⊝ POSEIDON®Industry

BUILDING OWNER, FACILITY MANAGER

- Easy to configure and expand
- Instant changes to lighting schemes (reconfiguration) using the POSEIDON® Asistent software
- Mounting height up to 18 m
- Complex offer and delivery of luminaires with control system

INVESTOR, DEVELOPER

- Low investment and running costs
- Return on investment 12 to 24 months
- Up to 80 % lower lighting costs
- Ideal for reconstructions – savings on cabling

ARCHITECT, DESIGNER

- Lighting plan and control system design
- Online technical and design support
- Full CAD support
- Custom design switches

SYSTEM INTEGRATOR, LIGHTING MANUFACTURER

- Wireless light, movement, temperature, flooding, humidity, CO_2 and contact sensors
- Open communication interface for easy integration into building automation systems
- Ambient temperature monitoring
- Direct integration of control system in the luminaires

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

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⊝ POSEIDON® Industry

LIGHTING CONTROL SYSTEM FOR INDUSTRY AND LOGISTICS

LOW INVESTMENT AND OPERATING COSTS

- Up to 80 % savings on lighting
- Return on investment within 12 to 24 months
- Increasing lifetime of LED luminaires

FLEXIBILITY, COMFORT AND SAFETY

- Simple to install controls
- Visual control and monitoring interface
- Prevention of work related injuries and accidents

INTEGRATION INTO BUILDING AUTOMATION SYSTEMS

- Ethernet interface TCP/IP, Data logger
- Energy and temperature monitoring
- Luminaire integration into BMS

COMPLEX PROJECT SUPPORT

- Lighting plan including the design of lighting control system
- Calculation of savings and ROI
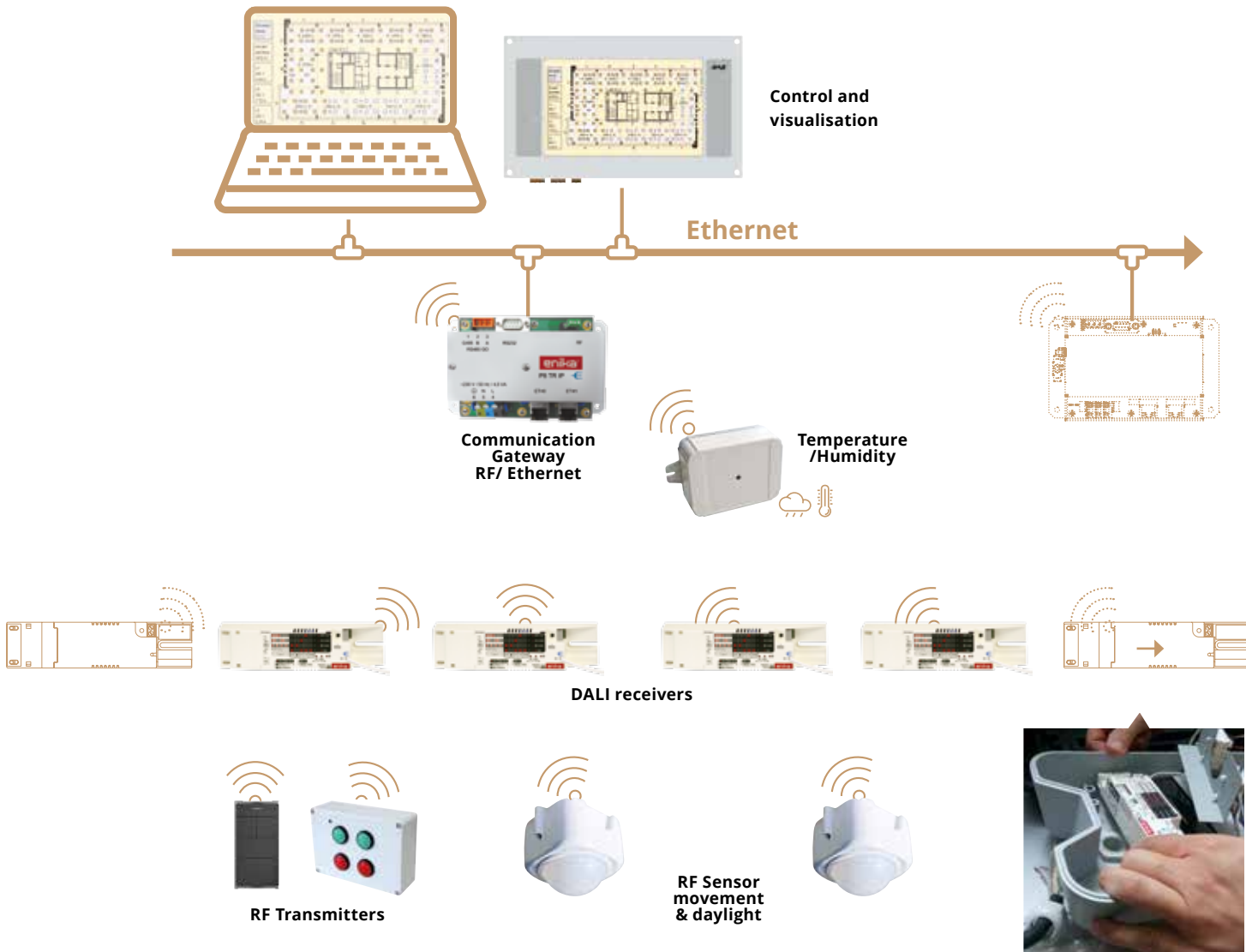- Professional technical and after sales support

EXCELLENCE IN LIGHTING CONTROL

POSEIDON®
INDUSTRY

Control and visualisation

Ethernet

Communication Gateway RF/ Ethernet

Temperature /Humidity

DALI receivers

RF Transmitters

RF Sensor movement & daylight

Control system POSEIDON® Industry is energy-efficient solution for wireless lighting control, energy and temperature monitoring with visual an easy to customize control interface and archiving system.

Wireless sensors monitor temperature, humidity, presence, light intensity, air quality, but also the current position of jalousies, outdoor blinds, windows, doors and provide inputs to control systems in order to ensure energy efficient, comfortable and safe operation of the building.
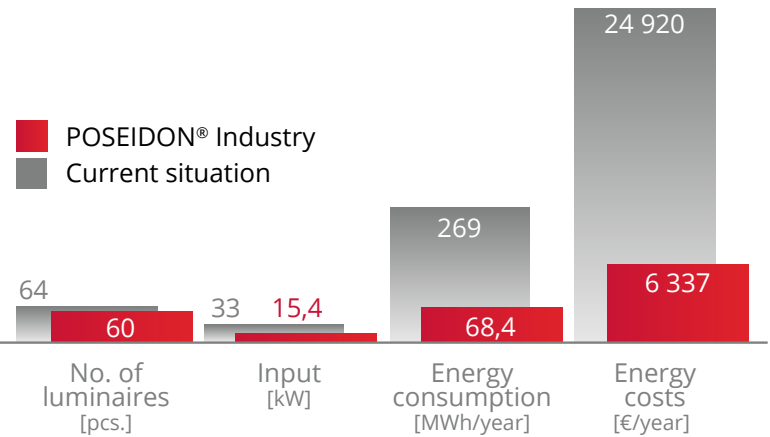
POSEIDON® Industry provides excellent results for installations of any size. It can be used for lighting control of a particular section of a warehouse, of the logistic center or even of the entire manufacturing complex.

1. Wall-mounted/portable switch (transmitter)

2. Wireless controller with light sensor and occupancy detector

3. Receiver with DALI output – integrated im LED lighting

4. Ethernet interface TCP/IP

5. Industrial touch panel for lighting control

CASE STUDY BENEFITS OF LIGHTING CONTROL

The benefits this system brings are best shown in a typical installation in a warehouse with an area of 6 700 m². The existing 64 pcs of tungsten lamps were replaced by 60 LED luminaires with integrated lighting control system POSEIDON® Industry. The lighting control includes daylight regulators and occupancy detectors.

Legend:
- POSEIDON® Industry (red)
- Current situation (grey)

	No. of luminaires [pcs.]	Input [kW]	Energy consumption [MWh/year]	Energy costs [€/year]
Current situation	64	33	269	24 920
POSEIDON® Industry	60	15,4	68,4	6 337

Investment costs

Investment costs include lighting control system POSEIDON® Industry and an intelligent high bay LED luminaires with integrated wireless DALI receiver.

POSEIDON® Industry – savings, investment costs, ROI	
Investment costs	35 502 €
ROI	1,9 years
Costs savings per year	74,6 %
Energy savings per year	220 698 kWh