

Poseidon[®] Industry

LIGHTING SYSTEM FOR INDUSTRY AND LOGISTICS



**LOW INVESTMENT AND
OPERATING COSTS**

**Up to 80% savings on
lighting. Return on invest-
ment within 12 to 24 months.**

**COMFORT, FLEXIBILITY
& INTEGRATION INTO
BUILDING AUTOMATION
SYSTEMS**

**Simple to install controls.
Easy and quick to change
lighting schemes using
a PC. Ethernet interface
TCP/IP.**



**COMPLEX PROJECT
SUPPORT**

**Lighting plan including the
lighting control system.
Savings and ROI calculation.
Professional technical and
after sales support.**

**Did you know
that 50 %
of all energy
is consumed by lighting?!**

**ADVANTAGE FOR
CERTIFICATIONS LEED,
BREEAM**

**Energy efficient and
sustainable solution for
light management.**

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LIGHTING SYSTEM AND LIGHTING REGULATION DESIGN

The team of experienced specialists and trained sales representatives will work with you to prepare the most suitable lighting scheme and level of light control.

POSEIDON® lighting is designed to meet the valid norms and concrete requirements for lighting, user comfort and safety in production halls, warehouses and logistic centers.



- 1** Wall-mounted/portable switch (transmitter)
- 2** Wireless controller with light sensor and occupancy detector
- 3** Receiver with DALI output
- 4** Ethernet interface

| POSEIDON® Industry | Move | Delux |
|--|------|-------|
| Regulation based on outdoor lighting intensity | | • |
| Light is "on" only when people are "in" | • | • |
| Lighting function corridor | • | • |
| Mounting height up to 12 meters | • | • |
| Maximum flexibility to changes of production and logistic flow | • | • |
| Simple and easy placing of wall mounted and mobile switches | • | • |
| Remote management (configuration) from PC | • | • |
| System includes sensors of temperature, humidity and contact | • | • |
| Delivery of both lighting fixtures and control system | • | • |
| Ethernet interface TCP/IP | • | • |

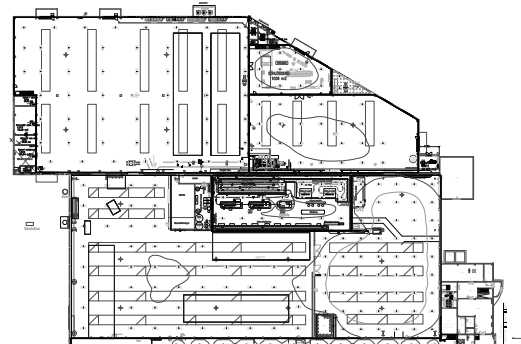


POSEIDON® Industry enables the control of lighting systems consisting of all common types of lights such as fluorescent, LED, halogen and tungsten.

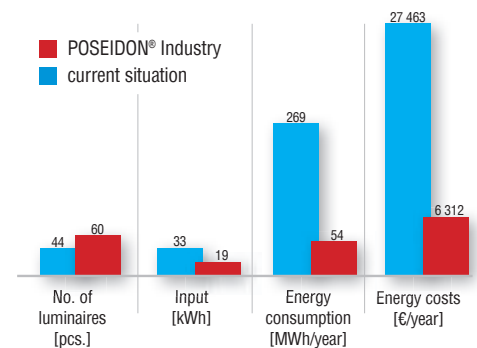


SYSTEM BENEFITS

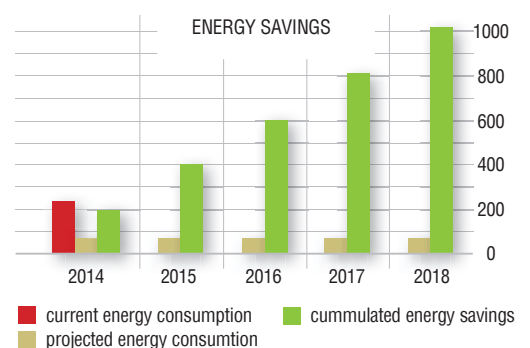
The benefits this system brings are best shown in a typical installation in a warehouse with an area of 6 700 m². The existing 44 pcs of tungsten lamps were replaced by 60 luminaires with integrated lighting control system POSEIDON® Industry. The lighting control includes external light regulator and occupancy detector .



| POSEIDON® Industry warehouse lighting solution | current situation | POSEIDON® Industry |
|--|-------------------|--------------------|
| No. of luminaires [pcs.] | 44 | 60 |
| Input [kWh] | 33 | 19 |
| Energy consumption [MWh/year] | 269 | 54 |
| ENERGY COSTS [€/year] | 27 463 | 6 312 |



| POSEIDON® Industry savings, ROI, investment costs | |
|---|-------------|
| Investment costs | 24 061,2 € |
| ROI | 1.1 year |
| Costs savings per year | 77 % |
| Energy savings per year | 207 283 kWh |



Investment costs include lighting management system POSEIDON® Industry and an especially developed fluorescent tube industrial luminaires with integrated wireless DALI receiver.

The projects main benefits include costs and energy savings, fast returns on investment and also the increase of safety and comfort of the workers due to the improved lighting conditions. The amount of reduced CO₂ emissions accounts to 237,5 tones annually.

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BUILDING OWNER/ FACILITY MANAGER

- Up to 80% lower lighting costs
- Easy to configure and expand
- Instant changes to lighting schemes (reconfiguration) using the POSEIDON ASISTENT software
- Mounting height 12 m

INVESTOR/ DEVELOPER

- Low investment and running costs
- Return on investment 12 to 24 months
- Ideal for reconstructions and upgrades
- Delivery of luminaires with control system

ARCHITECT AND DESIGNER

- Lighting plan preparation
- Online technical and design support
- Full CAD support
- Switches in ABB designs
- Custom design mobile switches

SYSTEM INTEGRATORS

- Wireless light, movement, temperature and humidity sensors
- Open communication interface
- Easy to integrate into building automation systems

USERS OF PREMISES

- Securing compliance with lighting standards
- Easy operation with prevention of human errors
- Increased level of safety due to the corridor function
- Comfortable and safe working environment



...a unique
combination of
**savings,
flexibility**
and user comfort.



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