

siteco

Control your lighting:
Reduce costs.
Save CO₂.

**SITECO Connect lighting control:
Intelligent, flexible, efficient. A decision
that pays off sooner than you think.**



Why lighting control? Because it pays off.

**Exactly as much light as you need.
Lowers your costs. Protects the climate.**

Motion detection offers straight savings.

Motion sensors provide light wherever it's needed. And they dim down as soon as no one's around anymore.

Daylight doesn't cost a thing.

Letting daylight into your building helps you save: Making the most of natural light means needing less light and therefore using less energy.

Lighting control made simple.

SITECO Connect is intuitive to use. Whether dimming, switching or controlling: The touch panel, push buttons and the smartphone app are effortless to operate.

Daylight utilization
up to

-30%

energy costs

Presence and
motion control
up to

-50%

energy costs

Biological light

HCL^{live}: Human-centric lighting brings the day inside. Easily regulate light color, intensity and dynamics using sensor technology. Always the right light at the right time in the right amount. For more well-being and performance.

How can a control system benefit you? Financially? We'd be happy to find out for you. We come to your location and determine how much you can save.
Register for an energy-savings check: siteco.com/solutions/light-audit





How do I make it happen? We make it easy for you!

We support you from the start of the idea all the way to commissioning your lighting-management system. We'll take care of funding subsidies and financing options. And once your system is up and running, we'll make sure everything is operating smoothly and your energy consumption is as low as possible.

Light audit So you have all the facts you need for making a decision and investing.

- CO₂ savings
- Savings on operating costs
- Investment and payback

Planning So your new lighting system is ideally designed for you.

- Lighting and building management
- Customization

Funding and financing So you receive maximum benefits.

- Funding consultation
- Financing

Technical service So everything on-site runs effectively.

- Installation and commissioning
- Maintenance and servicing

Control station So your operations are always secure.

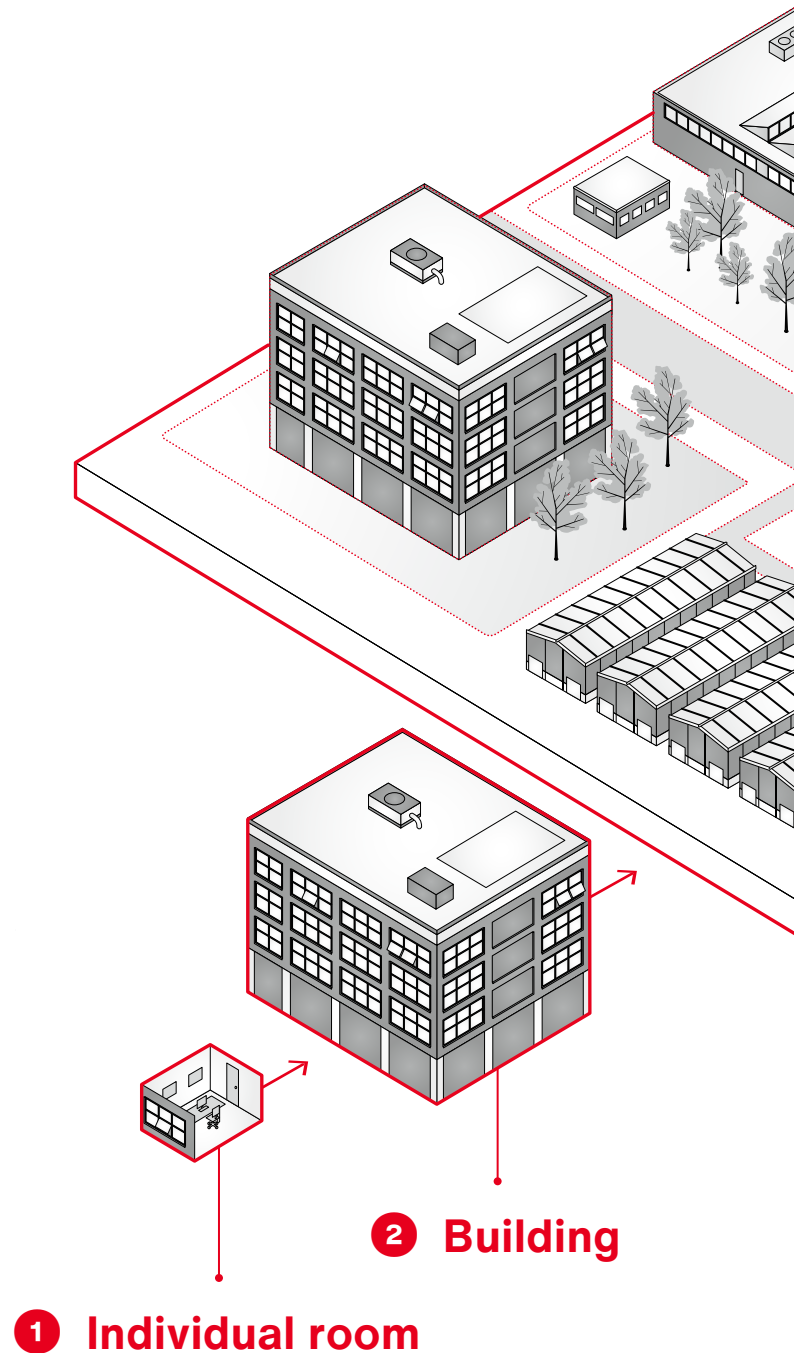
- Remote monitoring
- Trouble-shooting
- Energy-savings monitoring
- Operational management

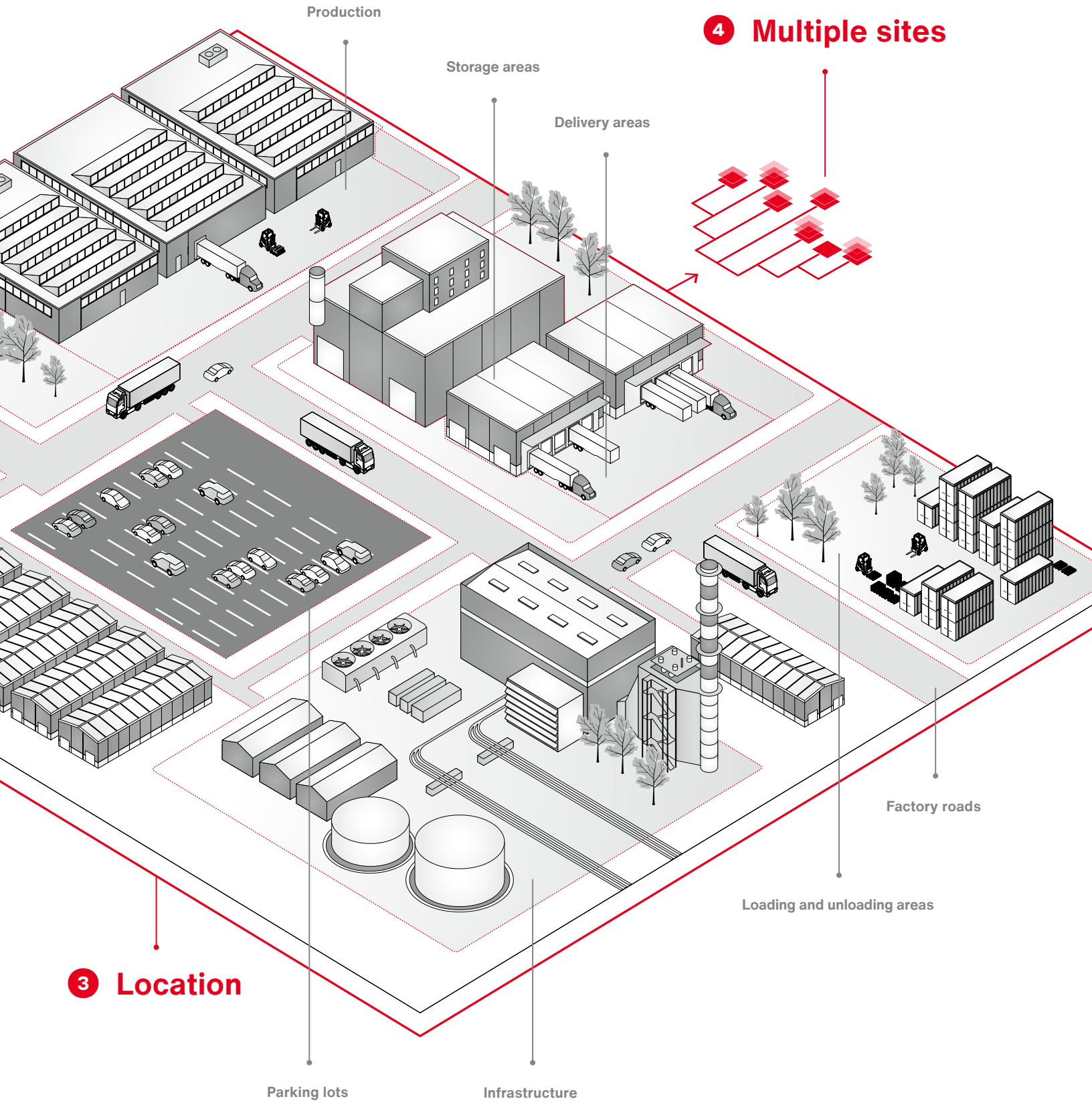
Where is lighting control a good bet? **Everywhere!**

Intelligently control your lighting: You'll see benefits everywhere! In offices and educational facilities, in production and warehouses, in loading and unloading areas, and on company premises. In one local area like an individual office, centrally within a whole building, networked throughout an entire location, or across multiple sites.

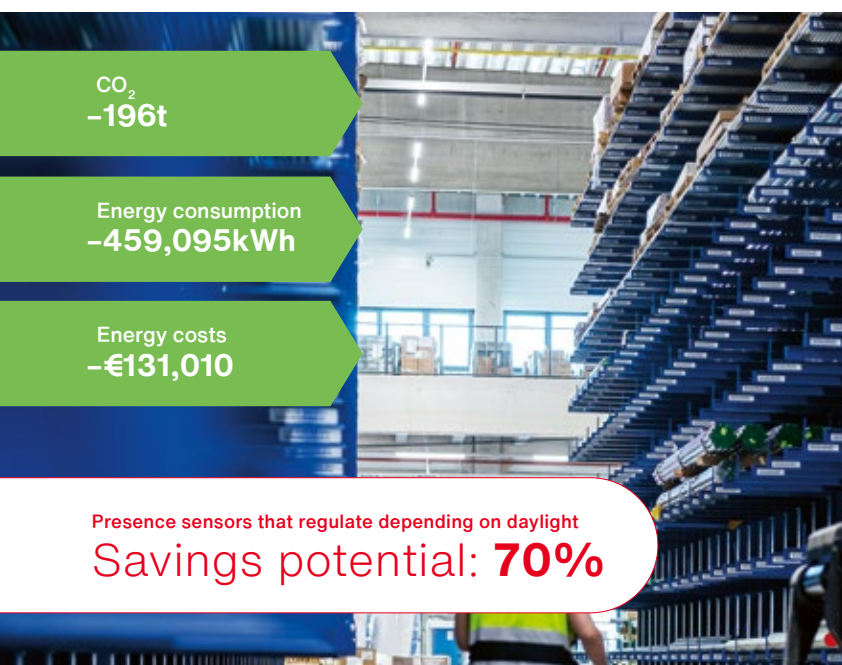
SITECO Connect optimizes every location for you, delivering maximum energy savings while noticeably reducing your costs. This gives you peace of mind to face your future electricity bills.

**SITECO Connect: Equipping you everywhere.
For everything that comes your way.**





How cost-effective are control systems? Here's how you can save with SITECO Connect!



Refurbishment example 1: high-bay warehouse

High-bay warehouse: height of 11m and comprising 50 shelving aisles, each 90m × 3.5m

- Two-shift operation: 4,590 hours/year
- Electricity price: €0.26/kWh
- CO₂ factor: 0.427kg/kWh
- In accordance with DIN EN 12464-1: Eavg = 200lx
- Type of illumination: direct narrow beam

	Old system	New system with SITECO LED	New system with SITECO LED and control system
Luminaire type	2 × 80W T5 ECG	Licross 12,000lm	Licross + SITECO Connect
No. of luminaires	750	600	600
Energy consumption per year kWh	568,015	217,840	108,920
Operating costs per year €	165,615	63,065	31,980
Energy	162,090	62,165	31,080
Maintenance	3,525	900	900
Amortization period in years		2,35	2,10

Savings of
-81% CO₂

-81% savings on operating costs

For additional information, please visit:

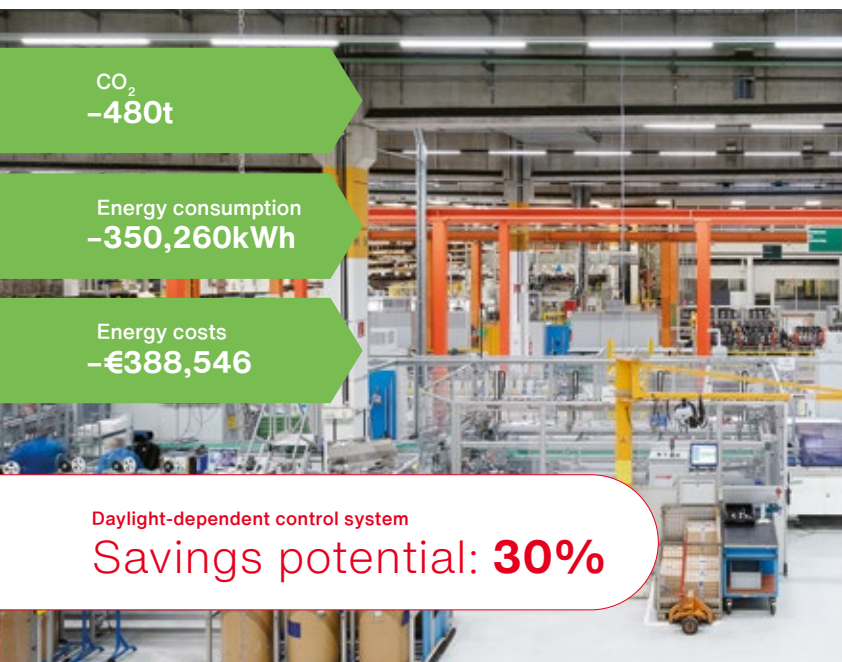
www.siteco.com/solutions/light-and-building-management



Refurbishment example 2: production hall

Production hall: 180m × 100m × 8m and with an installation height of 7.2m

- Two-shift operation: 4,160 hours/year
- Electricity price: €0.26/kWh
- CO₂ factor: 0.427kg/kWh
- In accordance with DIN EN 12464-1: Eavg = 750lx
- Type of illumination: moderately wide beam



CO₂
-480t

Energy consumption
-350,260kWh

Energy costs
-€388,546

Daylight-dependent control system

Savings potential: **30%**

	Old system	New system with SITECO LED	New system with SITECO LED and control system
Luminaire type	4 × 58W ECG	Licross Recessed DALI MB 8,910lm	Licross Recessed DALI MB 8,910lm + SITECO Connect
No. of luminaires	1,530	1,620	1,620
Energy consumption per year kWh	1,387,530	370,660	259,460
Operating costs per year €	426,240	107,710	75,980
Energy	395,950	105,770	74,040
Maintenance	30,290	1,940	1,940
Amortization period in years		1,79	1,67

Savings of
-81% CO₂

-82% savings on operating costs



Refurbishment example 3: open-plan office

Combined office: 400m² and height of 2.8m as well as flexible workstation assignments

- Total operational hours: 2,500/year
- Electricity price: €0.26/kWh
- CO₂ factor: 0.427kg/kWh
- In accordance with DIN EN 12464-1: Eavg = 500lx
- Type of illumination: direct wide beam

	Old system	New system with SITECO LED	New system with SITECO LED and control system
Luminaire type	4 × 18W T8	Silica 21, 3,890lm, with government funding	Silica 21, 3,890lm + SITECO Connect with government funding
No. of luminaires	72	72	72
Energy consumption per year kWh	15,300	4,842	1,453
Operating costs per year €	5,518	1,598	631
Energy	4,366	1,382	415
Maintenance	1,152	216	216
Amortization period in years		3,80	3,47

Savings of
-91% CO₂

-89% savings on operating costs



Analyze your potential now!

Why choose SITECO Connect?
Because it's never before been so worth it!

Can one control system make such a big difference?
 Yes, it really can. Because it always selects the best solution.
 Systematically. Individually. And truly cost-effectively.

	1 High-bay warehouse 15,750m ²	2 Production hall 18,000m ²	3 Open-plan office 400m ²
	Switch T5 to Licross 21	Switch T8 to Licross 21	Switch T5 to Silica 21
Current operating costs per year	€165,615	€426,240	€5,518
Operating costs for new system without control system	€63,065	€107,710	€1,598
Savings through new lighting	€102,550 -62%	€318,530 -75%	€3,920 -71%
Additional savings through control system*	€31,085 -50%	€31,730 -30%	€967 -70%
thereof from motion control	€31,085 -50%		€414 -30%
thereof from daylight control		€31,730 -30%	€553 -40%
Total savings on operating costs	€133,635 -81%	€350,260 -82%	€4,887 -89%
Payback without control system	2,35 years	1,79 years	3,80 years
Payback with control system	2,10 years	1,67 years	3,47 years

* Based on the operating costs of the new plant without control system.

-196t CO₂
-459,095kWh

-480t CO₂
-350,260kWh

-5.9t CO₂
-13,847kWh

Leverage funding subsidies and shorten the amortization period. We'll help you with it!

Double the benefit: Reduce energy costs and thereby lower your total costs.

Contact.

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