

LIGHTING CONTROL SYSTEM FOR OFFICE BUILDINGS

BUILDING OWNER, FACILITY MANAGER

Easy configuration of the system
Easily expandable
Instant changes of lighting schemes (reconfiguration) using the POSEIDON[®] Asistent software



INVESTOR, DEVELOPER

60 % savings on lighting
Return on investment within 3 years
Ideal for reconstructions of office and historical buildings
Support LEED and BREEAM certification



ARCHITECT, DESIGNER

Wide portfolio of design switches
I-glass RF switches and ABB switches
Solution suitable for any stage of a project
Full CAD support
Online technical and design support



SYSTEM INTEGRATOR

Wireless light, movement, temperature, flooding, humidity, CO₂ and contact sensors
Open communication interface for integration
Easy integration into building management systems (BMS/BAS)



USERS OF PREMISES

In compliance with lighting standards
Comfortable and safe working environment
Easy operation with prevention of human errors
Flexibility of lighting to changes of interior layout



LOW INVESTMENT AND OPERATING COSTS

Up to 60 % savings on lighting
Return on investment within 3 years
Increasing the lifetime of the LED luminaires

COMFORTABLE AND FLEXIBLE SOLUTION OF INTERIOR LIGHTING

Simple to install switches and simple to change their location
Easy and quick to change lighting schemes using a PC
Improved working environment

EASY INTEGRATION INTO BUILDING AUTOMATION SYSTEMS

Ethernet interface TCP/IP
Wireless transmission of the temperature, humidity, air quality, light intensity and the contact's status
Complex building automation solution

ADVANTAGE FOR LEED AND BREEAM CERTIFICATIONS

Energy efficient and sustainable solution for lighting and shading control supporting LEED and BREEAM certifications of sustainable buildings

POSEIDON® OFFICE



LIGHTING CONTROL SYSTEM FOR OFFICE AND COMMERCIAL BUILDINGS

Control system POSEIDON® Office is a user-friendly and energy-efficient solution for wireless lighting and shading control within building automation systems.

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 save operation of the building.

Our building automation concept uses synergies of both wired and wireless control technologies. It provides safe, efficient, and comfortable control of any type or size of a commercial building. The building operators benefit from an easy to customize visual control interface.

- 1 Wall-mounted/portable switch (transmitter)
- 2 Wireless controller with light sensor and occupancy detector
- 3 Receiver with DALI output
- 4 Ethernet interface TCP/IP
- 5 Receiver for window blinds control
- 6 Touch panel for lighting control

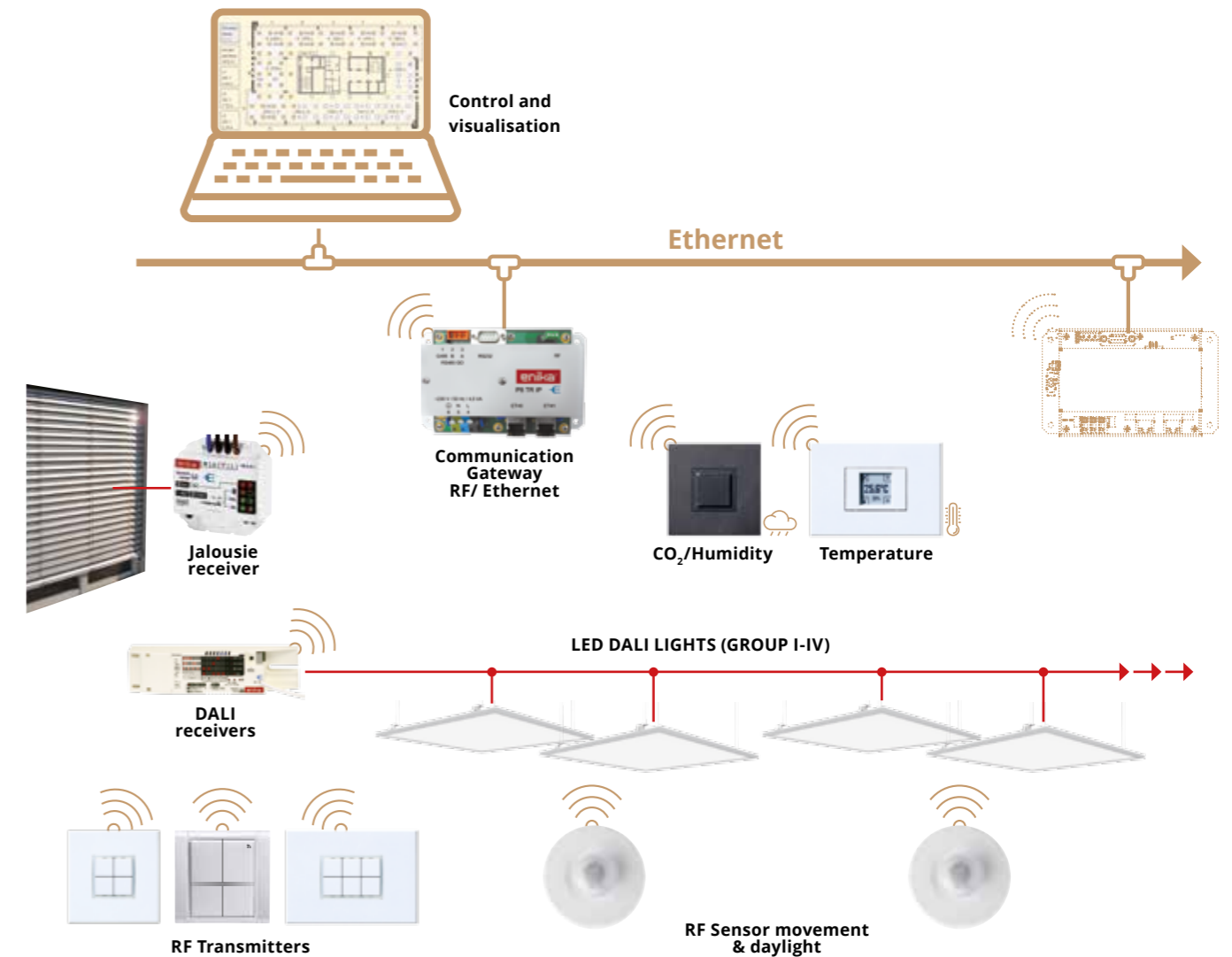
CASE STUDY BENEFITS OF LIGHTING CONTROL

The case study documents the benefits of the POSEIDON® Office control system for the LED office lighting. The selected part of a office building – a floor with an area of 500 m² is used.

The light planning for the selected floor was done for LED DALI light fittings. The POSEIDON® Office control system includes button controls, daylight dimming and movement detection.

Current lighting: 118 pcs. fluorescent light fittings 72 W (4 tubes 18 W)

LED light fittings: 118 pcs., DALI dimmable 38 W



ENERGY CONSUMPTION

