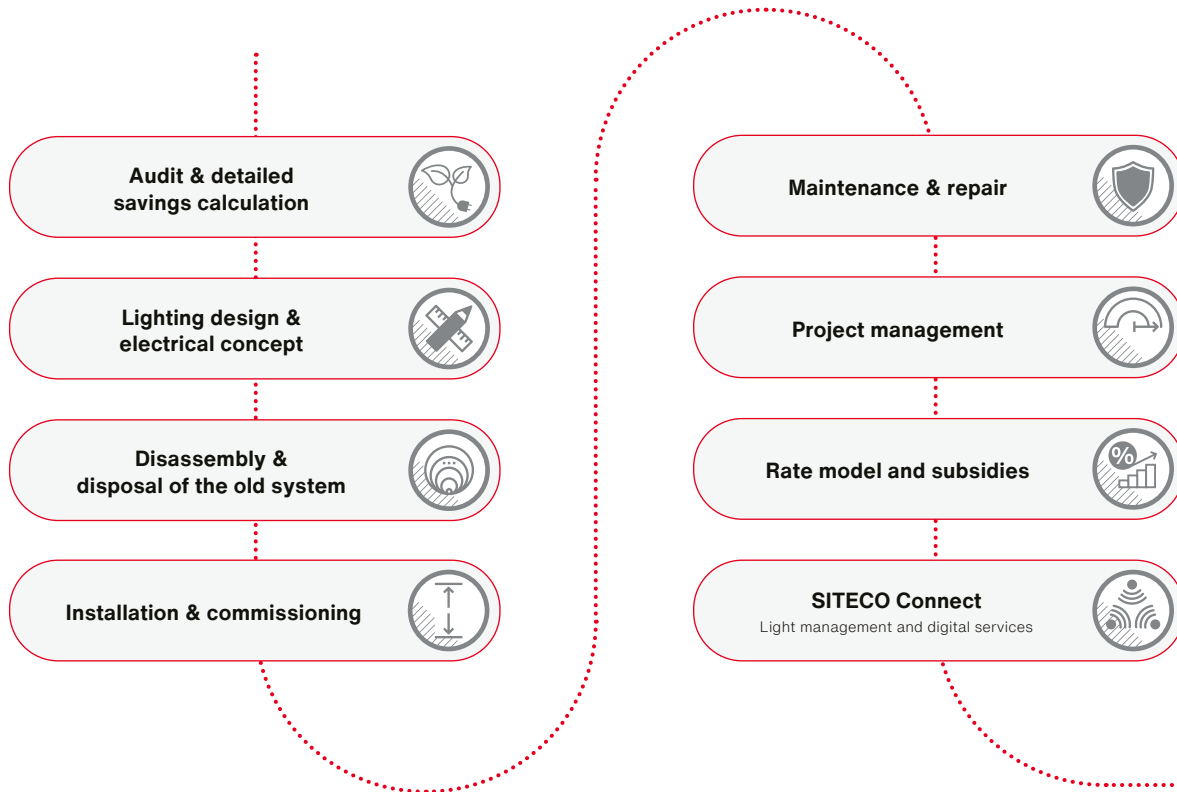
Modern infrastructure.

Pioneering pilot project in innovative municipality

- radio-based, motion-dependent street lighting
- over 30 percent savings compared to LED solution without control system
- low maintenance costs for the municipality with improved environmental protection

SITECO Services

All-round carefree with a strong partner network.



With our service model, you get turnkey solutions from a single source – from planning and installation to maintenance and financing.
The choice is yours: from pure lighting to the “all-round carefree package”.

SITECO is your planning and development partner for every lighting solution.

Contact.

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