

Integrated lighting solutions as component of a holistic building automation

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ecological aspects  
economical aspects  
sociocultural aspects

**build sustainable**



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air quality  
temperature  
sound  
light

## environmental influences



integrated lighting  
solutions can help  
saving energy at the  
same time increasing  
comfort



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# the variables of the lighting system



brightness

shading

presence

temperature

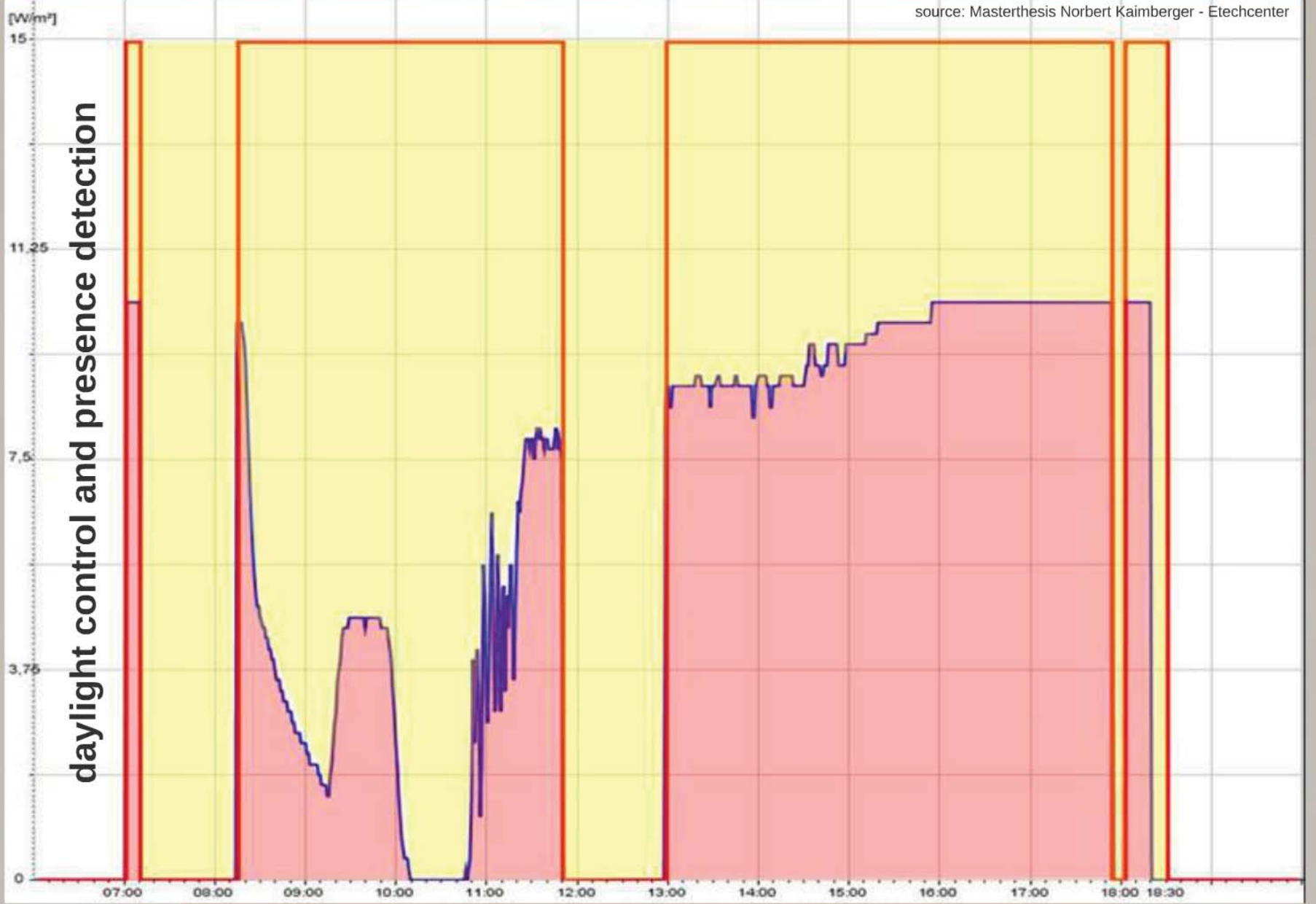
location

time

control

weather





daylight control and presence detection

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## **New Building Automation Technology**

# holistic automation

flexible

open for new technologies

open for foreign systems



Modbus RTU

Dimming

SMI

RS232/RS485

EIB/KNX

EnOcean

d&a I/O

PWM

LON

DALI

DMX



## Beckhoff New Automation Technology



IPC



Automation



I/O



Motion

## **Beckhoff** Automation Company

Headquarter: Verl, Germany

Staff worldwide: 2500

Turnover: € 440 Mio.

Distributors worldwide: in more than 60 countries

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