



# FROM ONE SOURCE

6 technologies, 1 partner, all options

MADE IN GERMANY

[www.rp-group.com](http://www.rp-group.com)

**RP GROUP**  
SOLUTIONS IN SAFETY + LIGHTING

## INNOVATIVE LIGHTING SOLUTIONS DEVELOPED IN GERMANY – THROUGH INVENTIVE SPIRIT, QUALITY AND SERVICE.

For over 45 years, RP-GROUP has been synonymous with pioneering solutions in emergency and safety lighting.

As a German manufacturer with our own development and production facilities, we combine technical innovation, design quality and reliable standards expertise – for lighting systems that make safety visible.

### WHAT DISTINGUISHES US:

- **45 years of experience**  
In development and application
- **53 own patents**  
Innovation out of conviction
- **Made in Germany**  
Development and production in Germany
- **Excellence in Product quality**  
Confirmed by TÜV certificates
- **Five times certified management system**  
(ISO 9001, 14001, 50001, 45001, Sustainable building QNG)
- **Planning and standards expertise**  
At the highest level
- **Active participation in standardization committees**  
through membership in ZVEI / BHE
- **Design-Awards**  
For outstanding product design
- **Sales- and partner networks in 25 countries**
- **Export ratio over 50%**  
Internationally recognised
- **Extended warranty of 5 years**  
On selected products
- **Luminaires for special requirements**  
E.g., high protection rating, HACCP certification, low-temperature battery



**4.000**  
PRODUCTS

Emergency and safety lighting

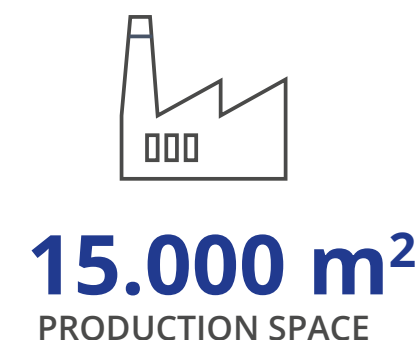
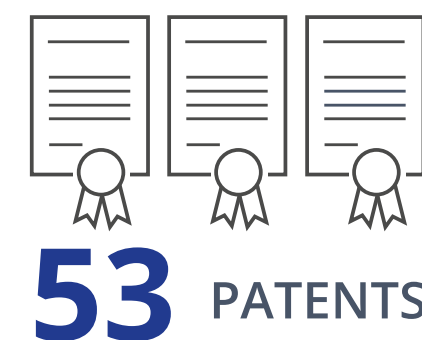
Photovoltaics

Smart wireless light control

Batteries / Battery monitoring

Centralised and decentralised power supply systems

The RP Group is innovation leader in wireless emergency lighting systems.



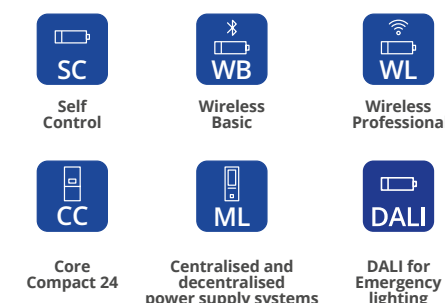
**5x**  
CERTIFIED  
QUALITY



**45**  
years  
KNOWLEDGE

Owner-managed since beginning with headquarters in Germany

**6** TECHNOLOGIES



**4** DESIGN-AWARDS



**TOP**  
GROWTH





## FROM ONE SOURCE

6 technologies, 1 partner, all options

SC

### SELFCONTROL Self-contained luminaire with integrated automated self-testing module

The simple solution for  
small projects.

Quickly installed and immediately  
available – ideal for use in existing  
installations.

DALI

### DALI Intelligent emergency lighting

Centralised control of wired  
self-contained luminaires  
through networking.

With a DALI interface, self-con-  
tained luminaires can be cent-  
rally monitored and integrated  
into building automation sys-  
tems. Connected to your own  
DALI control unit, this creates a  
power-ful and high-perfor-  
mance solution.

WB

### WIRELESS BASIC Wirelessly networked self-contained luminaires

The smart solution for many  
small locations.

Easy to install on site and centrally  
monitored via mobile device –  
ideal for chain stores, local autho-  
rities and operators with multiple  
properties.

WL

### WIRELESS PROFESSIONAL Wirelessly monitored emergency lighting system

The powerful solution for  
demanding buildings.

Full functionality without com-  
plex cabling – even where clas-  
sic systems reach their limits.  
Interaction with external sys-  
tems is possible via a switching  
box (I/O).

CC

### CORECOMPACT 24 24-V-LOW-POWER-SYSTEM

The flexible solution for  
decentralised concepts.

Suitable for use in individual  
fire compartments, with redu-  
ced installation effort, less E30  
cable material and long-life and  
low-maintenance LiFePO4 bat-  
tery.

ML

### CENTRAL POWER SUPPLY SYSTEMS

The sustainable solution  
for large projects.

Complete flexibility in size, per-  
formance, and system design.  
Combinable with substations,  
the system offers unlimited  
possibilities.

# LIGHTLINX®

RP



## LIGHTLINX® – ANYWHERE, ANYTIME, UP-TO-DATE.

THE RP-ONLINE PORTAL FOR ALL SYSTEMS.

LIGHTLINX® is RP-Technik's web portal that provides an overview:  
Wherever your projects and installations are located: configurations, system  
status, test logs - LIGHTLINX® lets you keep track of everything.

- RP emergency lighting systems store their configuration and test logs in the LIGHTLINX® Cloud.
- The LIGHTLINX® portal displays all information and actively notifies users of changes.
- Installations can be filtered and sorted by system status, region, etc.
- Ideal for planning maintenance trips and documentation from the office.



## SELF-CONTAINED LUMINAIRES WITH SELFCONTROL

- Emergency exit signs in various designs
- Safety lights for all conceivable mounting requirements (recessed or surface-mounted)
- Self-contained emergency exit signs or safety luminaires with integrated battery



Exit sign A-series



Safety luminaire E-series



Example of a restaurant with virtual fire compartments



## SELF-CONTAINED LUMINAIRES WITH DALI-INTERFACE

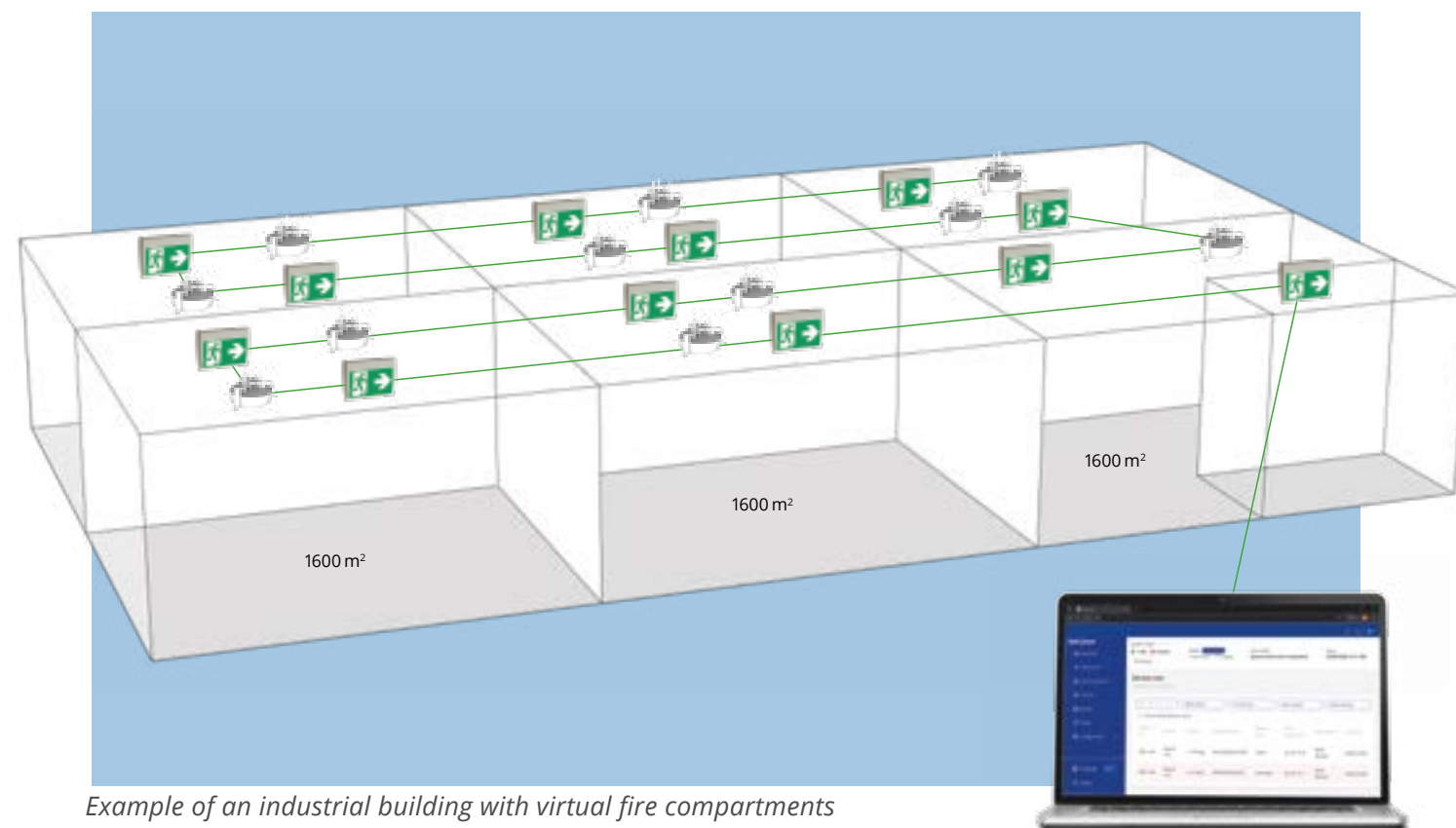
- Emergency exit signs in various designs
- Safety lights for all conceivable mounting requirements (recessed or surface-mounted)
- Self-contained emergency exit signs or safety luminaires with integrated battery
- Seamlessly integrated into existing building management systems
- Automatic test log in the DALI control unit
- Connection to the LIGHTLINX® Cloud is in preparation



Exit sign PM-series



Safety luminaire PXDL-series



Example of an industrial building with virtual fire compartments





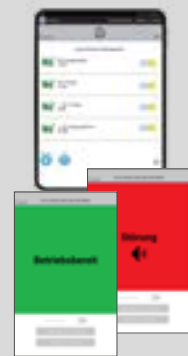
## RADIO-CONTROLLED EMERGENCY LIGHTING WITH WIRELESS BASIC

- Low installation and overall costs
- Luminaires communicate with each other via Bluetooth
- Reduced energy consumption (luminaires can be switched on/off according to a schedule or manually)
- Network: Wireless Basic 2.4GHz / Bluetooth
- Central setup and maintenance via tablet or smartphone (Android or iOS)
- Storage of all relevant data and test logs in the cloud (LIGHTLINX®)



Connect to the lighting network using the Wireless Basic app on an Android or iOS device and enjoy enhanced ease of use.

The status of your lights is displayed centrally in the app.



Wireless luminaire monitoring and control with Wireless Basic



## RADIO-CONTROLLED EMERGENCY LIGHTING WITH WIRELESS PROFESSIONAL

- Low installation and overall costs
- Up to 1,000 luminaires per control unit
- Luminaires communicate with each other via integrated modules
- Reduced energy consumption (luminaires can be switched on/off according to a schedule or manually)
- Wireless Professional 868MHz network
- Storage of all relevant data and test logs in the cloud (LIGHTLINX®)



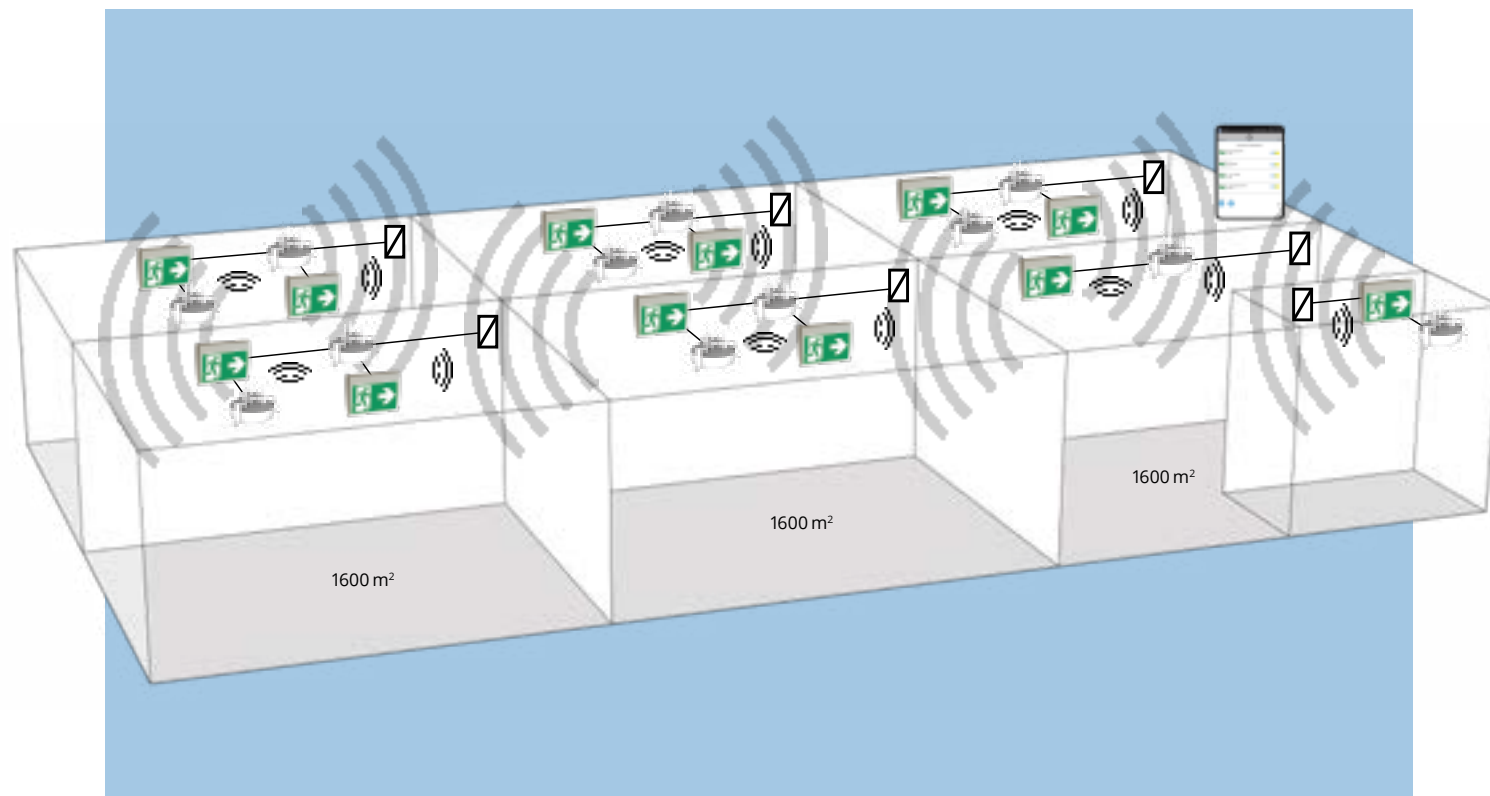
### WLZENT04

Wireless Professional Control Unit based on a Linux industrial PC with an intuitive user interface.

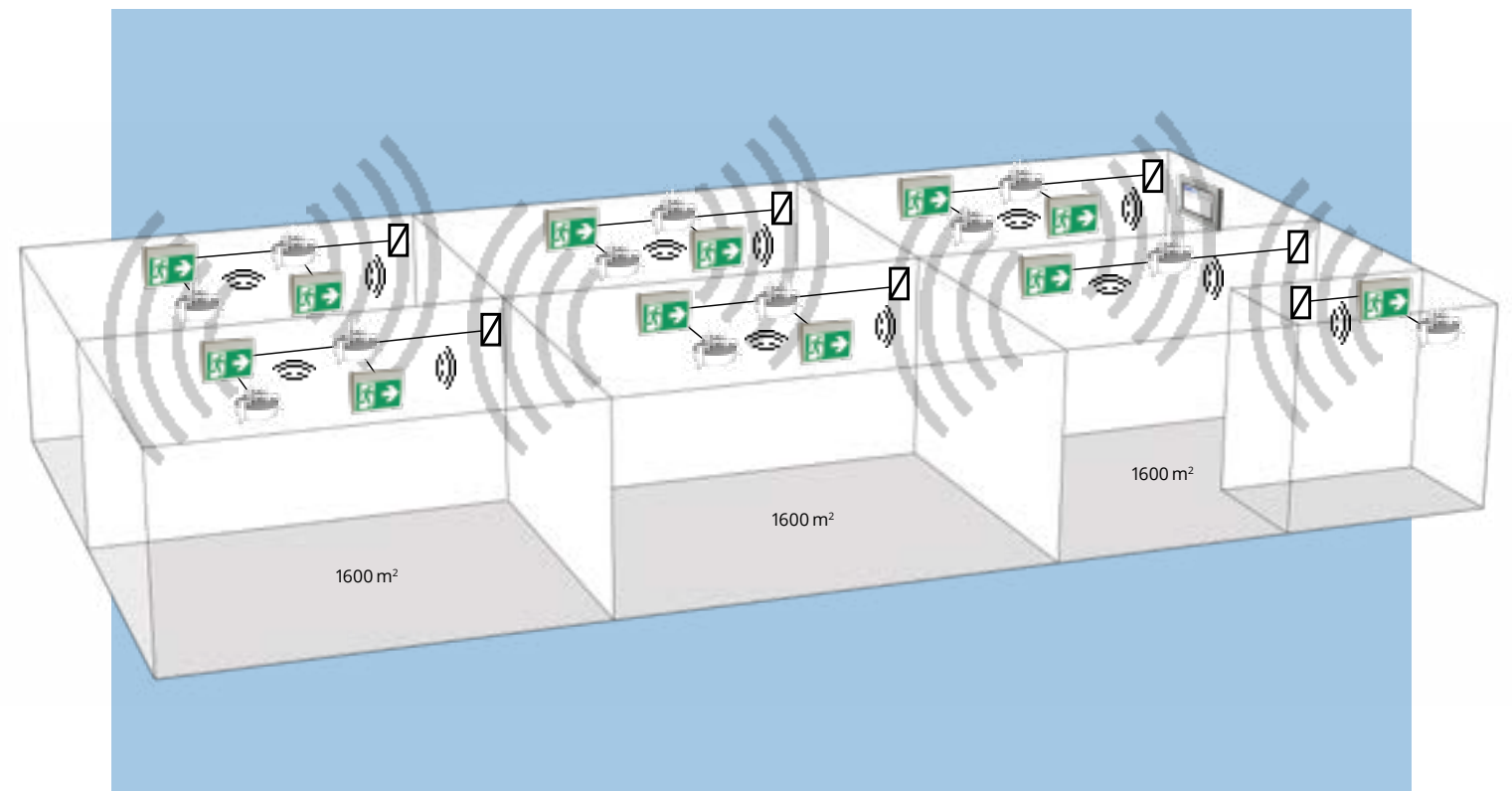
Optional UPS battery.



Wireless luminaire monitoring and control with Wireless Professional



Example: small shop with up to 50 lights

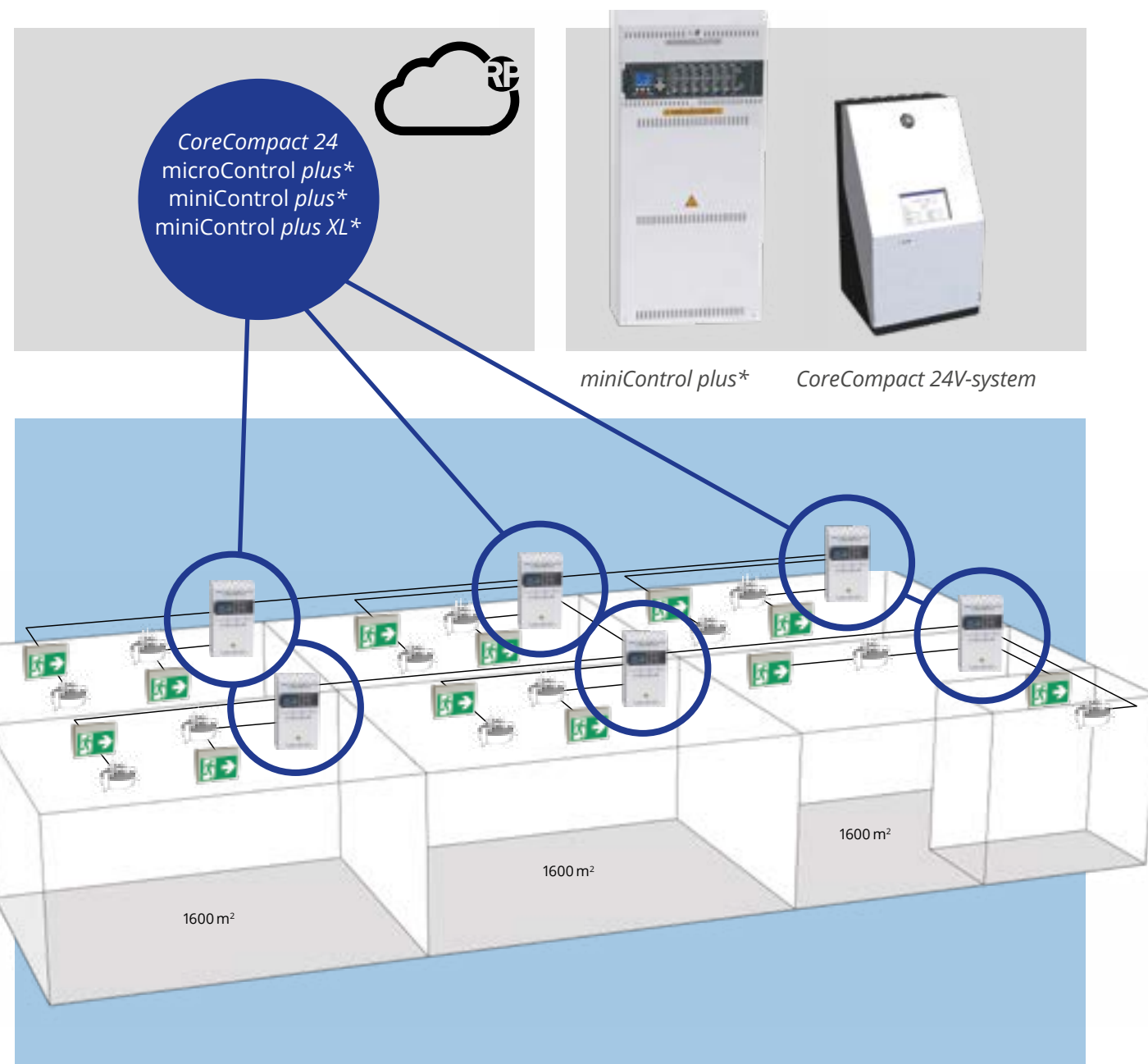


Example of an office building with many fire compartments.



## DECENTRALIZED LOW POWER SYSTEM (LPS)

- A separate, small power supply system for each fire compartment
- Each system with its own batteries
- No E30 cabling required within a fire compartment
- Individual luminaire monitoring
- Available in 24V (CC) or 230V (ML) technology
- All relevant data and test logs stored in the cloud (LIGHTLINX®)



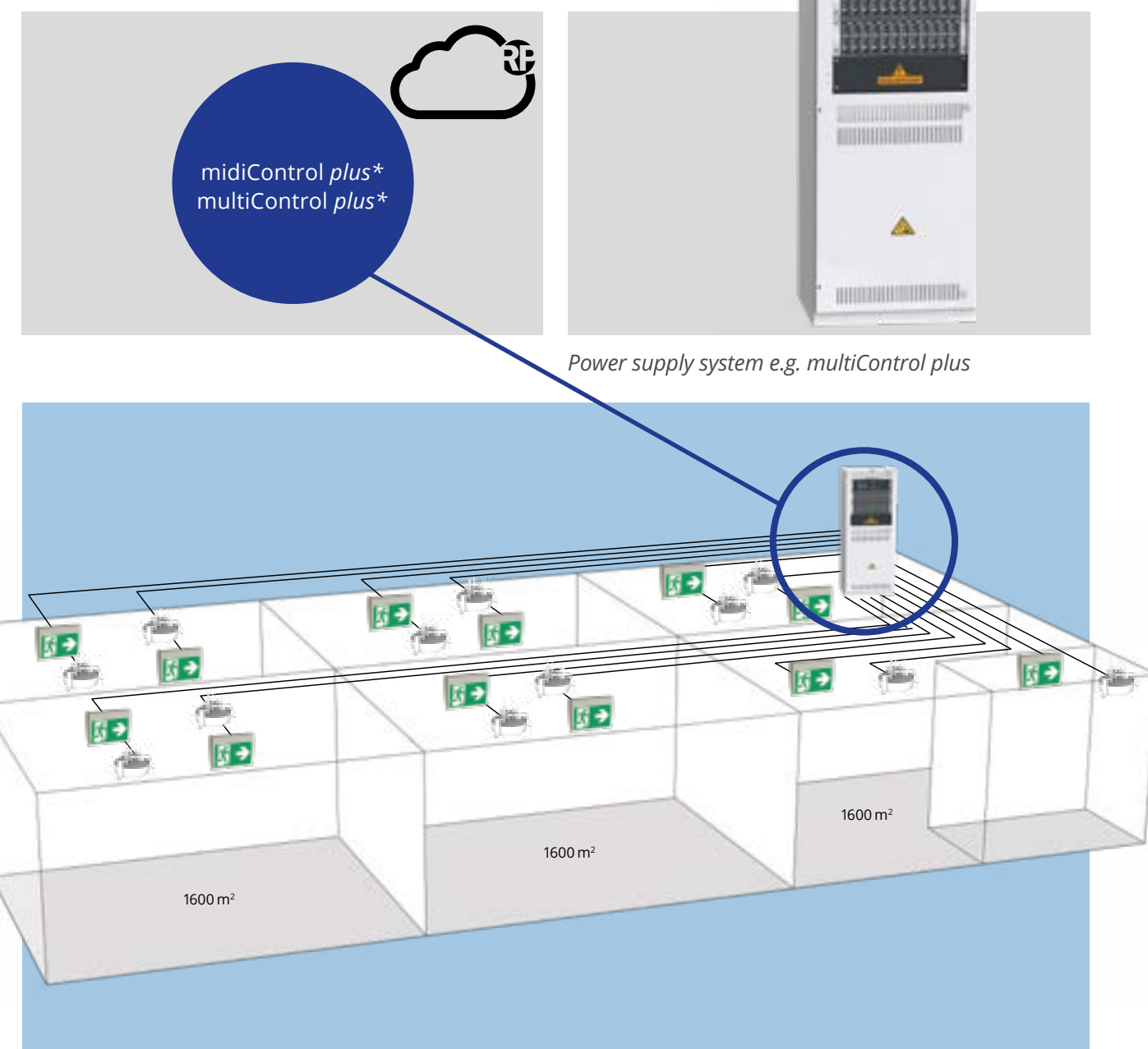
Example of an industrial building with virtual fire compartments

\* Type-tested according to TÜV Rheinland



## CENTRAL BATTERY SYSTEM (CBS)

- A large power supply system for up to 96 circuits, with networking to substations > 60,000 luminaires possible
- Installation in a dedicated electrical control room
- One set of batteries for the central system
- Individual luminaire monitoring
- Storage of all relevant data and test logs in the cloud (LIGHTLINX®)



Example of an industrial building with virtual fire compartments

\* Type-tested according to TÜV Rheinland



## ALL SYSTEM SOLUTIONS AT A GLANCE

|                                                | Self-contained luminaire with SelfControl                                                                                                                                                                                                         | DALI Network                                                                                                                                                                                                                                                                                                                                | Wireless Basic                                                                                                                                                                                                                                                | Wireless Professional System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Low Power System (24V / 230V)                                                                                                                                                                                                                                                                                                                             | Central battery system                                                                                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATION</b>                             | Local energy supply. Cost-effective solution for smaller buildings with few luminaires.                                                                                                                                                           | Local, decentralized energy supply. Ideal for small, medium, and large buildings.                                                                                                                                                                                                                                                           | For small installations up to 50 luminaires.                                                                                                                                                                                                                  | Local, decentralized or central power supply. Ideal for small, mid-sized and large buildings, also for retrofitting.                                                                                                                                                                                                                                                                                                                                                                                               | Decentralized power supply. Cost-effective solution for small and mid-sized buildings.                                                                                                                                                                                                                                                                    | Central power supply. Optimum solution for large buildings with a large number of luminaires.                                                                                                              |
| <b>Investment</b>                              | €                                                                                                                                                                                                                                                 | €€                                                                                                                                                                                                                                                                                                                                          | €€                                                                                                                                                                                                                                                            | €€                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | €€ – €€€                                                                                                                                                                                                                                                                                                                                                  | €€€                                                                                                                                                                                                        |
| <b>Automatic inspection test report</b>        | no                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                         | yes                                                                                                                                                                                                                                                           | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                                       | yes                                                                                                                                                                                                        |
| <b>Planning work involved</b>                  | low                                                                                                                                                                                                                                               | medium                                                                                                                                                                                                                                                                                                                                      | low                                                                                                                                                                                                                                                           | low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | medium                                                                                                                                                                                                                                                                                                                                                    | high                                                                                                                                                                                                       |
| <b>Cabling in E 30</b>                         | no                                                                                                                                                                                                                                                | no                                                                                                                                                                                                                                                                                                                                          | no                                                                                                                                                                                                                                                            | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | no                                                                                                                                                                                                                                                                                                                                                        | yes                                                                                                                                                                                                        |
| <b>Maintenance work on luminaires</b>          | high                                                                                                                                                                                                                                              | low                                                                                                                                                                                                                                                                                                                                         | low                                                                                                                                                                                                                                                           | low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | low                                                                                                                                                                                                                                                                                                                                                       | low                                                                                                                                                                                                        |
| <b>Installation effort (cabling)</b>           | low                                                                                                                                                                                                                                               | medium                                                                                                                                                                                                                                                                                                                                      | low                                                                                                                                                                                                                                                           | low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | medium                                                                                                                                                                                                                                                                                                                                                    | high                                                                                                                                                                                                       |
| <b>Remote maintenance and monitoring</b>       | no                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                         | yes                                                                                                                                                                                                                                                           | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                                       | yes                                                                                                                                                                                                        |
| <b>Maximum number of luminaires</b>            | unlimited                                                                                                                                                                                                                                         | 256 luminaires via an RP-owned DALI emergency lighting control unit (DALI-Zent)<br><br>Expandable to up to 4,096 luminaires with DALINode (optional)                                                                                                                                                                                        | 50                                                                                                                                                                                                                                                            | 1,000 per system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 640 (miniControl <i>plus XL</i> )<br>80 (Core Compact 24)                                                                                                                                                                                                                                                                                                 | 1,920 per system                                                                                                                                                                                           |
| <b>Suitable for networking</b>                 | no                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                         | yes                                                                                                                                                                                                                                                           | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                                       | yes                                                                                                                                                                                                        |
| <b>Substations / -distributors</b>             | no                                                                                                                                                                                                                                                | no                                                                                                                                                                                                                                                                                                                                          | no                                                                                                                                                                                                                                                            | no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | no                                                                                                                                                                                                                                                                                                                                                        | yes                                                                                                                                                                                                        |
| <b>Building visualization / luminaire plan</b> | no                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                         | yes                                                                                                                                                                                                                                                           | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                                       | yes                                                                                                                                                                                                        |
| <b>Single luminaire monitoring</b>             | by itself                                                                                                                                                                                                                                         | central                                                                                                                                                                                                                                                                                                                                     | central                                                                                                                                                                                                                                                       | central                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | central                                                                                                                                                                                                                                                                                                                                                   | central                                                                                                                                                                                                    |
| <b>LIGHTLINX®-capable</b>                      | no                                                                                                                                                                                                                                                | yes*                                                                                                                                                                                                                                                                                                                                        | yes                                                                                                                                                                                                                                                           | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | yes                                                                                                                                                                                                                                                                                                                                                       | yes                                                                                                                                                                                                        |
| <b>ADVANTAGES</b>                              | <ul style="list-style-type: none"> <li>• The luminaires have their own batteries; no separate power supply is required.</li> <li>• 230 V, standard general lighting circuit.</li> <li>• LiFePO4 battery with extended 5-year warranty.</li> </ul> | <ul style="list-style-type: none"> <li>• Secure monitoring and comprehensive documentation. Automatic, centralized status display.</li> <li>• Seamlessly integrates into existing building management systems.</li> <li>• Wired connection guarantees interference-free communication even in challenging building environments.</li> </ul> | <ul style="list-style-type: none"> <li>• Monitors and controls lights wirelessly. Simple operation and maintenance in the Wireless Basic app.</li> <li>• Secure data storage – all in one cloud. LIGHTLINX® saves time through easy documentation.</li> </ul> | <ul style="list-style-type: none"> <li>• Monitors and controls lights wirelessly (guaranteed range of 30 meters).</li> <li>• Reduced cabling (no BUS cables required).</li> <li>• Budget-friendly.</li> <li>• Ideal for retrofitting existing buildings.</li> <li>• Self-organizing, ad-hoc wireless system.</li> <li>• Energy-saving, e.g., through timer control options.</li> <li>• Individual battery-powered lights; no separate wiring required.</li> <li>• Established on the market since 2012.</li> </ul> | <ul style="list-style-type: none"> <li>• Ideal compromise between large central power supply and individual battery-powered lights.</li> <li>• Risk diversification: The stations can be located on any floor and in any area of the building.</li> <li>• Cost savings, as no fire-resistant cabling is required.</li> <li>• Easy maintenance.</li> </ul> | <ul style="list-style-type: none"> <li>• Economical, as all RPower® batteries can be housed in one central location.</li> <li>• Easy to maintain.</li> <li>• Up to 32 systems can be networked.</li> </ul> |

\* in development

**RP-Technik GmbH**  
PART OF RP-GROUP

**Headquarter/Production**  
Hermann-Staudinger-Str.10 – 16  
63110 Rodgau

**Fon** +49 6106 660 28-0  
**E-Mail** info@rp-group.com

**RP GROUP**  
SOLUTIONS IN SAFETY + LIGHTING

Follow us   

**Digital catalogue**



[www.rp-group.com](http://www.rp-group.com)