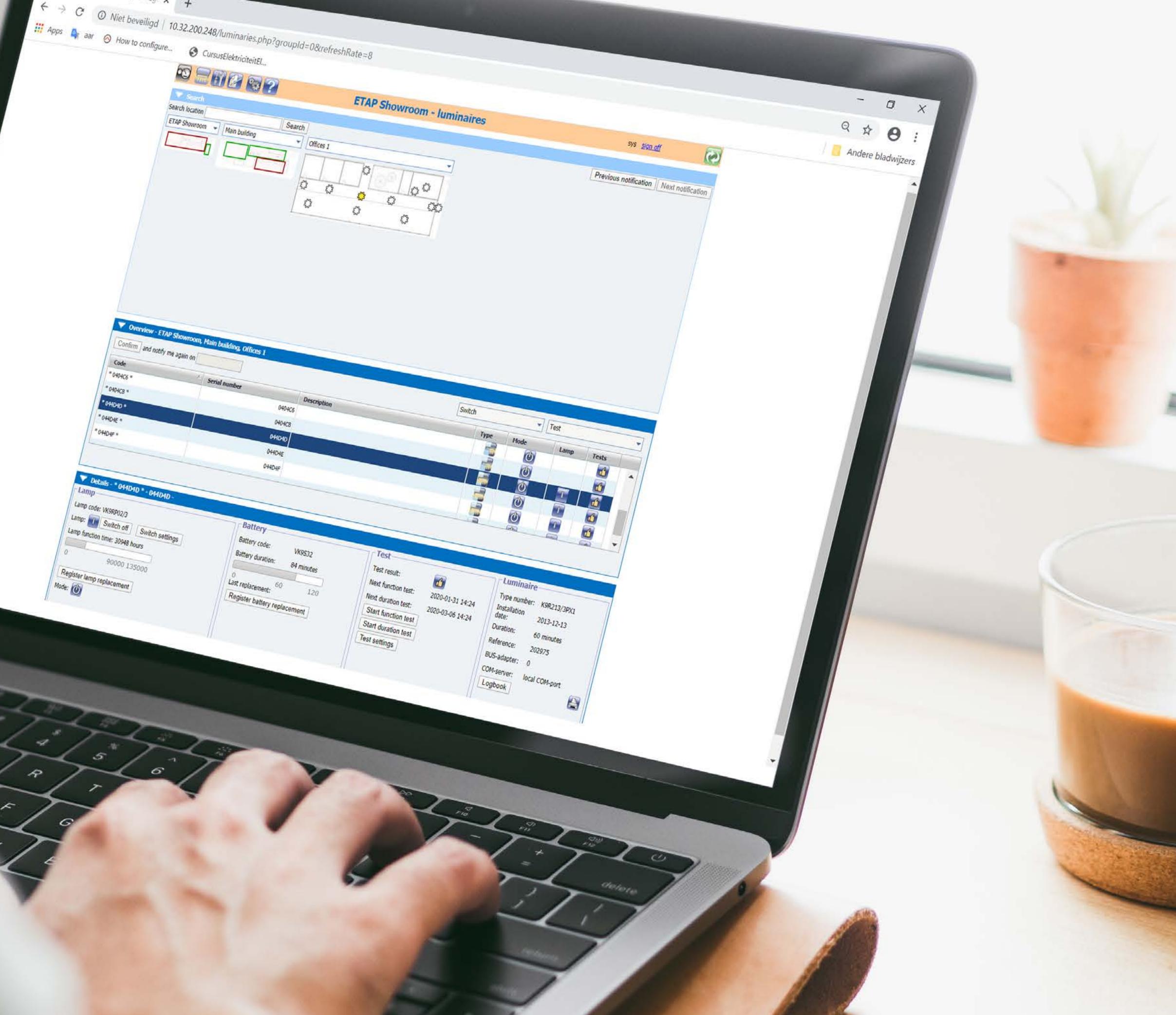


# ETAP Safety Manager

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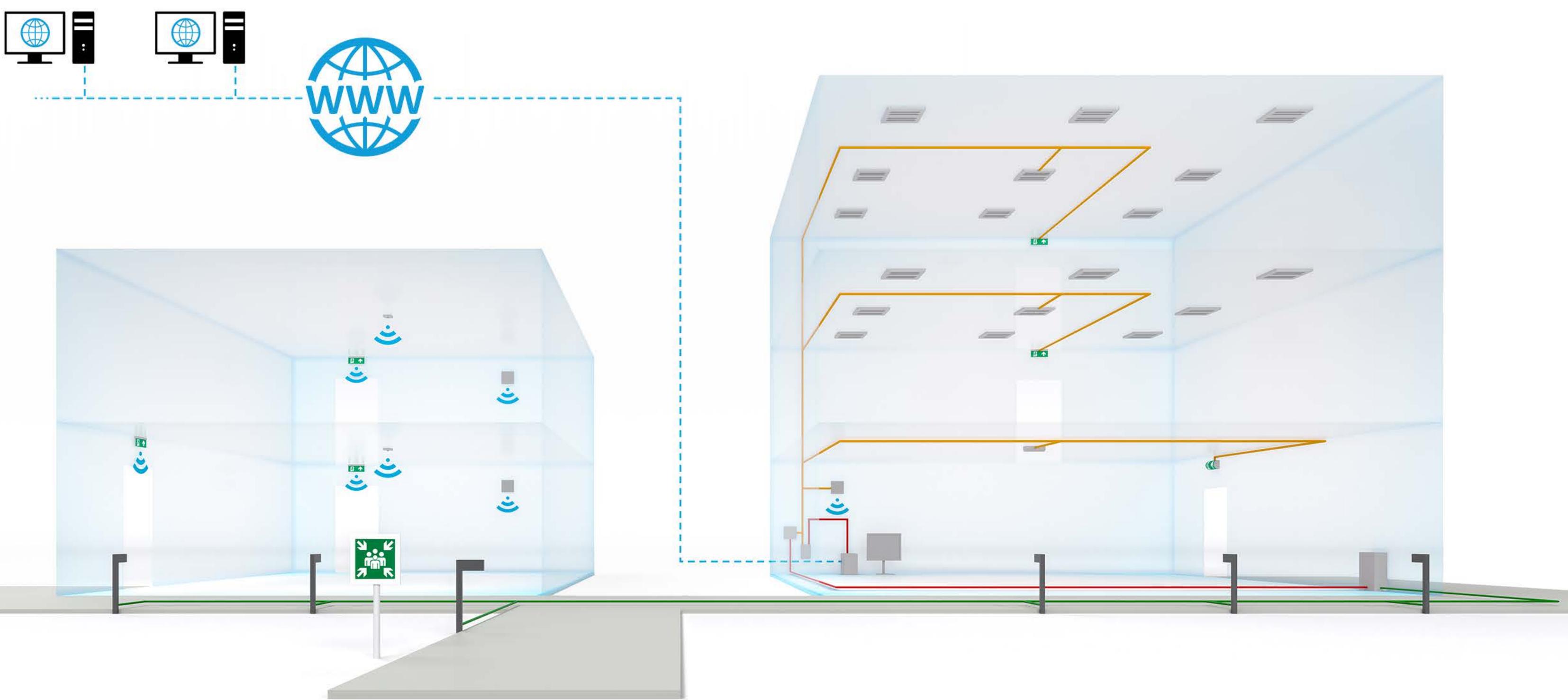


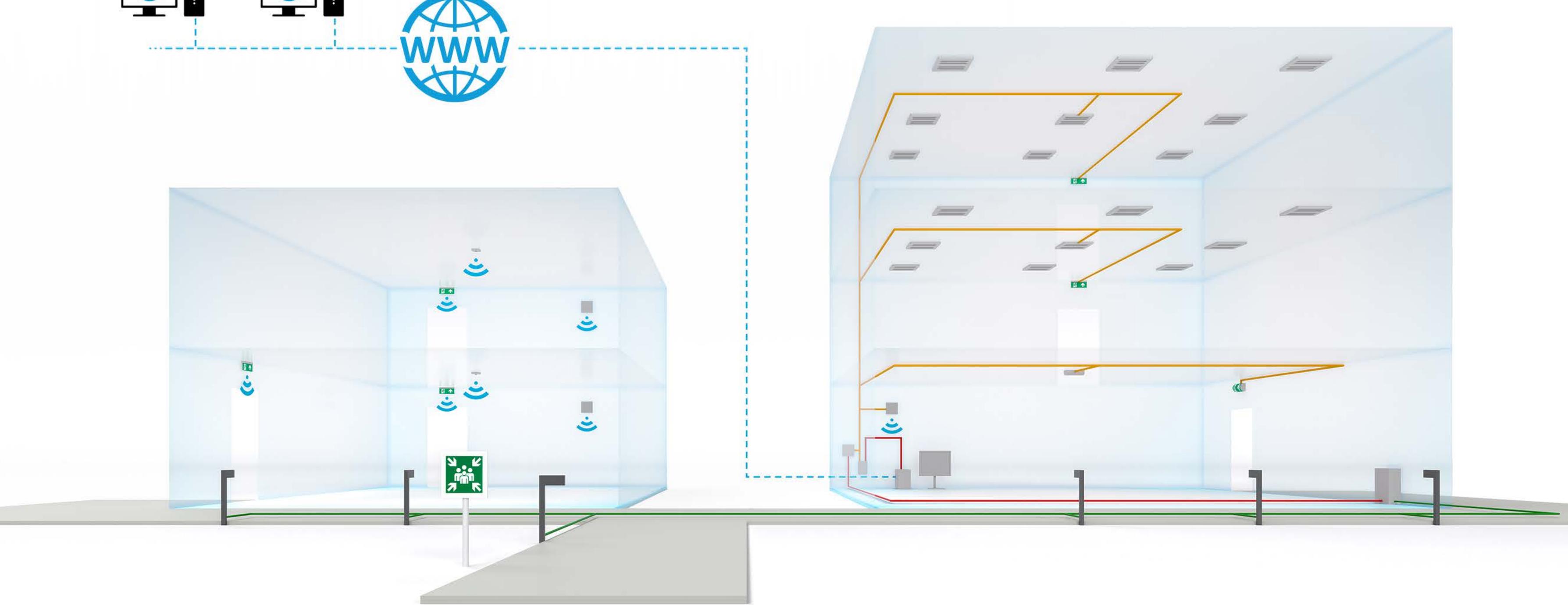




# Your emergency lighting under control: everywhere, anytime

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









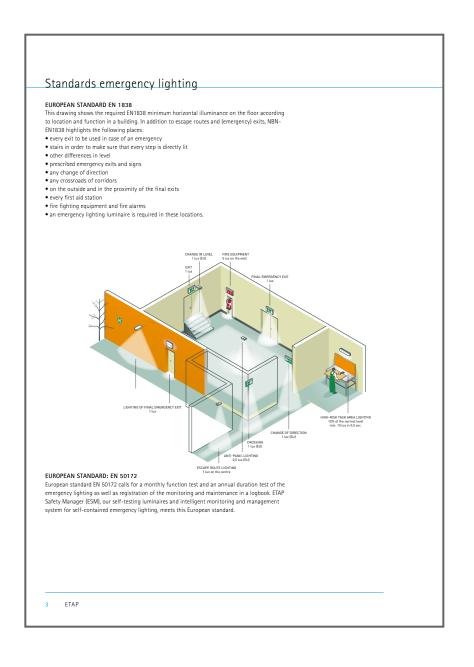
# ESM | Emergency lighting needs to work



## 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.

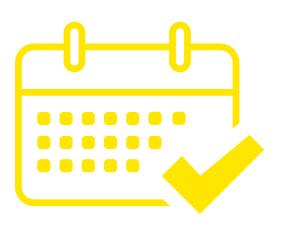






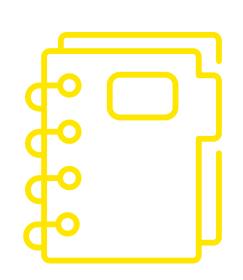
The building manager (or an appointed qualified expert) is responsible for the proper functioning of the emergency lighting.

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

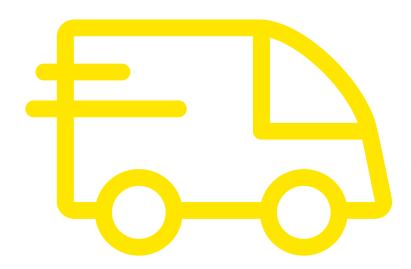
3. Up-to-date emergency lighting file (with results 1. and 2. in a logbook)







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.



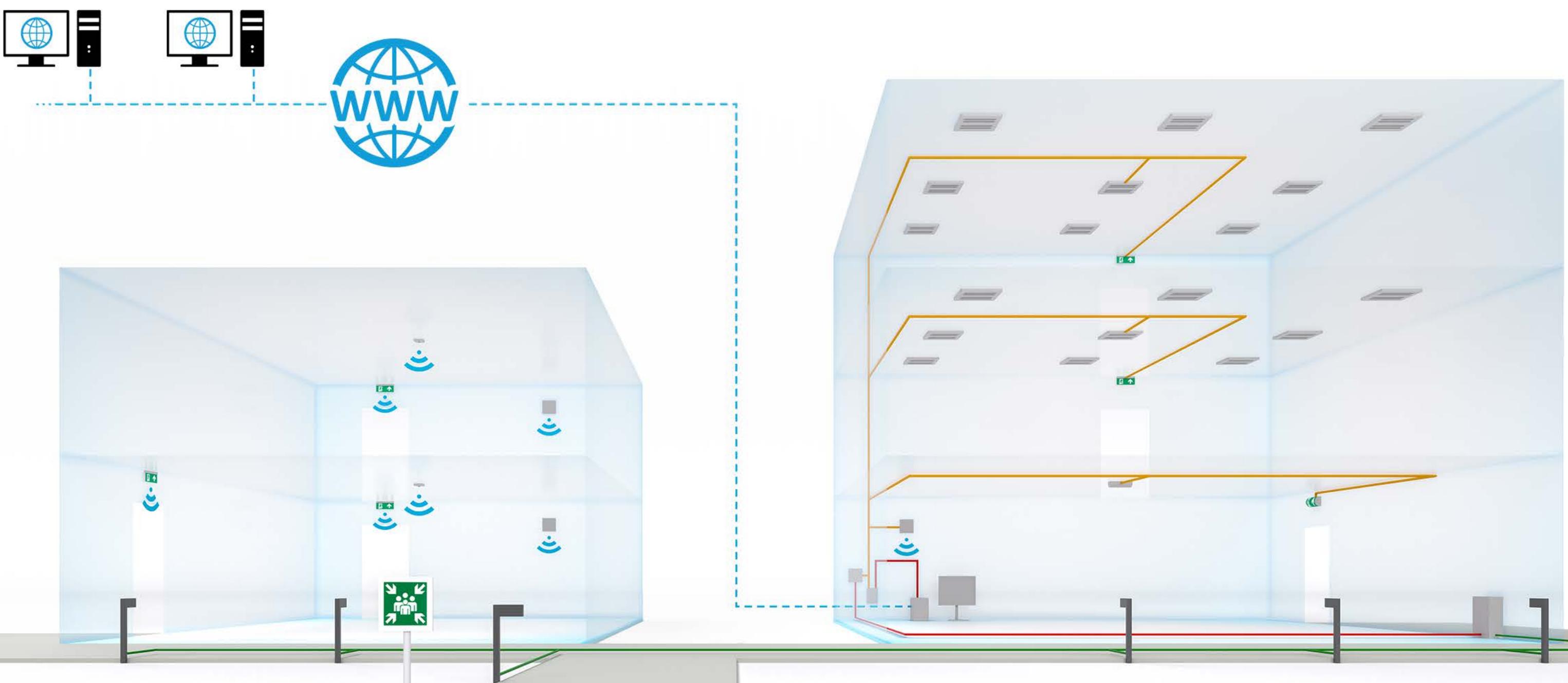
In addition to the tests described above, an annual visual inspection to check the condition of the installation remains necessary. ETAP services can help with performing this inspection and the effective maintenance of your emergency *lighting installation.* 

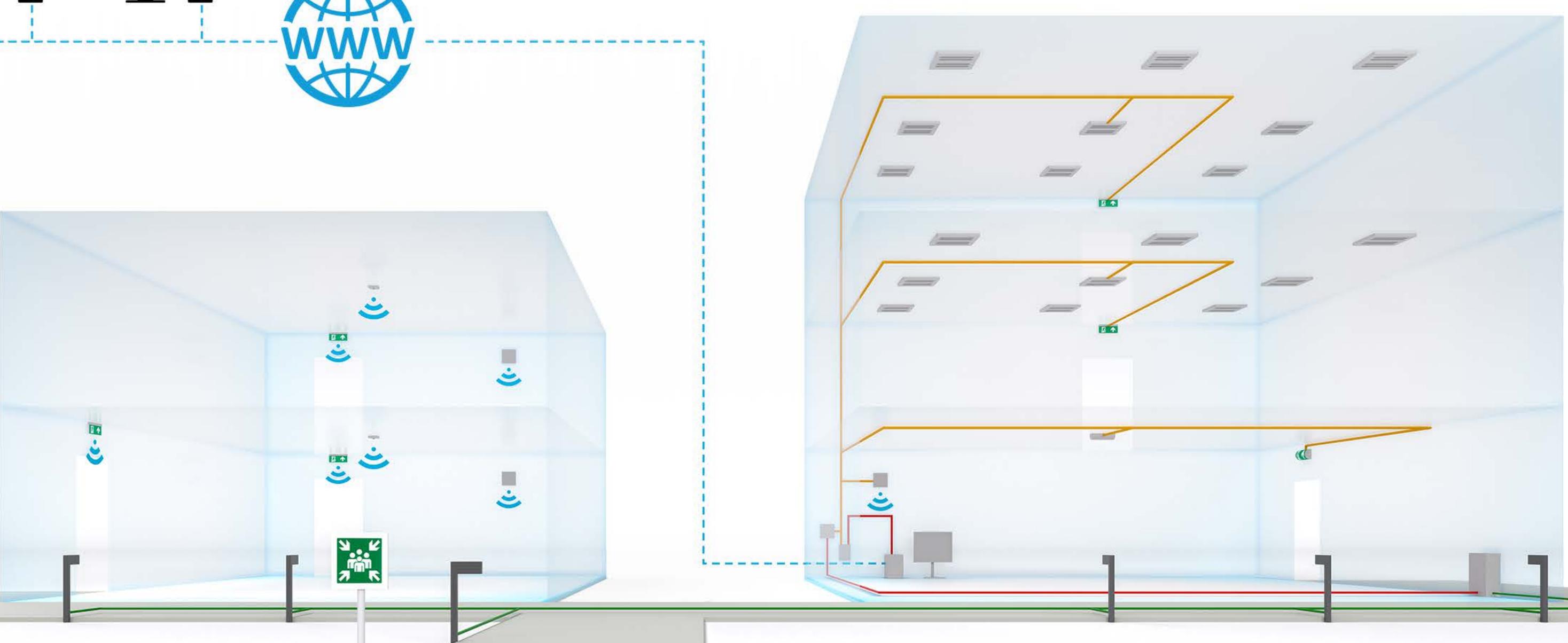




With ESM you can monitor and manage emergency lighting in multiple buildings, from any location:

- ① Online via the ETAP ESM portal;
- <sup>2</sup> 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 followup. If a luminaire is defective, you will receive a message.

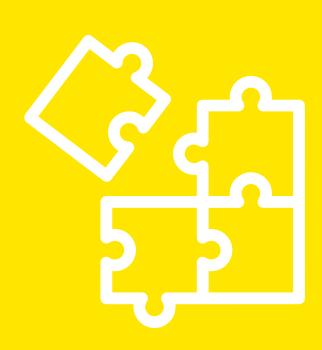


## Suitable for the integration of:





## Self-contained luminaires



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

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

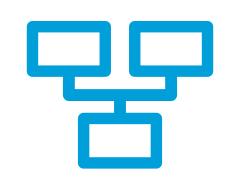


### Lighting luminaires with LED module for emergency lighting





## Lighting luminaires with emergency unit



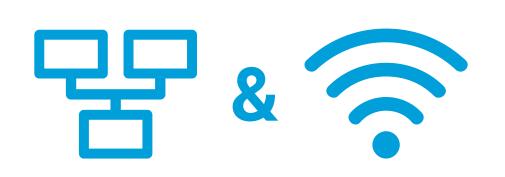
## 1. WIRED

## Web controller and luminaires communicate through a BUS.



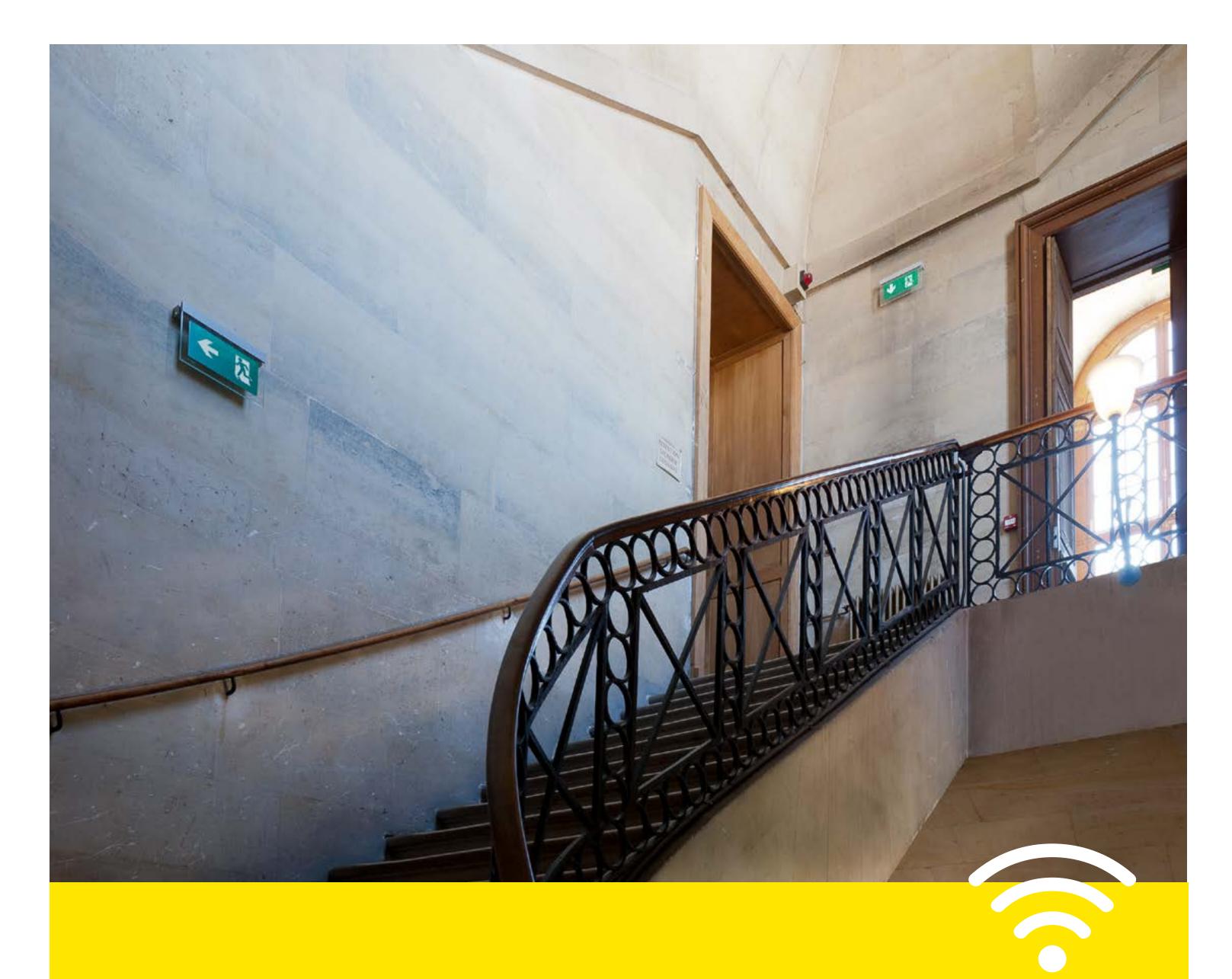
### 2. WIRELESS

### Wireless communication with luminaires.



## **3. COMBINATION 1 AND 2**

Combined wireless and wired networks are possible.



### WIRELESS ESM ADVANTAGES:

- to wired.
- luminaire.



 No additional communication cabling required, you avoid disruptive surface-mounted cabling. • Equally reliable and with a similar investment cost compared

• Unlike other wireless control systems, the other luminaires are not affected (star network) in case of a defective or relocated

## **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.



## 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).



## **OPTIONS**

For the integration of EBS (central battery system):

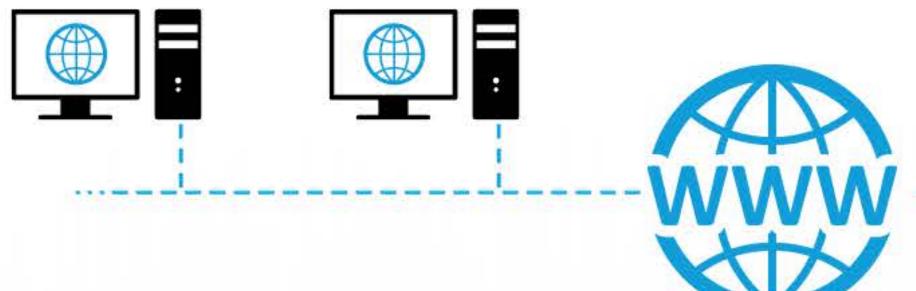


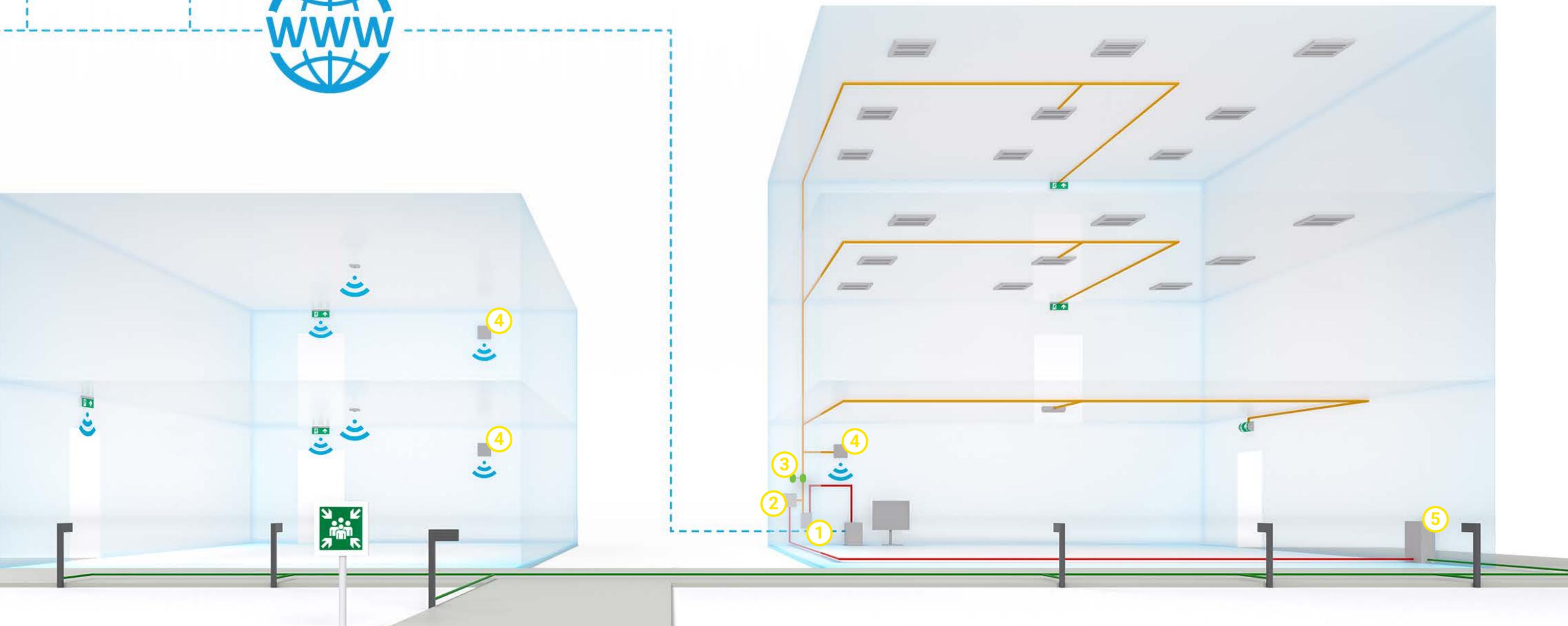
An ESM – EBS gateway connects central battery systems (EBS) with ESM.

**For other ESM configurations**, click here.

- 1 ESM-web controller
- <sup>2</sup> ESM-EBS Gateway
- 3 Master
- A Repeater
- <sup>5</sup> ETAP battery system (EBS)

- ESM circuit
- Local network (Ethernet)
- -- Internet
- Electrical circuit for outdoor lighting
- Solution Wireless network with emergency lighting luminaires



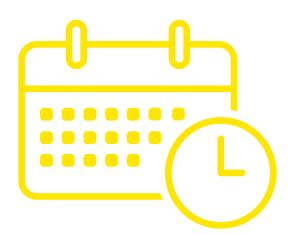




ESM closely follows the status of your emergency lighting. You can see at a glance whether all luminaires are working correctly. The installation is monitored and actively managed:



You know at any time when maintenance is required.

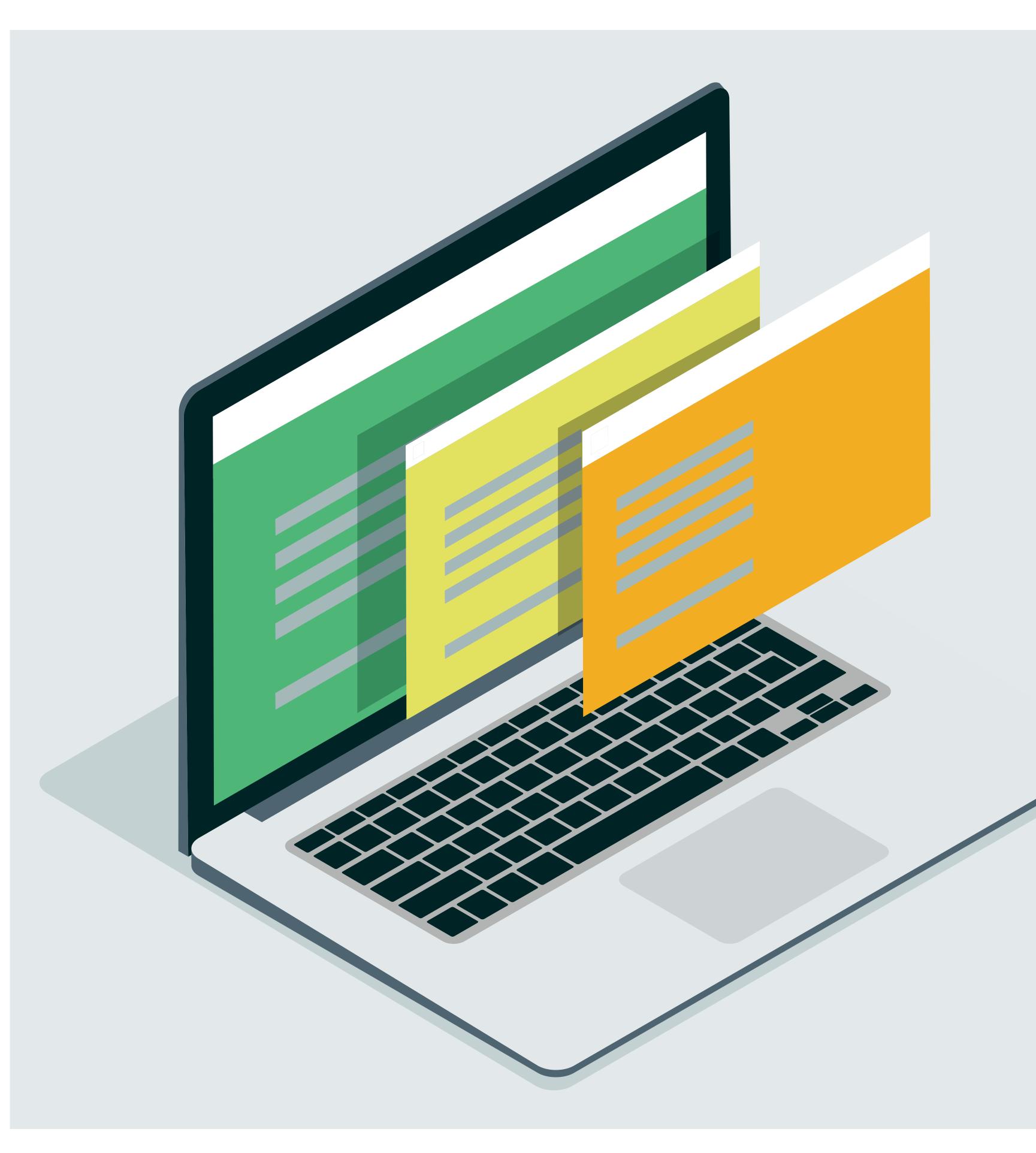


You can schedule the test moments yourself.



You will be notified in the event of malfunctions.

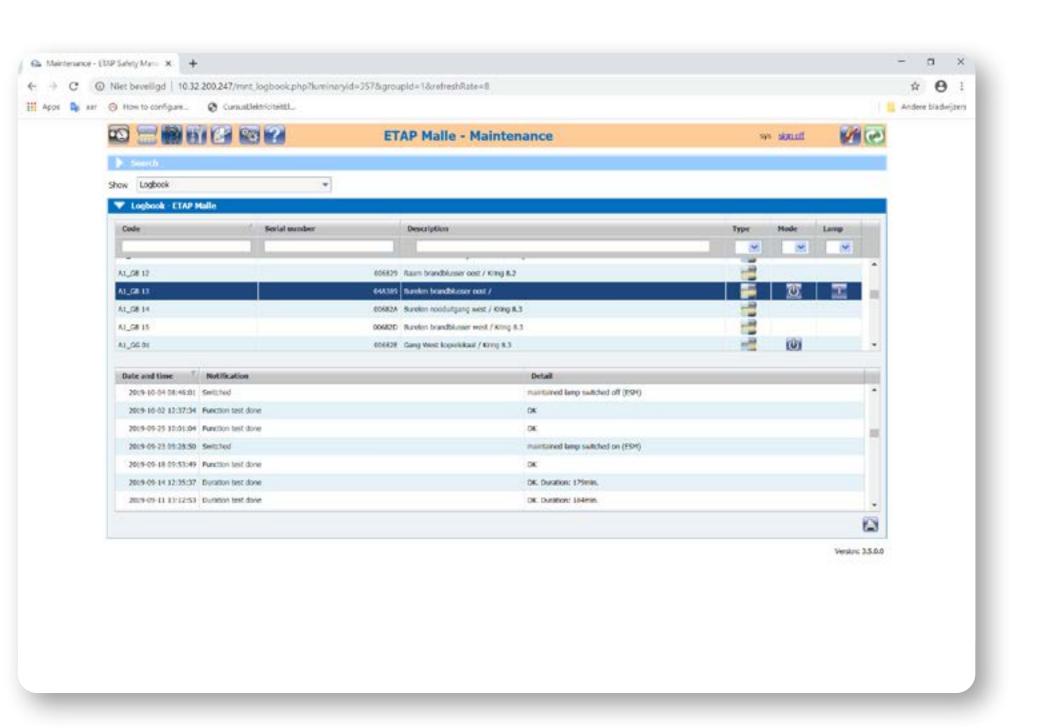






# ESM | Save time and money

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



### **Detailed info:**

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

<b>1</b>		2 7 7	ETA	P
active poster	r commonds	FTA 0 44-8-		
Code	Serial number	Description	COM-port - BUS-adapter	1
05_52	CC%EE#	Burtel V V oolt	local COM port /dm/18y50 - 6	
A6,05	024123	Zone A& West	local comport /dev/ttyso - 6	
A12_02	008417	waterzuwering urtgeing	Incel COM port /dev/ttysia - 0	
A3,397.23	GIASCE	Deur nam All / Kring 3.4	local COM-port /dev/ttyS0 - 6	
A15_T 03	003827	Zone TR	local CEPH port /dev/thylai - 0	
05_00	OCHECA	Dureel V V oost	local COM-port /dev(th/S0 - 0	
A13_01	008419	Waterzuwering schakeikast	local COM-port /dev/ttyS0 - 0	
A3_GA 02	006611	Ares 2 / Kring 9.3	local COM-port /dev/tty50 - 0	
52_11	042050	Deur near 61 picto / Kring 1	local COM-port /dev/tty50 - 0	
47,05	03369C	Zone A7 West	local COH-port /dev/th/50 - 0	
A6,05	024122	Zone Ao West	Ioosi COM-port /dev/ttyS0 - 0	
47,26	032615	Zone A7 West	local COM-port /dev/th/50 - 0	
A1_VB 19	011766	K9 Picto Dallý Kring 9.3	local COM-port /dev/ttyS0 - 0	
A14,501	058A02	Resource Foutmelding K3	local COM-port /dev/th/50 - 0	



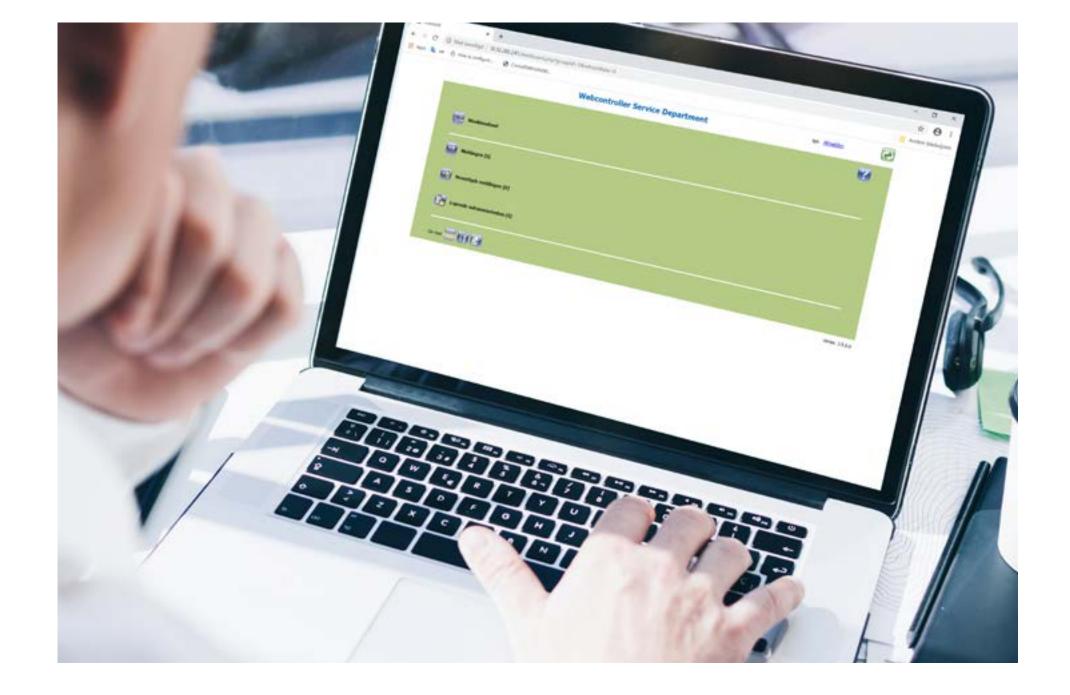
## **Efficiently scheduled** maintenance based on information about lamp burning hours and battery duration.

- a x \* 0 &groupId=1&refreshRate=0 Andere bladwijzers Vilealle - Maintenan thursde ave 001 and redister the lamp seplacem hange the lamp OUTI01/001 and register the lamp replacement thange the lamp OEFTIG1/001 and register the lamp replacement ange the lamp VK25225 and register the lamp replacement neck whether the mains voltage for this luminaive is continuous. Only in that case the battery will fully charge and a du oftage for this luminaire is continuous. Only in that case the battery will fully charge any Check whether the mains voltage for this luminase is continuous. Only in that case the battery will fully charge and a d Change the bettery VKX523 and register the bettery replacement. Send the luminaire to ETAP if the problem lasts Change the battery VK15140 and register the battery replacement. Send the luminaire to ETAP if the problem lash Verality: 15.0.0

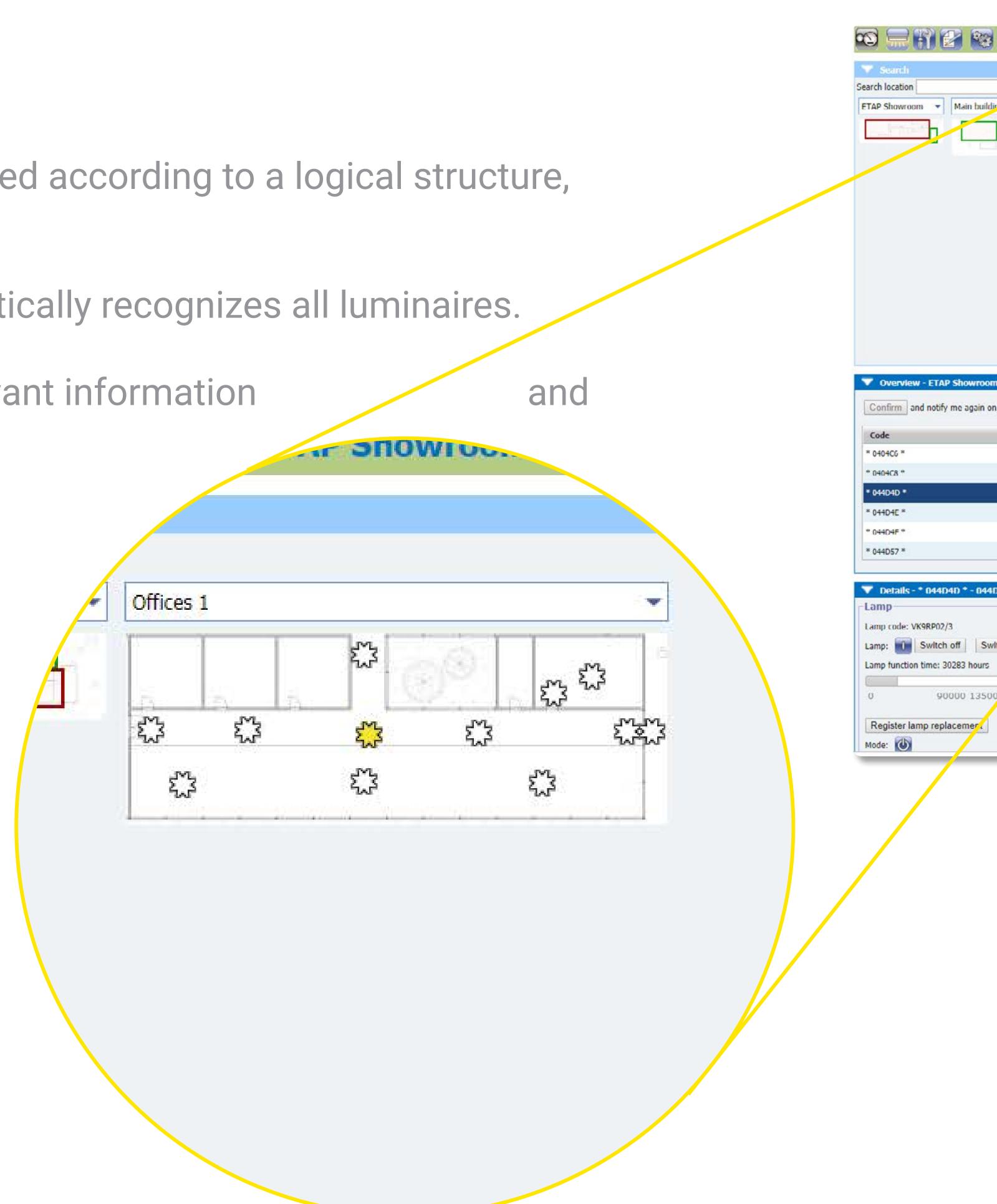
**Central management** from one point, by one person.



		ETAI	P Malle - Maintenance			es skaudt 😿
b Seach						
Show Preventive m	riaintenance for la	Tos · Lamp function time >	opected lifetime 🔹			
V Preventive m	aintenance for I	angs - ETAP Malle, Verlichting A, AL : plan	VV 44.1+2 / Kring 8 + 9, Gelijkvloer	plan VV44.1 / Kring B		
Code	Serial number		Lang function time	Expected lifetime	Last lamp replacement	Replacement code
			(hours)			
11.04.02	Contract of	Les Marca 1				OLF1913/011
A1_GA 02 A1_GB 08		Ares 2 / Kring 8.3 Burrien gang pido cost / Kring 8.2	9013	7000		OLF1001/011
A1_08.12		Rasm brandbluster cett / Kning 8.2	7574	7000		OLFT006/011
A1_08.14		Burelen noodutgang west / Kring 8.3	8701	7000		CKF1004/011
41 06 00		Gong West Ropicickasi / Kning 8.3	596523	7000		1204007300
A3_G6 02		Geng schekelkast / Kong 8.3	10072	2000		OUFT000/011
A1_56.05		Gang deur goniometer / Kring 8.2	596523	7000		OUP1008/011
A3_GG 87		Geng verbindingsdeur cost / Kring 8.2	10115	7000		00/7008/011
A1_99-11	006827	Gang deur midden west/ Kring 8.3	96/9	2000	2018-11-27	0071008/011
A3_58.63	007346	Labo deur	10112	7000	2018-11-27	OUFT000/011
A1_0L-05	007343	Labo brandbilusiaer	10115	2000	2018-11-27	OLF1008/011
_						1.0000000000000000000000000000000000000
				0	ute:	Register lamp replacement
						Version: 3.5.0.0



- 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 actions.



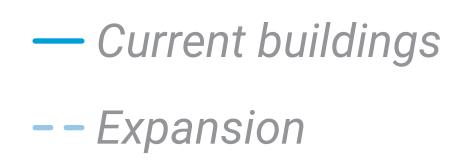


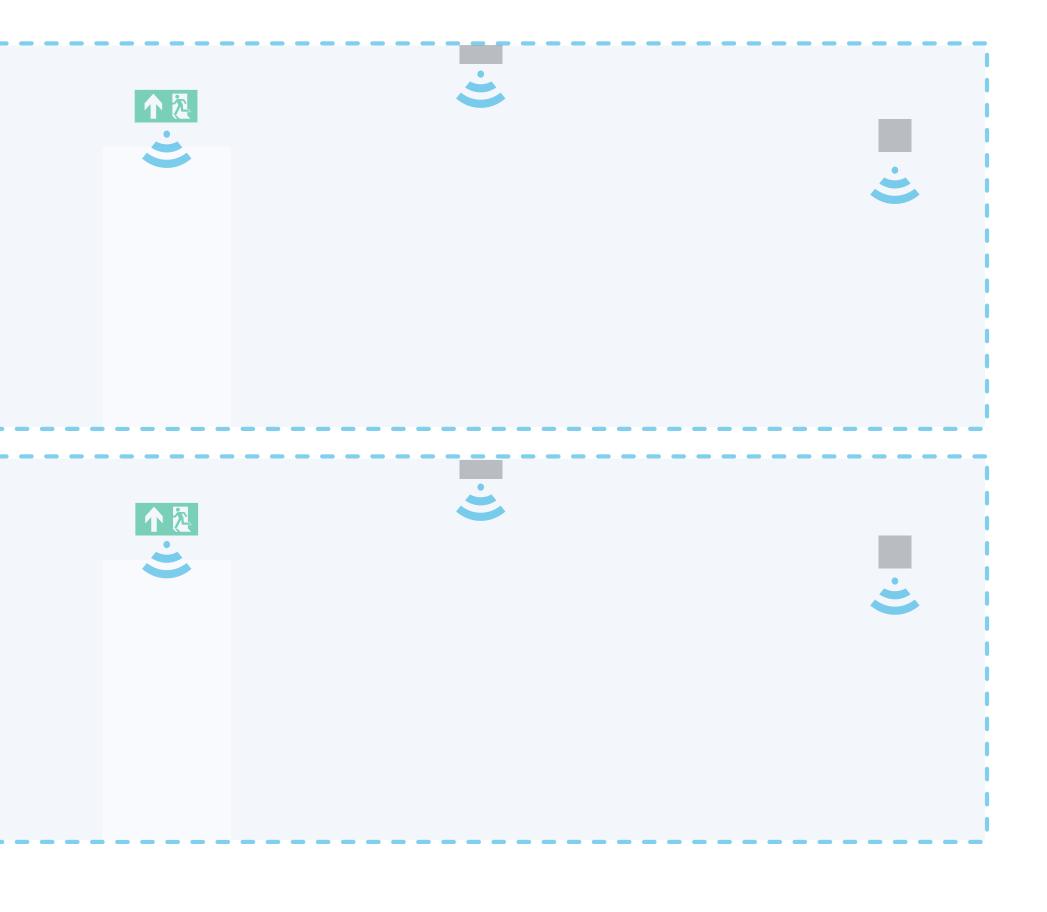
?	ETAP Showroom - lumi	inaires			sys <u>sign off</u>		
Search	ices 1	-		Previ	ous notification	Next noti	ficati
		Switch	l'anna	1	Test	Tests	
	Description 0404C6	Switch	Туре	Mode	Test Lamp	Tests	
	Description	Switch	Туре	Mode	2. Little	6	
	Description 0404C6	Switch	Туре	Mode	2. Little	<u>له</u>	
	Description 0404C6 0404C8	Switch	Type	Hode () () () ()	Lamp		
	Description 0404C6 0404C8 044D41	Switch	Type	Hode () () () () () ()	Lamp		
	Description 0404C6 0404C8 044D402 044D42	Switch	Type	Hode () () () ()	Lamp		
Serial number	Description           0404C6           0404C8           044D4C1           044D4C1           044D4C2           044D4C3		Type	Hode () () () () ()	Lamp		
Serial number	Description           040406           040408           0440404           044047           04404F           044057	Test	Type	Hode () () () () () () () () () ()	Lamp		
Serial number	Description           0404C6           0404C8           044D4C1           044D4C1           044D4C2           044D4C3		Type	Hode U U U U U U U U U U U U U	Lamp	R213/3PX1	
Serial number	Description 0404C6 0404C8 044D4 044D4 044D4 044D4 044D57 Battery code: VK9S32 Battery duration: 84 minutes	Test Test result:	Type	Hode C C C C C C C C C C C C C	Lamp	R213/3PX1 13-12-13	
Serial number	Description 0404C6 0404C8 044047 044047 044047 044057 Battery code: VK9S32 Battery duration: 84 minutes 0 60 120	Test result: Next function test:	Type 	Hode () () () () () () () () () ()	Lamp	R213/3PX1	
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Aain building, Offices	Descrir Jon 0404C6 0404C8 044D4 044D4 044D4F 044D57 Battery Battery code: VK9S32 Battery duration: 84 minutes	Test Test result: Next function test: Next duration test: Start function test	Type 	Hode () () () () () () () () () ()	Lamp Lamp Uninaire penumber: K90 stallation ite: 60 eference: 200 JS adapter: 0	R213/3PX1 13-12-13 minutes	

# ESM | ESM grows along with your needs

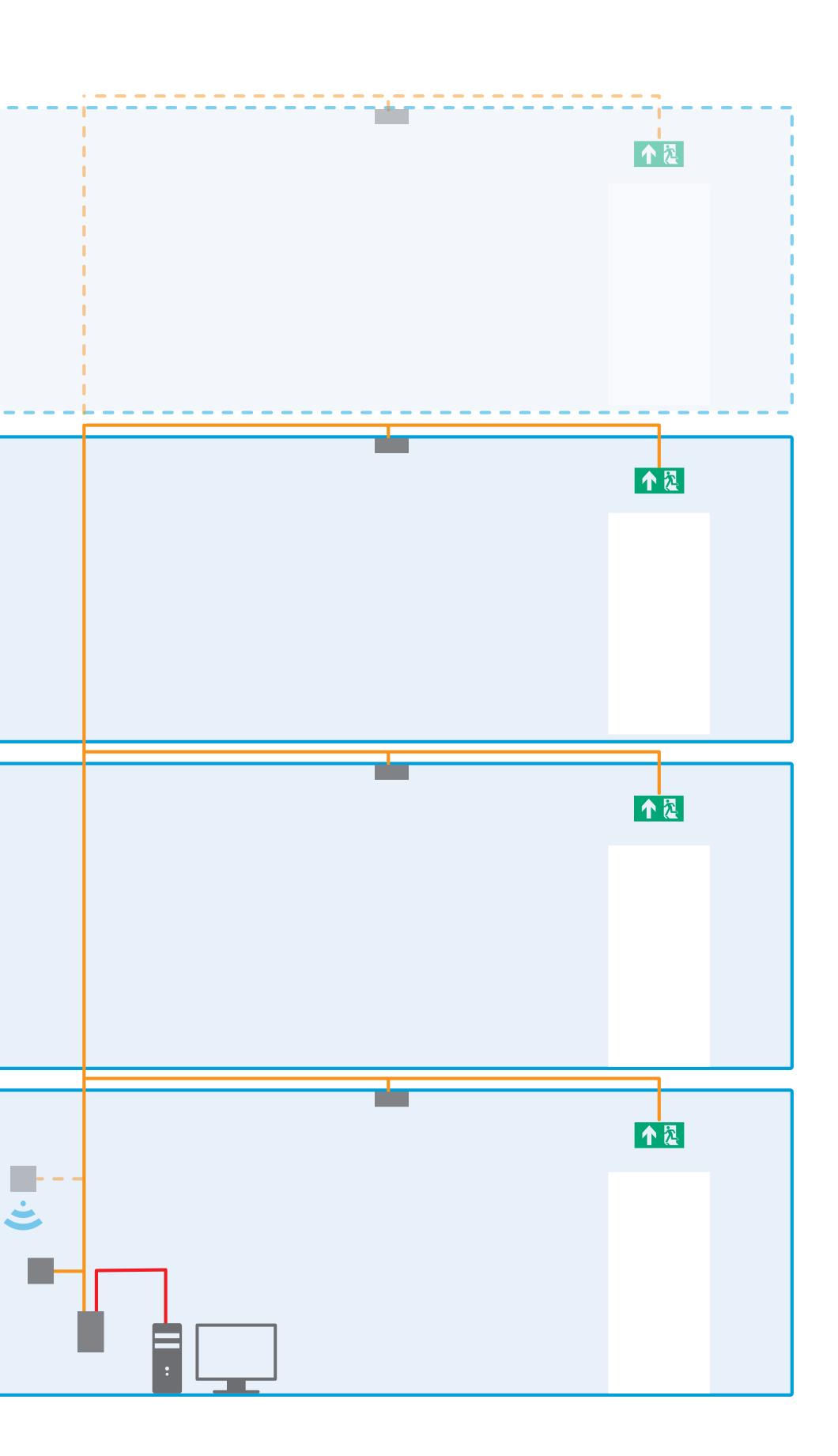
If the structure of your building changes, you can easily adjust this in ESM:

- 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.













**4** www.etaplighting.com



