

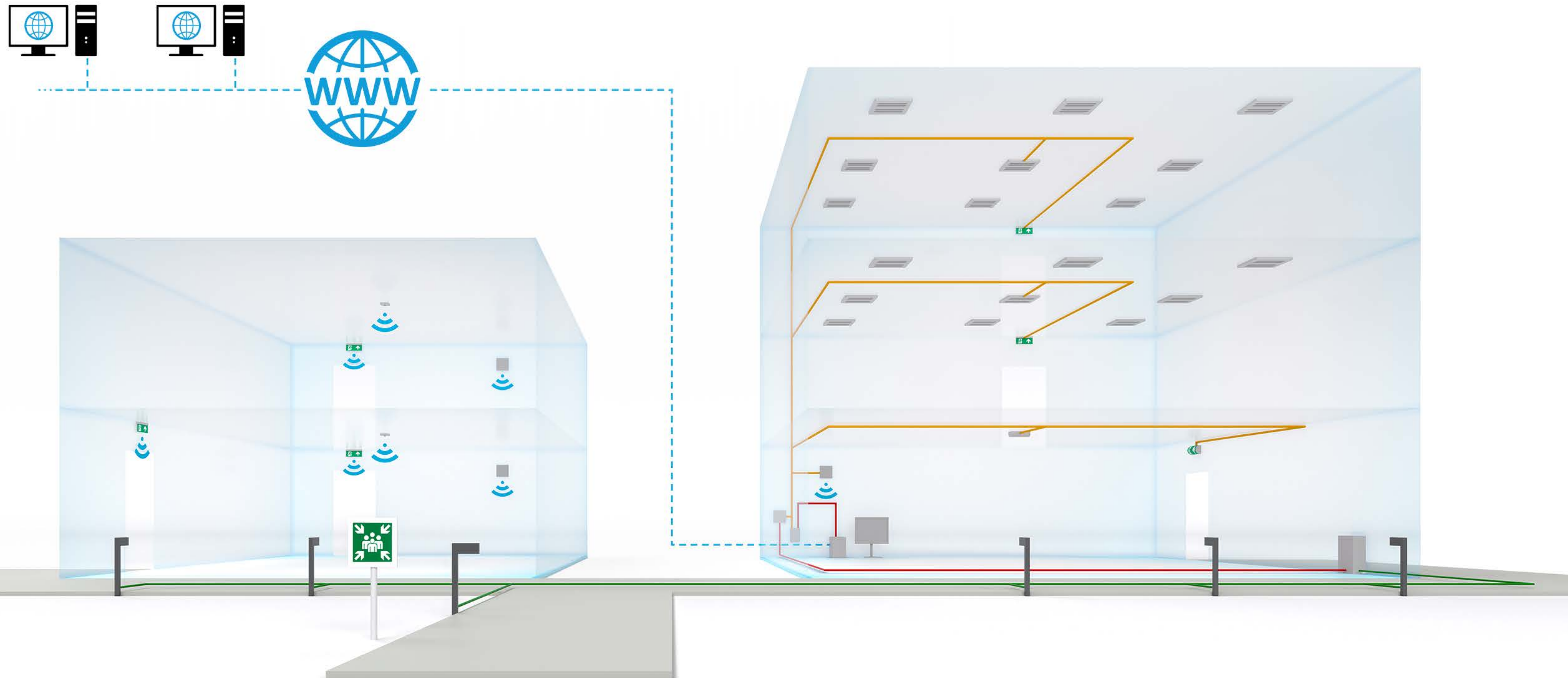
ETAP Safety Manager





# Your emergency lighting under control: everywhere, anytime

The ETAP Safety Manager (ESM) is a central control and management system for your emergency lighting.

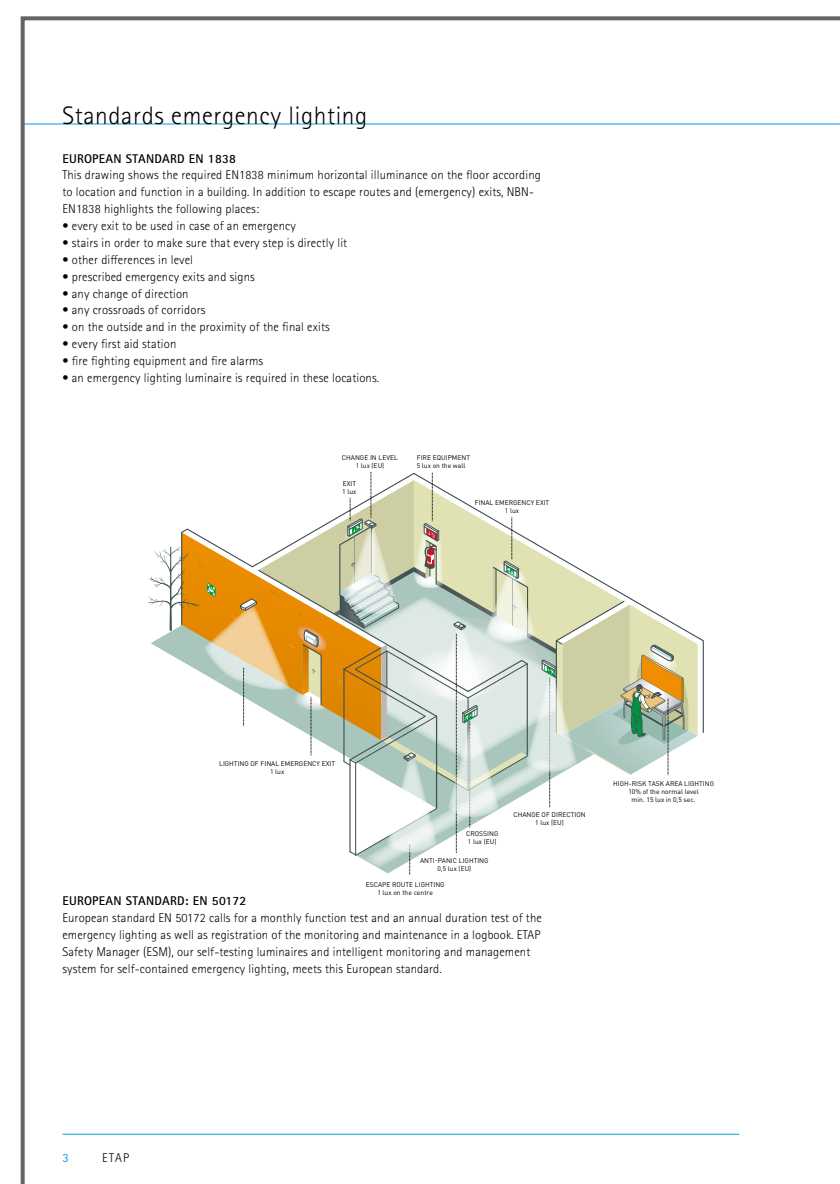





## WHEN AND HOW DO YOU NEED TO APPLY EMERGENCY LIGHTING

Emergency lighting can save lives, which is why this is regulated by law. Numerous standards and rules apply to technical implementation:

- The European application standard EN 1838 describes the correct application of emergency lighting luminaires.
- The European standard EN 50172 defines the rules and instructions regarding the control and management of emergency lighting luminaires.



*A comprehensive overview of related national and EU standards*

& regulations can be found in the ETAP catalogue or at  [www.etaplighting.com](http://www.etaplighting.com).



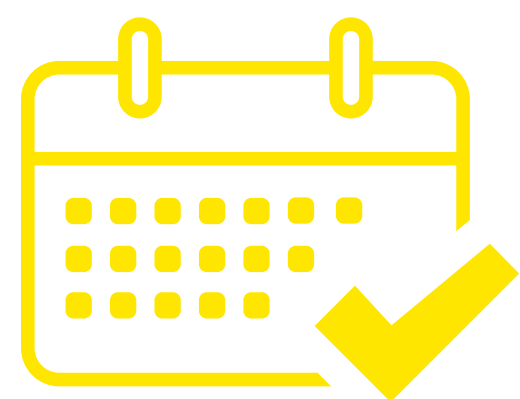




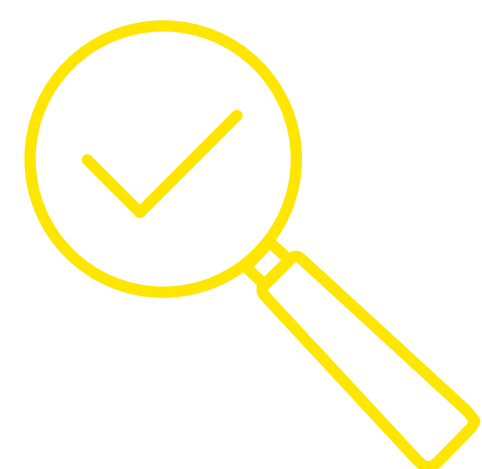
## WHO IS RESPONSIBLE?

The building manager (or an appointed qualified expert) is responsible for the proper functioning of the emergency lighting.

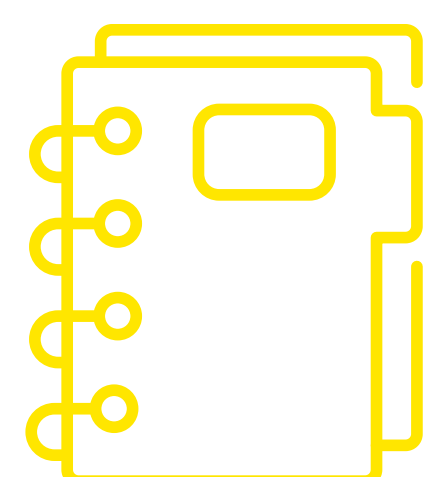
This responsibility includes setting up the necessary systems and structures to meet the requirements described in EN50172:



1. Periodic function and autonomy test



2. Annual visual inspection & control



3. Up-to-date emergency lighting file  
(with results 1. and 2. in a logbook)

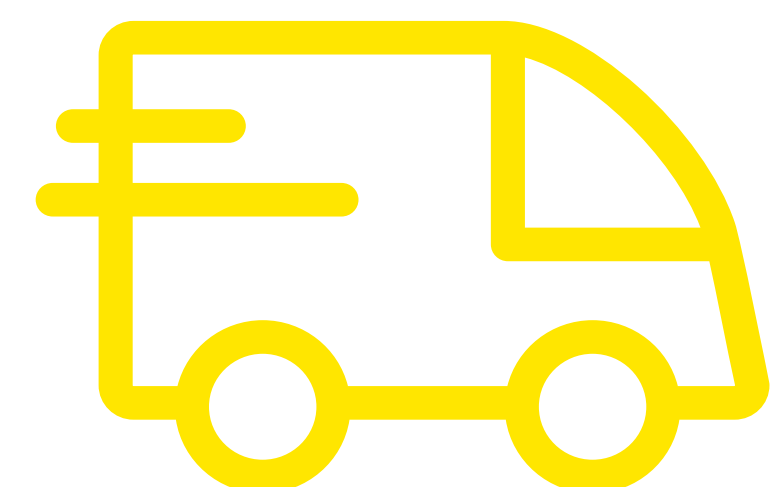
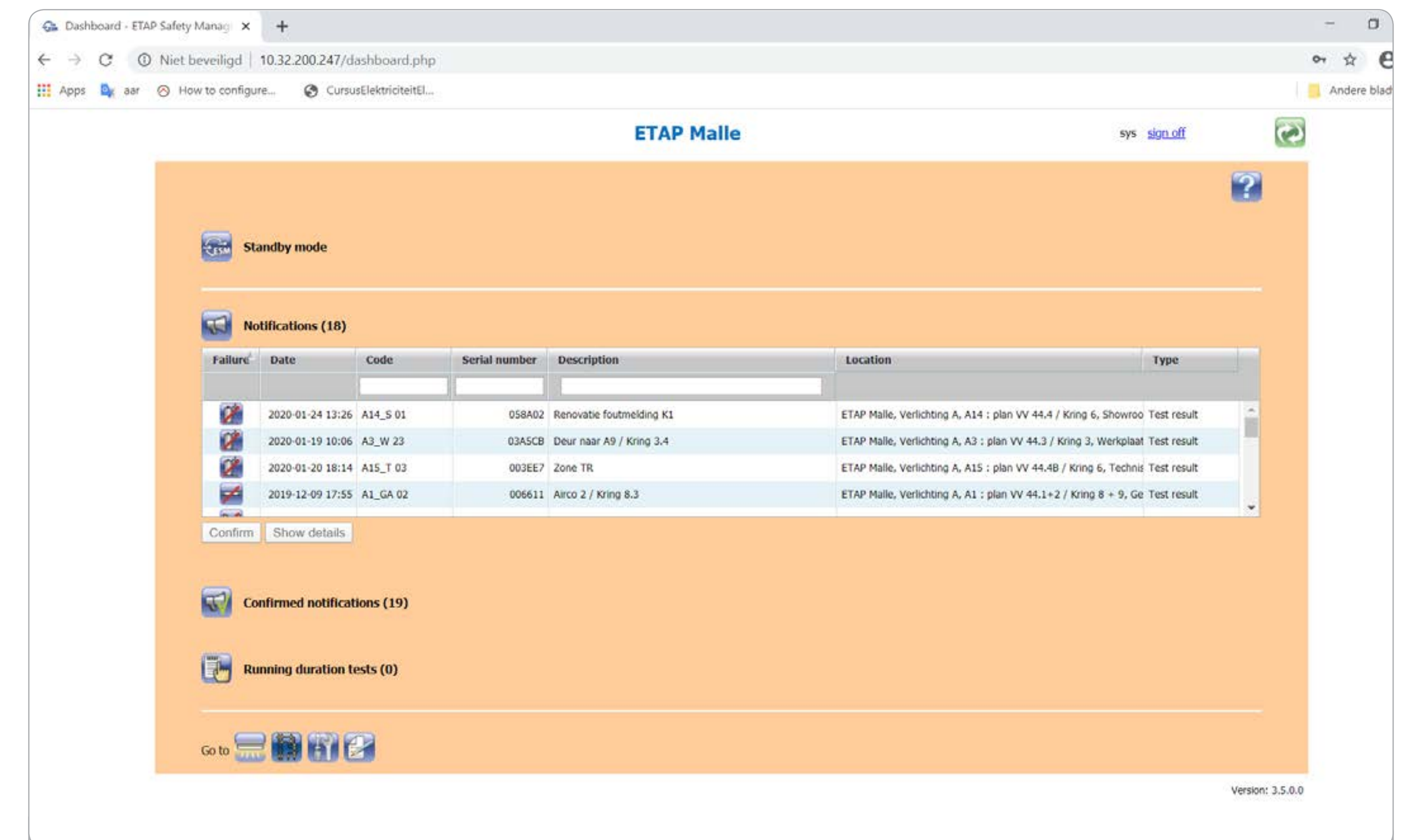






## HOW CAN ETAP HELP YOU?

Emergency lighting must function correctly to guarantee safety in the event of a power failure. With ESM you can control emergency lighting **QUICKLY** and **EASILY**. A logbook is automatically created in accordance with the standard for all checks, eliminating the time-consuming manual registration.



*In addition to the tests described above, an annual visual inspection to check the condition of the installation remains necessary. ETAP services can help with performing this inspection and the effective maintenance of your emergency lighting installation.*



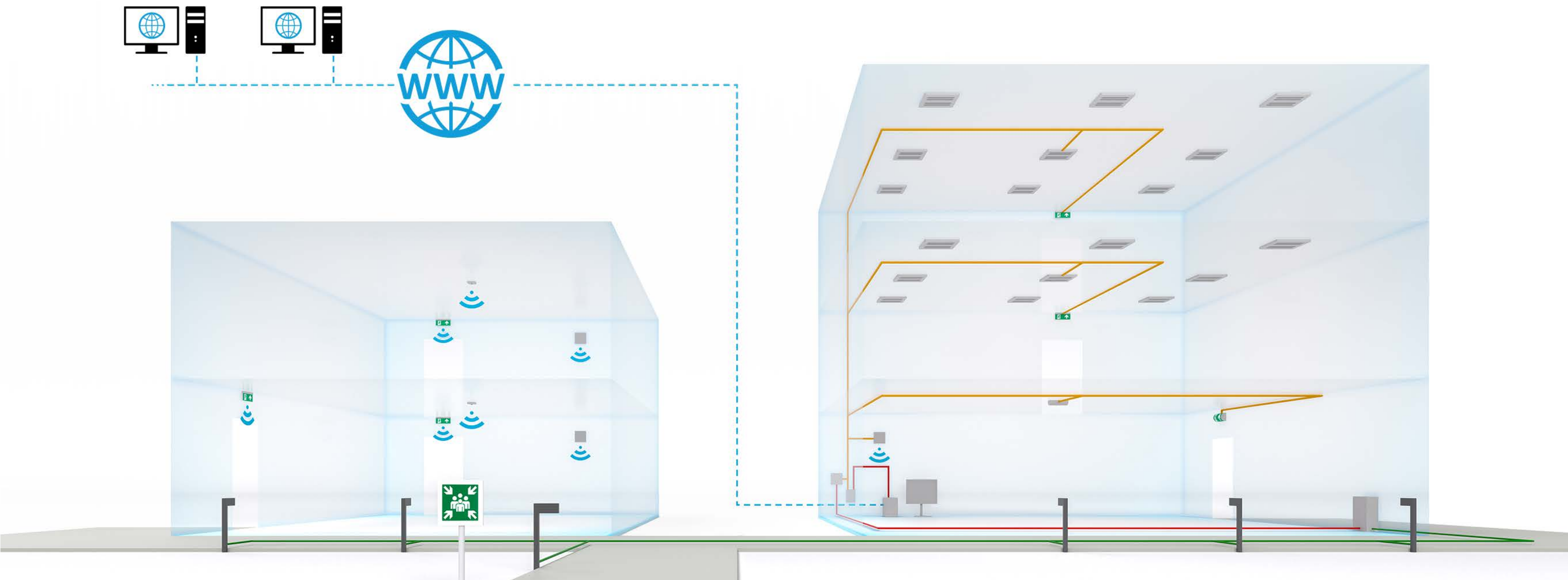


With ESM you can monitor and manage emergency lighting in multiple buildings, from any location:

- 1 Online via the ETAP ESM portal;
- 2 Via the local network / building management system.

Code	Serial number	Description
A1_GA 02	006611	Airco 2 / Kring 8.3
A1_GB 08	006826	Burelen gang picto oost / Kring 8.2
A1_GB 12	006829	Raam brandblusser oost / Kring 8.2

Each luminaire has a unique code for individual recognition and follow-up. If a luminaire is defective, you will receive a message.





Suitable for the integration of:



Self-contained luminaires



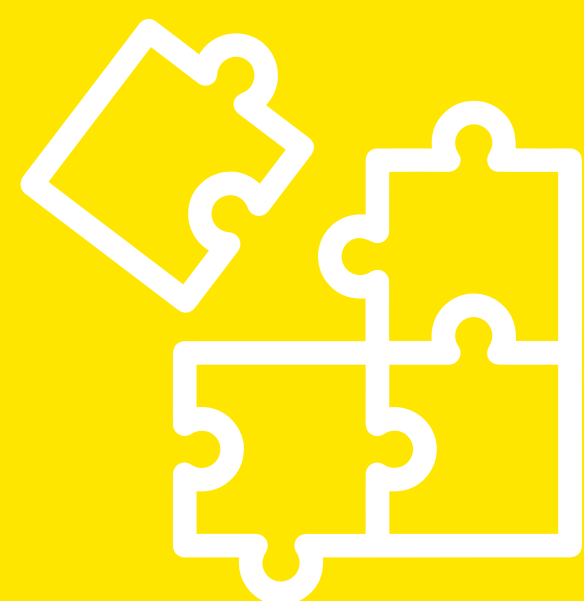
EBS Superior and Superior Compact (battery systems for centrally supplied emergency lighting)



Lighting luminaires with LED module for emergency lighting

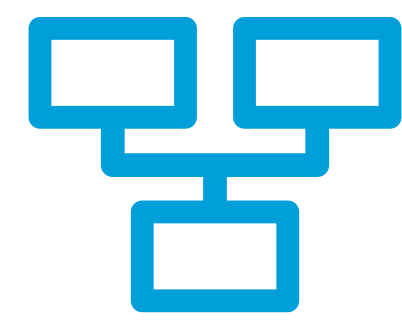


Lighting luminaires with emergency unit



**UNIQUE:**  
ONE system for ALL kinds of emergency lighting





## 1. WIRED

Web controller and luminaires communicate through a BUS.



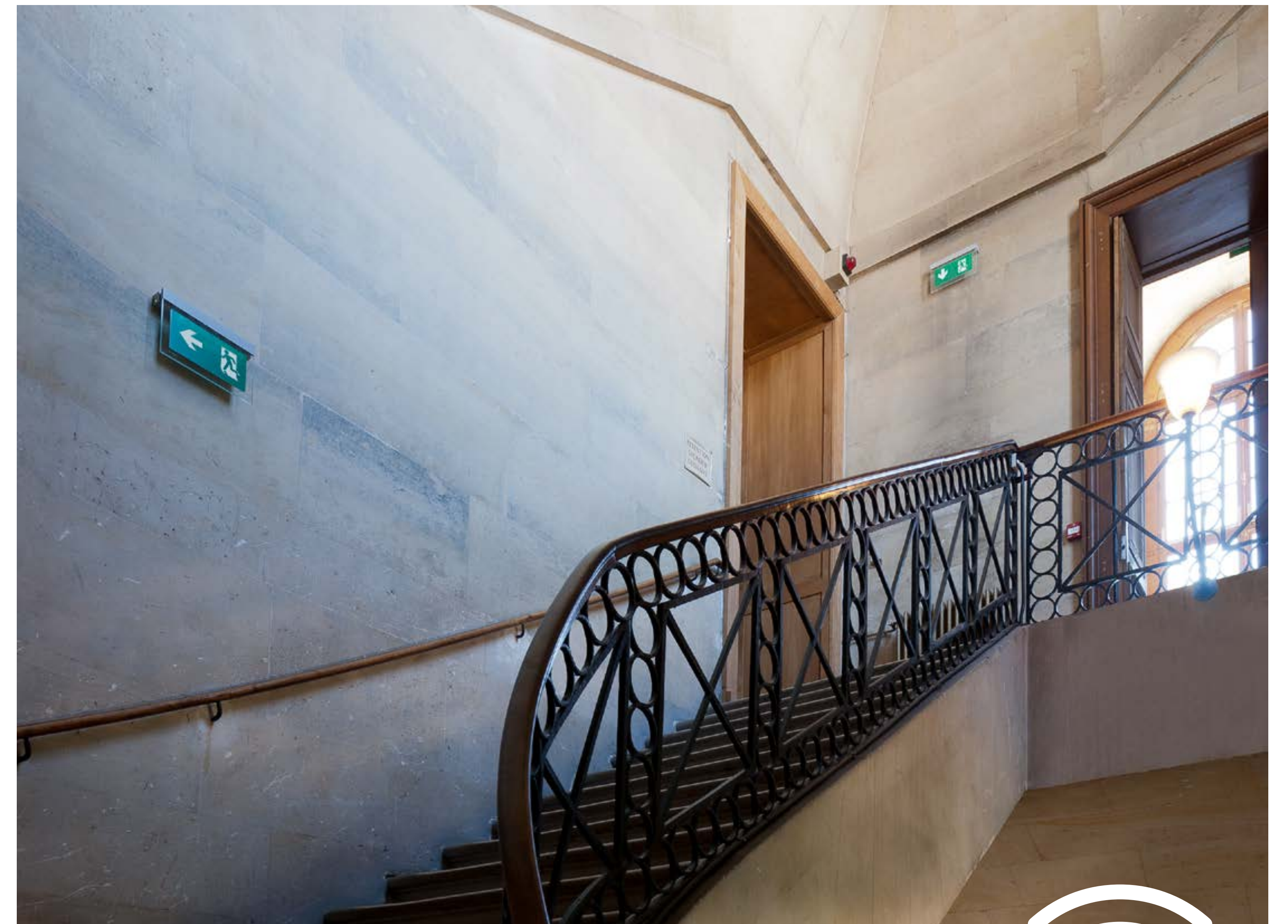
## 2. WIRELESS

Wireless communication with luminaires.



## 3. COMBINATION 1 AND 2

Combined wireless and wired networks are possible.



### WIRELESS ESM ADVANTAGES:

- No additional communication cabling required, you avoid disruptive surface-mounted cabling.
- Equally reliable and with a similar investment cost compared to wired.
- Unlike other wireless control systems, the other luminaires are not affected (star network) in case of a defective or relocated luminaire.



## MAIN COMPONENT



*The ESM web controller monitors your ESM installation and allows you to manage it from any location. A BUS adapter links the ESM BUS to the ESM web controller.*

## OPTIONS

For wireless communication:



*A master connects a web controller with wireless ESM luminaires.*



*A repeater extends the range of the wireless ESM network.*

*Master and repeaters can communicate with each other (mesh network). Luminaires talk directly with master or repeater (star network).*

For the integration of EBS (central battery system):



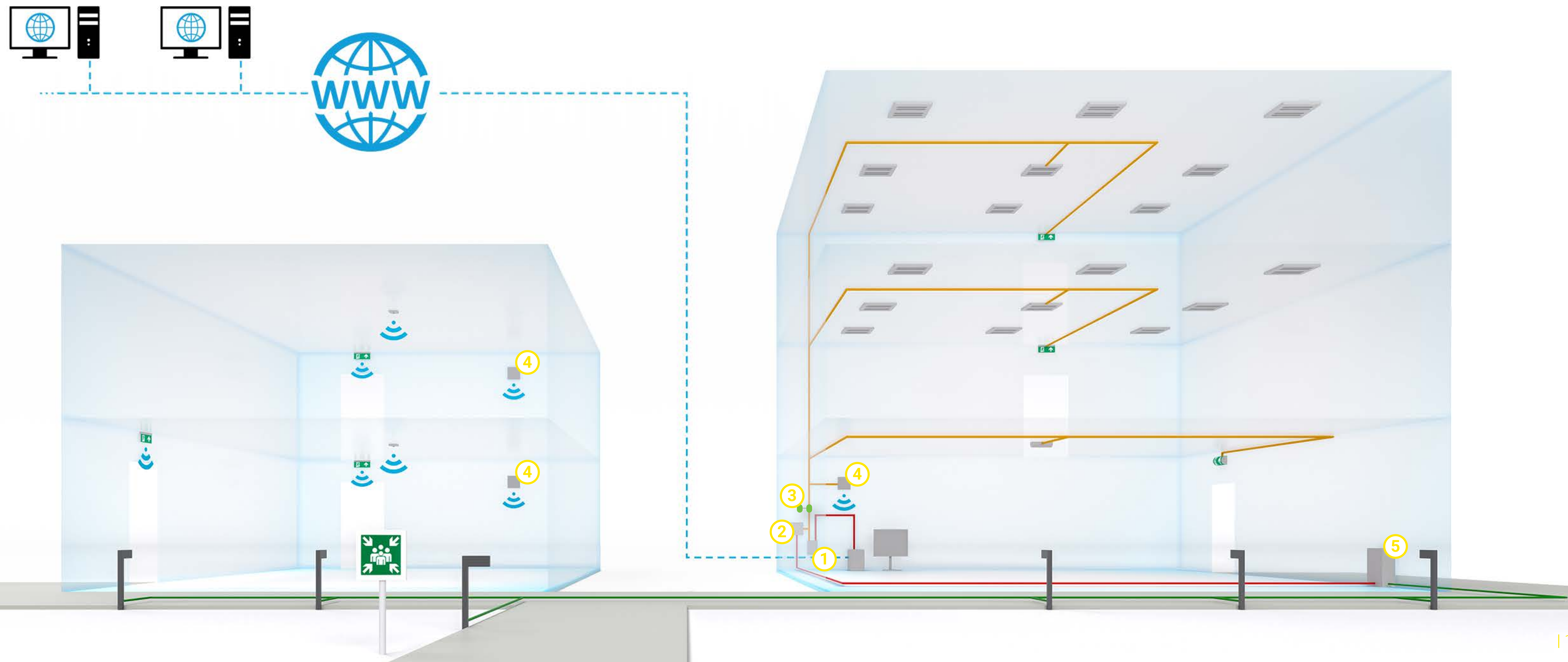
*An ESM – EBS gateway connects central battery systems (EBS) with ESM.*

 [For other ESM configurations, click here.](#)



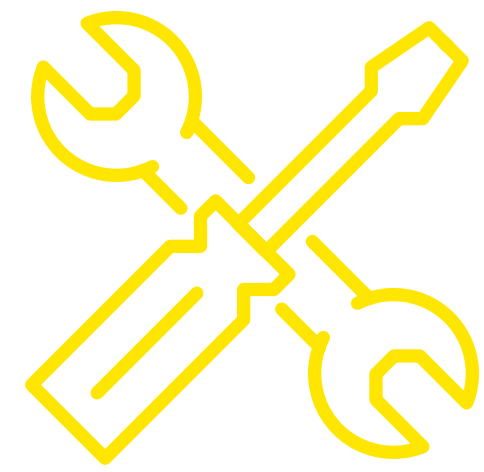
# ESM | How does ESM work?

- ① ESM-web controller
  - ② ESM-EBS Gateway
  - ③ Master
  - ④ Repeater
  - ⑤ ETAP battery system (EBS)
- ESM circuit
  - Local network (Ethernet)
  - - Internet
  - Electrical circuit for outdoor lighting
  - 📶 Wireless network with emergency lighting luminaires

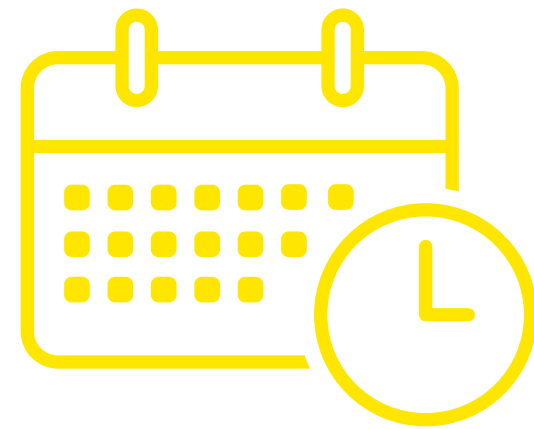




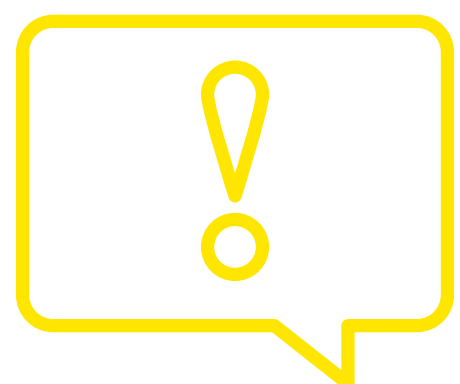
ESM closely follows the status of your emergency lighting. You can see at a glance whether all luminaires are working correctly. The installation is monitored and actively managed:



You know at any time when maintenance is required.



You can schedule the test moments yourself.

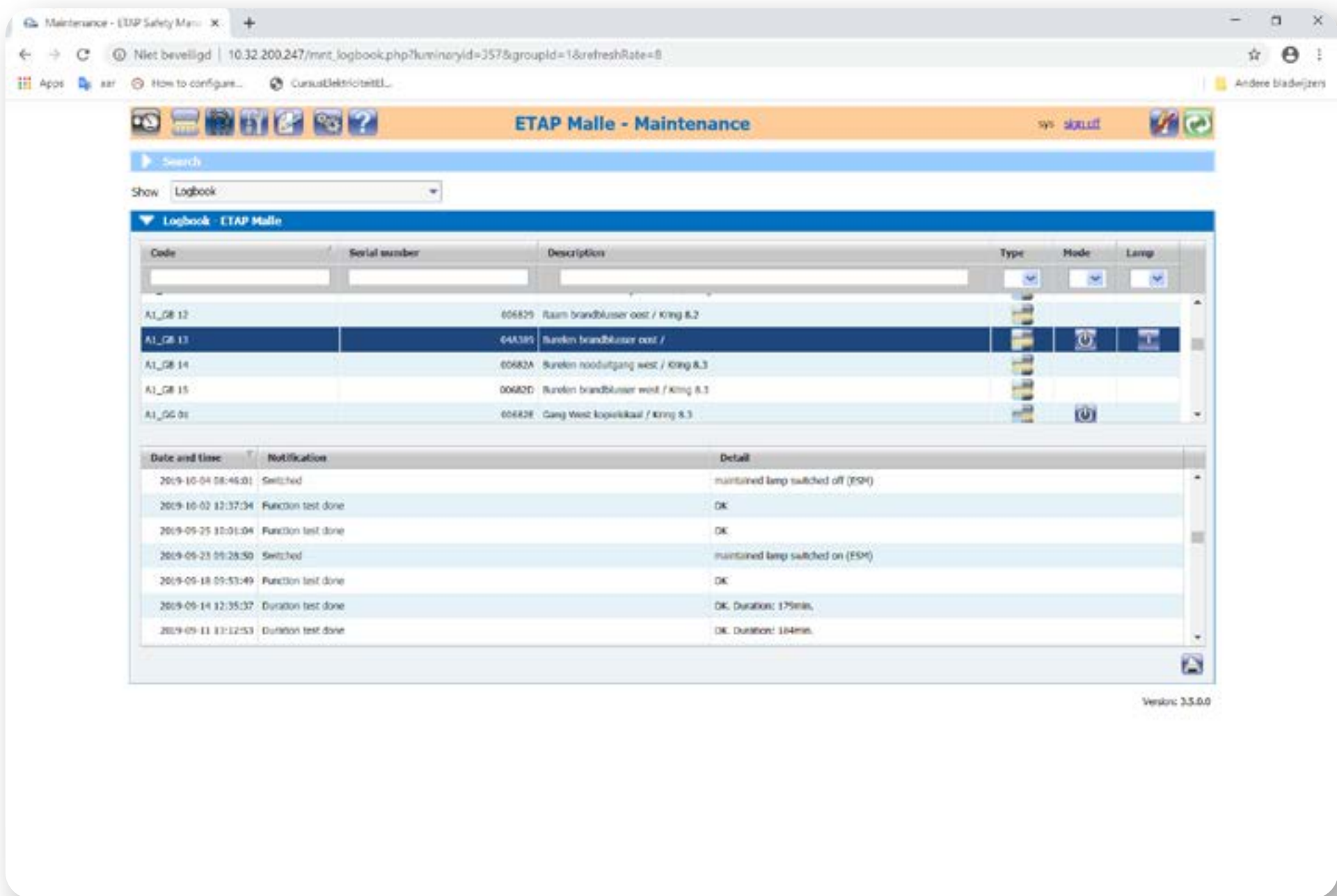


You will be notified in the event of malfunctions.

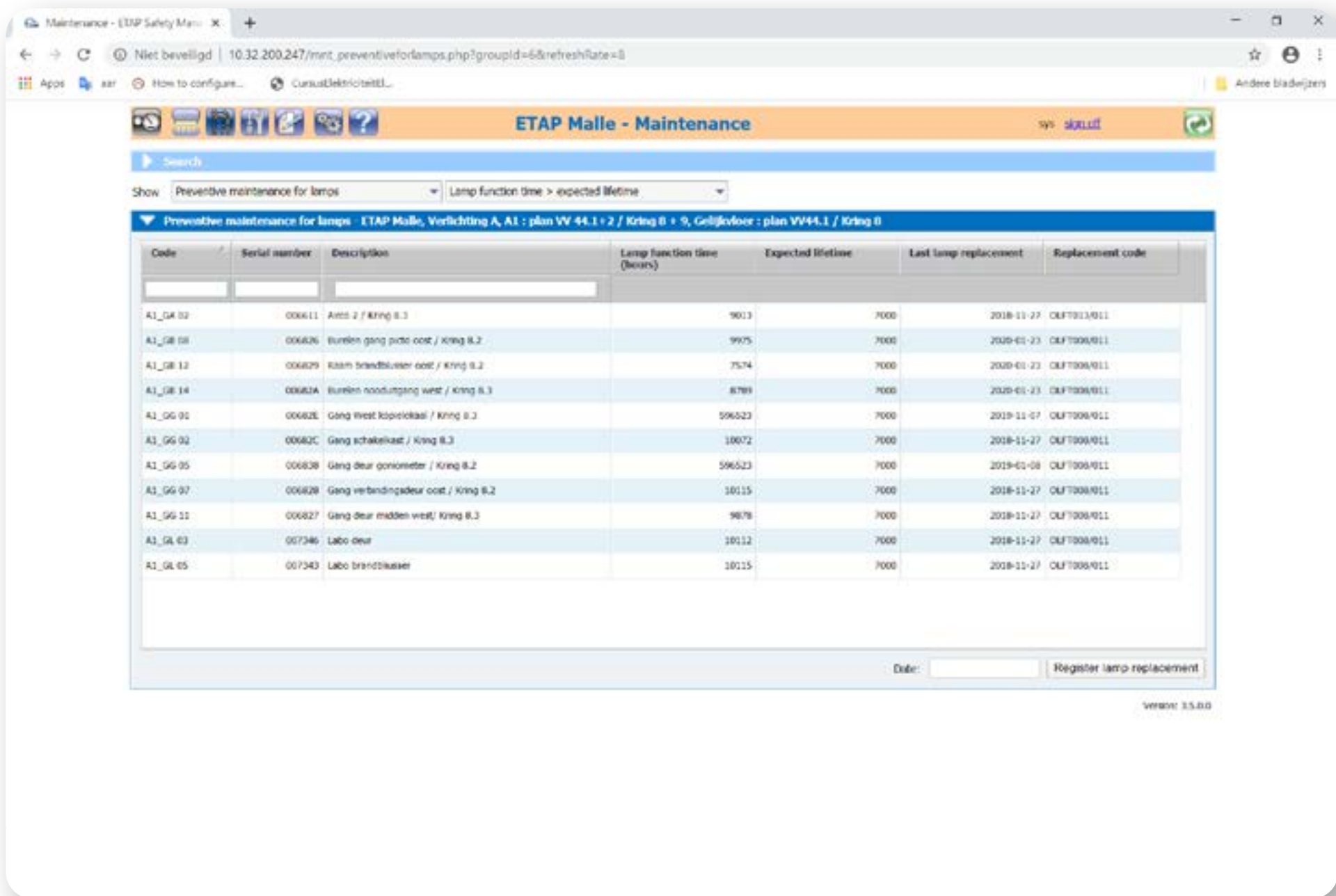




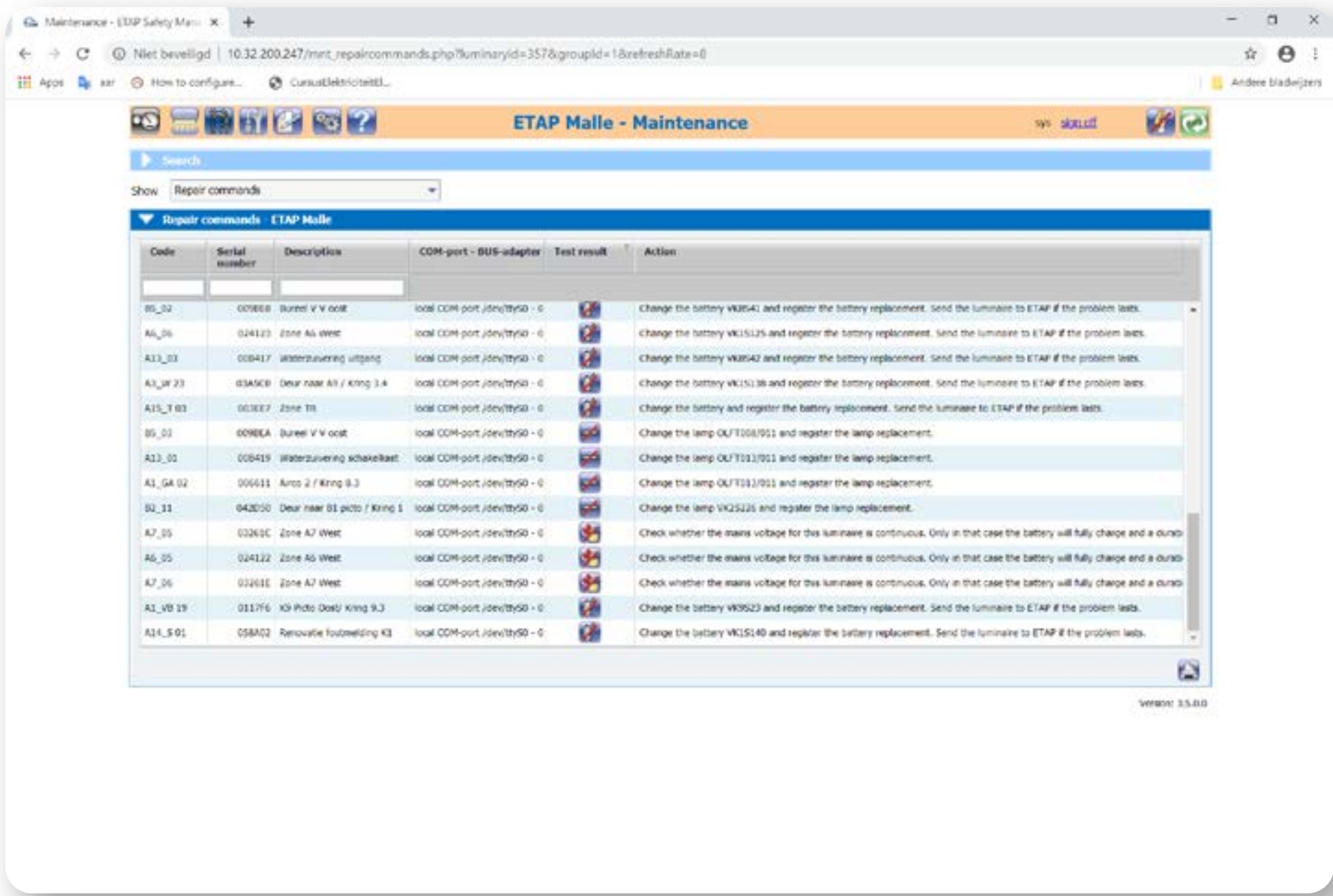
An automatic log book of all checks and maintenances (in accordance with EN 50172).



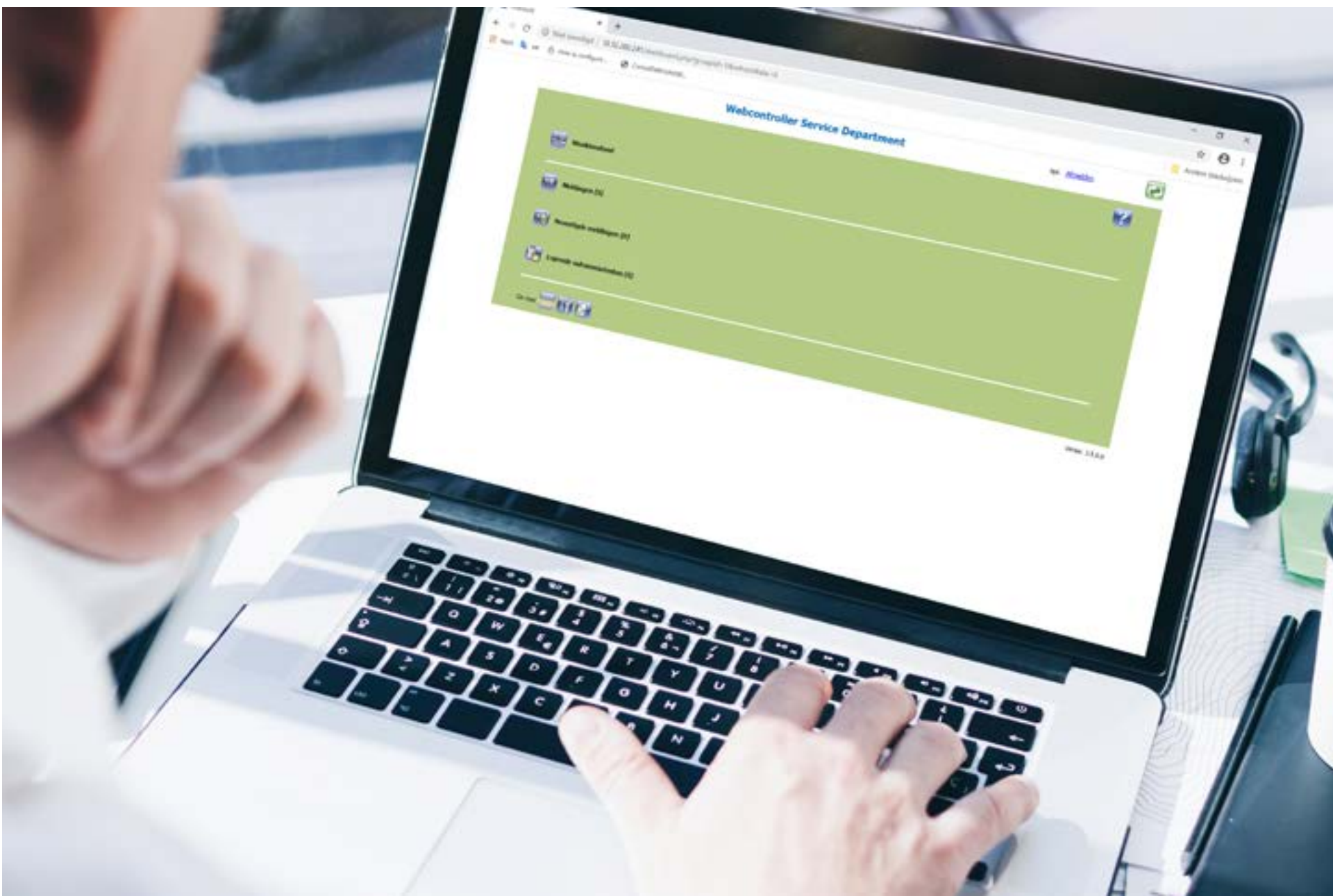
Efficiently scheduled maintenance based on information about lamp burning hours and battery duration.



Detailed info: description of the defect, type of luminaire, location on floor plan or photo, required parts.

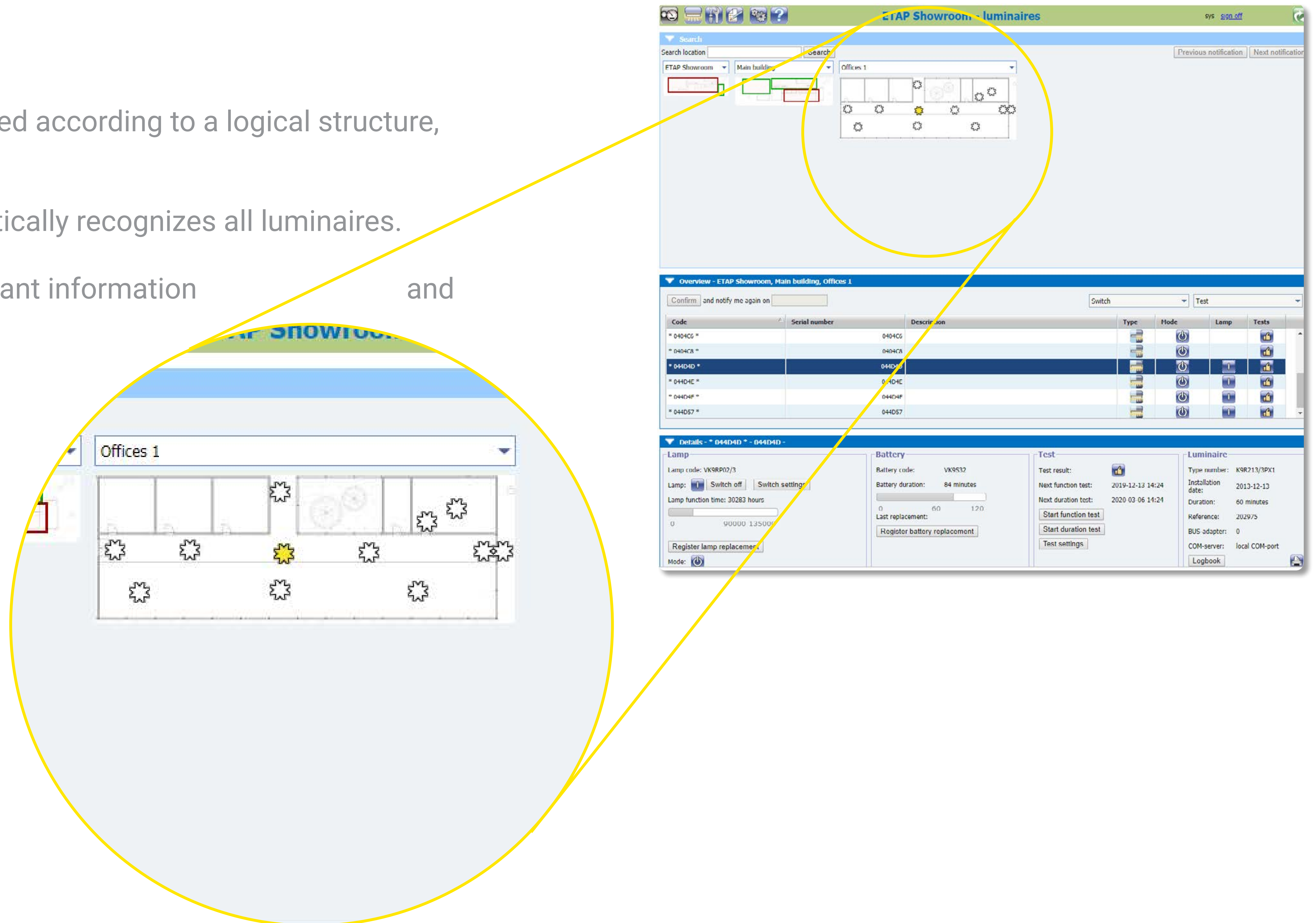


Central management from one point, by one person.





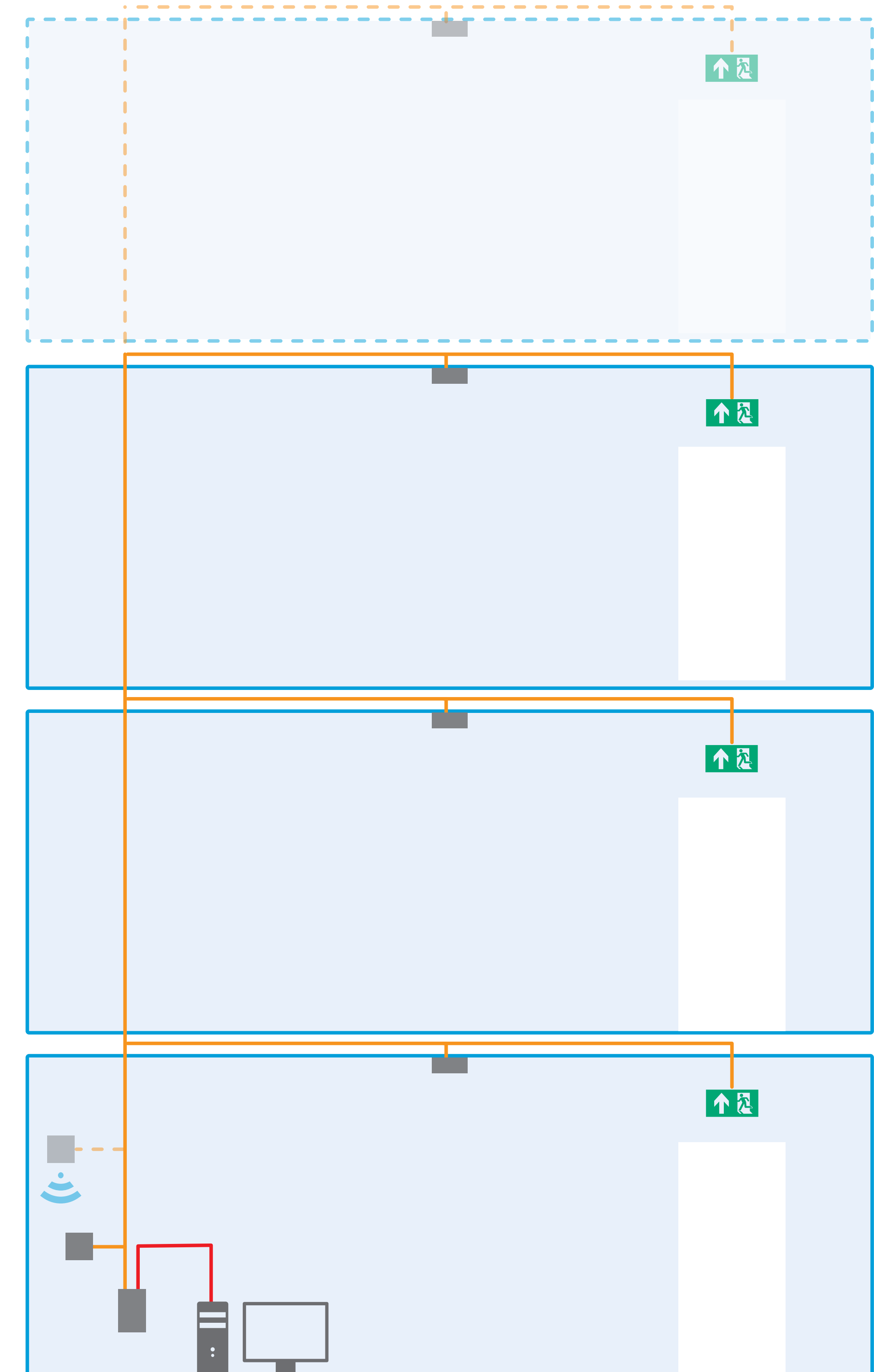
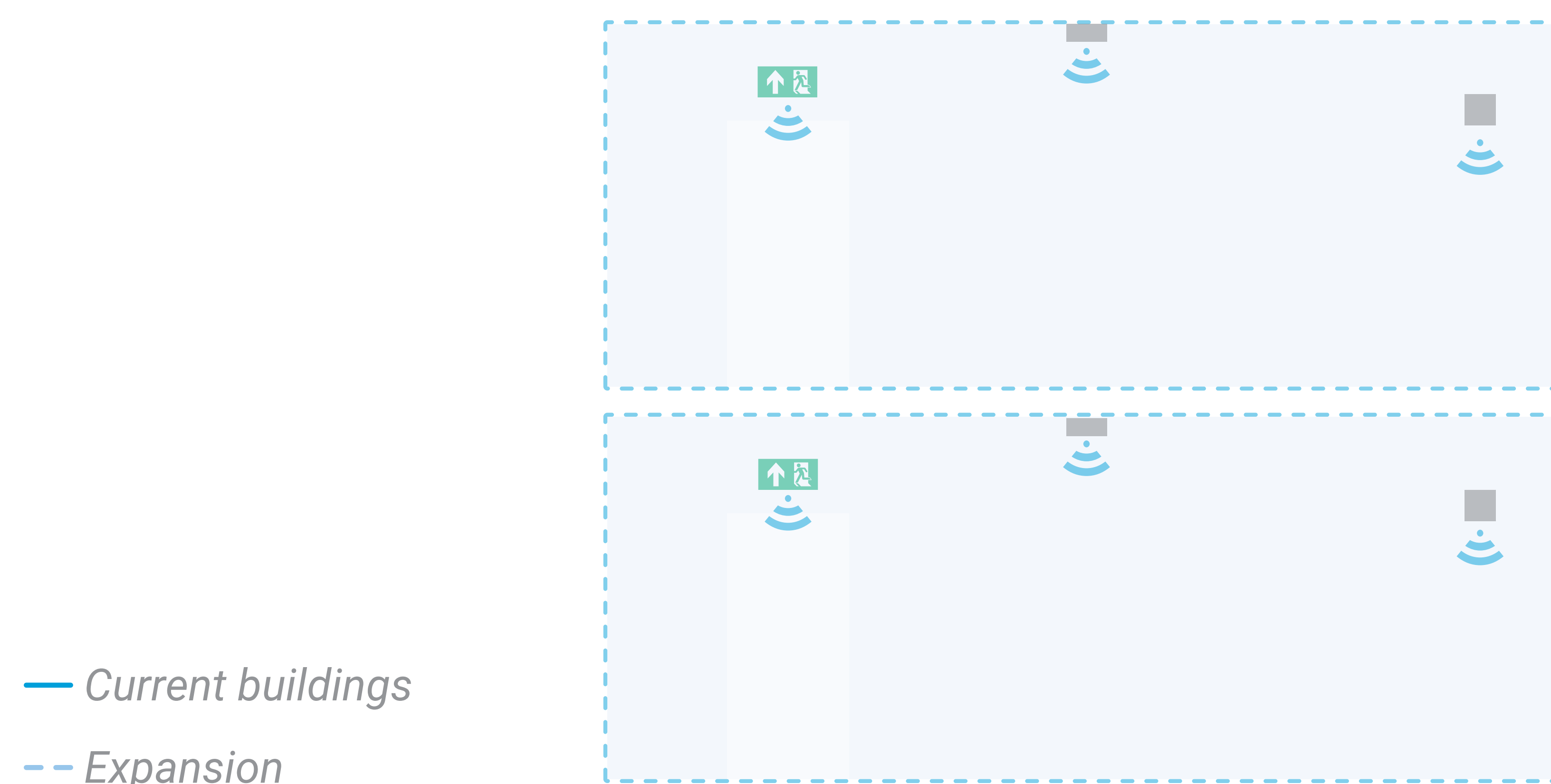
- Easy commissioning.
- Luminaires are classified according to a logical structure, e.g. of the building.
- ESM software automatically recognizes all luminaires.
- You can focus on relevant information and actions.







If the structure of your building changes, you can easily adjust this in ESM:

- in a wired network you can connect the luminaires randomly.
- If you want to expand with wireless luminaires, you can connect the wireless communication interface anywhere on the wired network.





## BELGIUM

Eurostation (Antwerp)  
Justitiepaleis (Brussels)  
Procter & Gamble (Brussels)   
St. Jan Hospital (Bruges) 


## THE NETHERLANDS

Aventus (Apeldoorn)  
Depot Boijmans van Beuningen Museum (Rotterdam)  
Elisabeth Tweesteden Ziekenhuis (Tilburg)  
Fugro (Nootdorp)  
TU Delft (Delft)  
Radboud UMC (Nijmegen)  
Rijksvastgoedbedrijf (various locations)  
Universiteit Utrecht (Utrecht)  
Winkelcentrum Hoog Catherijne (Utrecht)  
WTC Schiphol (Schiphol)

## UK

Langley School (Langley)  
Renfrew Council (Paisley)  
Sainsbury (London)




## LUXEMBOURG

Bil Dexia (Luxembourg)   
École de Bacharage (Bacharage)  
Luxairport (Luxembourg)

## FRANCE

EPR de Flamanville (Flamanville)  
Hôpital Princesse-Grace (Monaco)  
Hôpital Sainte Anne (Paris)  
Hôtel Hyatt (Paris)  
Palais universitaire de Strasbourg (Strasbourg)

## GERMANY

Continental Teves (various locations)  
Deutsche Rentenversicherung (Berlin)  
Hotel Achterdiek (Insel Juist)   
MAN (Augsburg)  
Schulen des MTK (various locations)   
Sanacorp (various locations) 

## SPAIN

Coca-Cola (Madrid)  
Grifols (Barcelona)  
BBVA (Madrid)  
Instituto de Empresa (Madrid)  
Museo de las Colecciones Reales (Madrid)  
TYPESA (Madrid)

## PORTUGAL

Norfin Office Park - Campus de Justiça de Lisboa (Lisbon)  
Túnel do Rossio (Lisbon)  
Hospital Lusiadas (Lisbon and Porto)  
Iberfar-indústria Farmacêutica SA (Lisbon)

## SWEDEN

Geely Innovation Center (Gothenburg)  
Gränby Centrum (Uppsala)  
Sahlgrenska Universitetsjukhuset (Gothenburg)  
Skaraborgs Sjukhus (Skövde)



Wireless ESM installation



Combination of a wired and wireless ESM installation



