Helvar 100 YEARS

European indoor lighting standards

Helvar intelligent lighting controls solutions

Tbilisi 26.04.2023

Presented by
Przemyslaw Skorupa
Regional Director of Eastern Europe


Helvar
100 YEARS

Helvar 100 YEARS

Turning Everyday Places into Brighter Spaces

Sustainability, Wellbeing and Insights for Smart Buildings

250+
EMPLOYEES
AT HELVAR

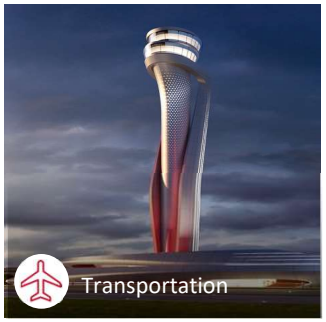
80+
PARTNERS
WORLDWIDE

275,000+
PROJECTS
WORLDWIDE

20m+
DALI POINTS
WORLDWIDE

75+
COUNTRIES
USING HELVAR

135+
PATENTS
REGISTERED



Certified Experts

- leaders in the field of future-proof spaces

CIBSE

SMARTSCORE CERTIFIED 2021 | SMARTSCORE CERTIFIED 2021 |

SmartScore
CERTIFIED

WELL
GOLD 2020

Helvar

Global Alliances

Helvar

Renowned Global Projects

Helvar

Award-winning Solutions

We're proud to have market leading solutions and projects.

DALI awards to Helvar :

2022 Winner - Commercial & Professional - Royal College of Physicians HQ,UK

2022 Highly Commended – Healthcare- Hospital Nova, Finland

2022 Highly Commended – Industrial – Oyak Renault Factory, Turkey

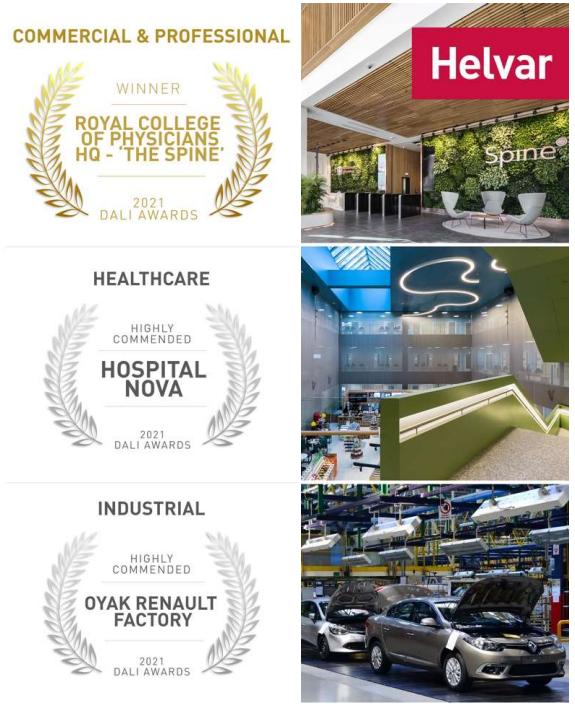
2021 Best Outdoor Project - Column of Immaculate Conception, Italy

2021 Special Recognition - Best Large Project - The Presidential Palace, Turkey

Frost & Sullivan Product of the Year 2020 – ActiveAhead Generation 2

LUX Product of the Year 2020 – ActiveAhead Generation 2

BETA Awards - Product of the Year 2020 – ActiveAhead Generation 2



Helvar

Our Purpose

Right now, it's crucial to reduce our energy usage with smart and future-proof solutions. That's where we step in.

We are human-centric lighting experts – the lighting in spaces where we work, learn, and relax needs to be fine-tuned to our needs.

The rise of smart buildings is here, meaning data insights and intelligent systems are more important than ever before.

Helvar

BUILDINGS OF THE FUTURE ARE ABOUT **YOU**

WHY

IS THE DESIGN OF FUTURE BUILDINGS IMPORTANT

DO I REALLY SPEND

90%

OF MY LIFE

INDOORS?

STANDARDS

ARE DRIVING CHANGE

DALI 2

INTERNATIONAL WELL BUILDING INSTITUTE™

EN12464-1

STANDARDS

ARE DRIVING CHANGE

DALI 2

IEC 62386

Digital Addressable Lighting Interface

- **DALI®** is the industry-standard protocol (*language*) for bi-directional, digital communication between lighting-control devices.
- Technically managed in the open, global standard **IEC 62386**
- **DALI-2™** is the latest version of the DALI protocol
- DALI-2 certification is driven by the **DALI Alliance**

The global industry alliance for DALI

Helvar

DALI® Alliance

- The **DALI Alliance** is an open, global consortium of lighting companies that aims to grow the market for lighting-control solutions based on DALI.

- Over **300** members worldwide

DALI & DALI-2

Helvar

The strengths of DALI ...

- DALI is a dedicated, standardized protocol for digital lighting control.
- DALI lighting systems are robust, scalable, cost-effective, reliable and flexible.

... are extended and enhanced in DALI-2

- Standardised DALI Controls (Devices)
- Improved Quality via Certification
- Focused on interoperability
- Added Features & Functionality

DALI Alliance

KEY FEATURES OF DALI-2

Helvar

Focuses on multi-vendor interoperability, backed by DALI-2 certification.

Introduces more detailed and comprehensive testing requirements.

Extends to all devices in a lighting control system, including input devices (e.g. sensors) and application controllers.

DALI-2 Certification is driven and supported by the DALI Alliance

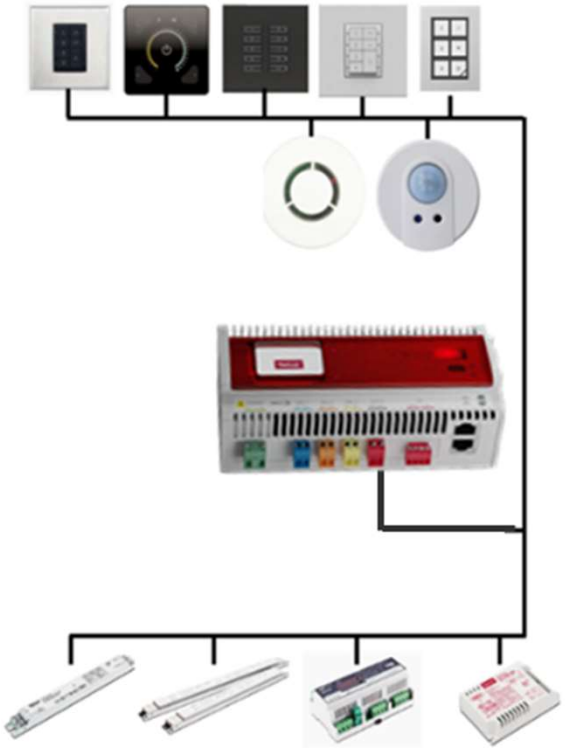
Helvar

Key Technical Features

DALI 2

DALI-2 Protocol: Key Features

- DALI enables:
  - Control, configuration & querying of DALI devices
    - **DALI power and data on same pair of wires**
- Individual, group & broadcast addressing to **any** DALI device
- Recall of **pre-programmed** scenes
- Each DALI subnet has a maximum of **128 addresses (64+64)**
  - **64 control gear** (e.g. LED drivers)
  - **64 control devices** (e.g. sensors)



DALI Systems: Wiring and Bus Power

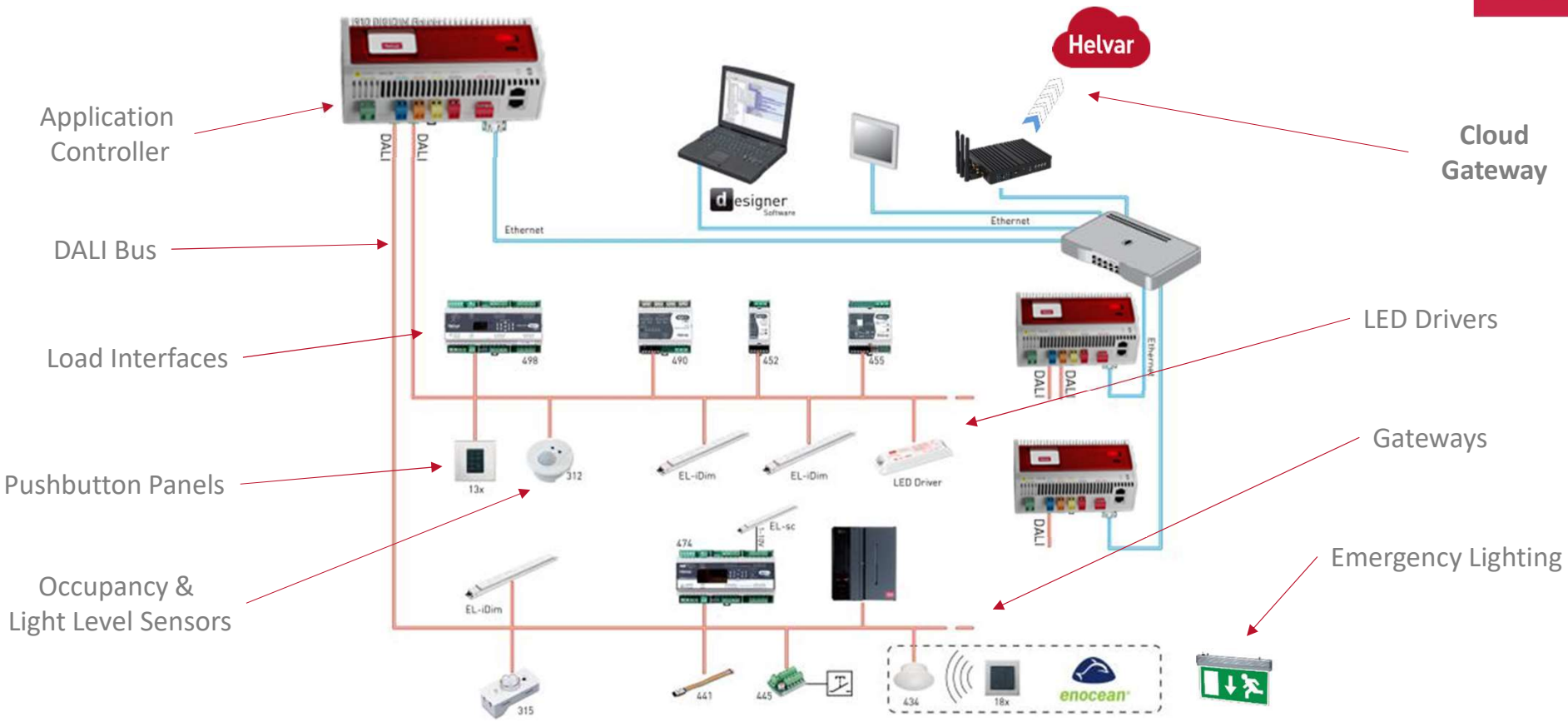
- DALI uses a **2-wire bus** for communication (commands/data)
  - **Power and data on the same pair of wires**

- DALI bus must be powered to allow communication
  - **250 mA max**. bus power supply
  -
- **Standard 2-core cable** (1.5 mm^2) can be used

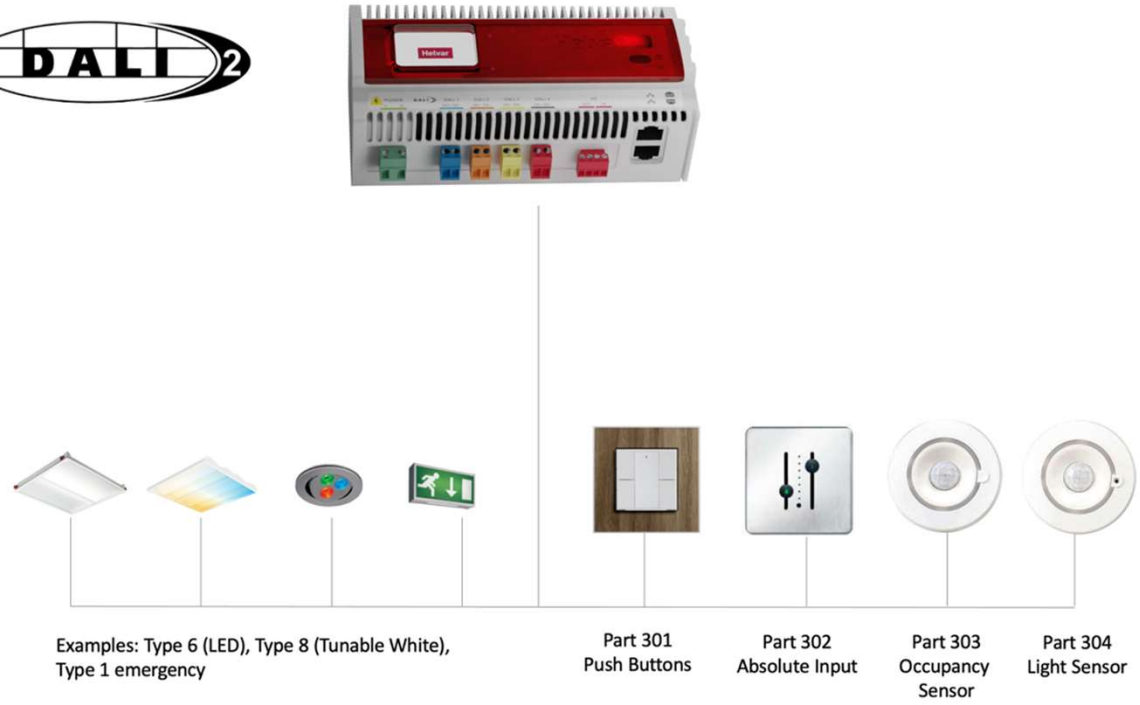
- **Maximum 300m** cabling recommended (between furthest-apart devices)

- **Polarity-free & free wiring topology** is allowed
  - Bus wiring can use daisy-chain or star connections, or combinations
  - A closed loop should not be used

DALI-2 Solution Overview



Multi-Master Application Controller



950 Application Controller

Key features (in-built)

- 4 x DALI-2 Multi-master networks
- LCD for DALI network testing and alerts
- DALI-2 controls
- Helvar DALI devices (DigiDim)
- Astronomical Timeclock and Scheduler
- Emergency Lighting
- Light over time
- Configuration stored in system

Key Solution Products

Application Controllers

Sensors

Panels

Apps and GUIs

Integration

Load Controllers

DALI-2 Benefits and Features

Helvar

Flexible & Scalable

Integration & Smart Building

Sustainability and Energy saving

Low Maintenance

Comfort & Safety

iC

Wellbeing & HCL

Customizable programming
Conditional logic
DALI repeaters
12800 lights and inputs
65535 groups
128 scenes

Floorplan visualisation
Integration (APIs, BMS, AV)
Apps for Web, phone and tablet
Logic (conditions, schedules)
Multi-site connectivity
Occupancy analytics

Presence detection
Absence detection
Daylight harvesting
Scheduling
Energy reporting
PIR timeout optimisation
Load trimming
Load shed

24/7 Monitoring
Alerts and notifications
Alerts with recommendations
Maintenance reports

Corridor Hold
Automated Emergency Test
Emergency Test Reports
Scenes
Transition timeout
Exit Delay

Tuneable white UIs
Circadian Rhythm
Colour Control

Standardised / Certified

DALI 2

Multi-vendor interoperability
Application controllers
64 lights + 64 inputs
32 groups for inputs

Single network (lighting & controls)
Occupancy Protocol
Light level Protocol
Energy data

Longer fade time
Maintenance data
Improved quality through certification

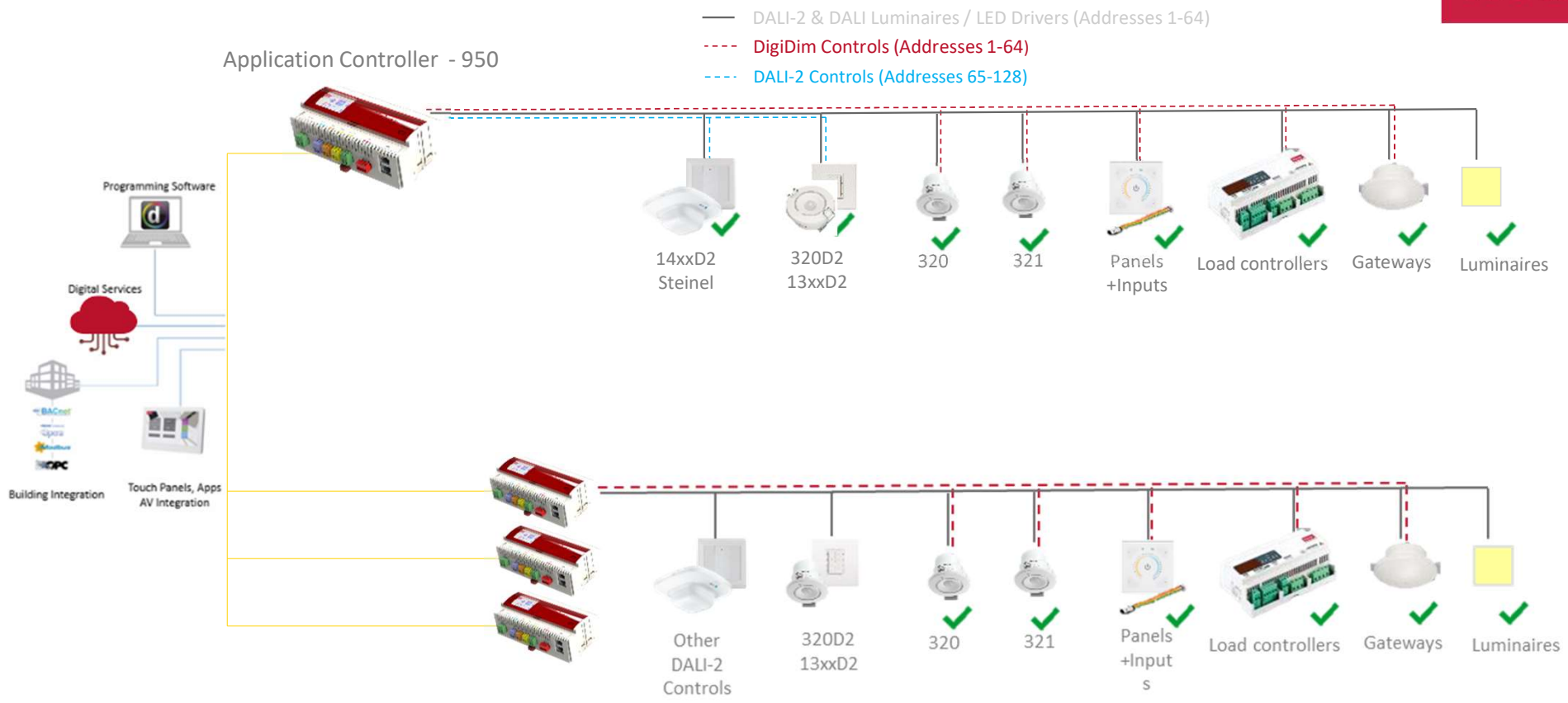
DALI

64 lights
16 Groups
16 Scenes

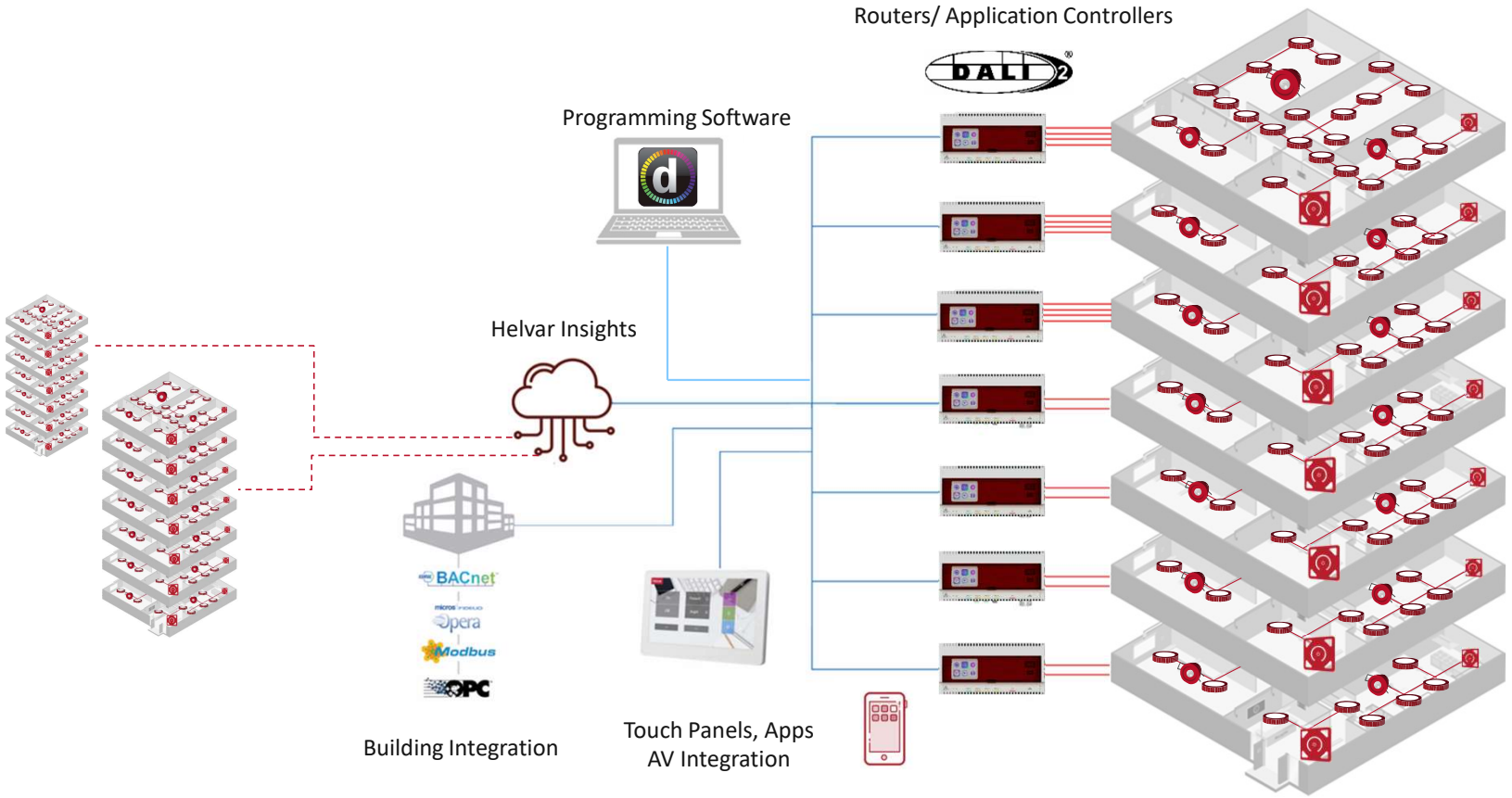
Topology & Polarity Free
Device missing data
Emergency test data
Lamp fail data

Dimming Protocol
Tuneable white & colour
Emergency Test

Solution Overview



Whole Building Solution



DALI – Emergency Lighting

- **Automated self-testing:**
  - In many countries, there is a legal requirement for periodic testing of emergency lighting

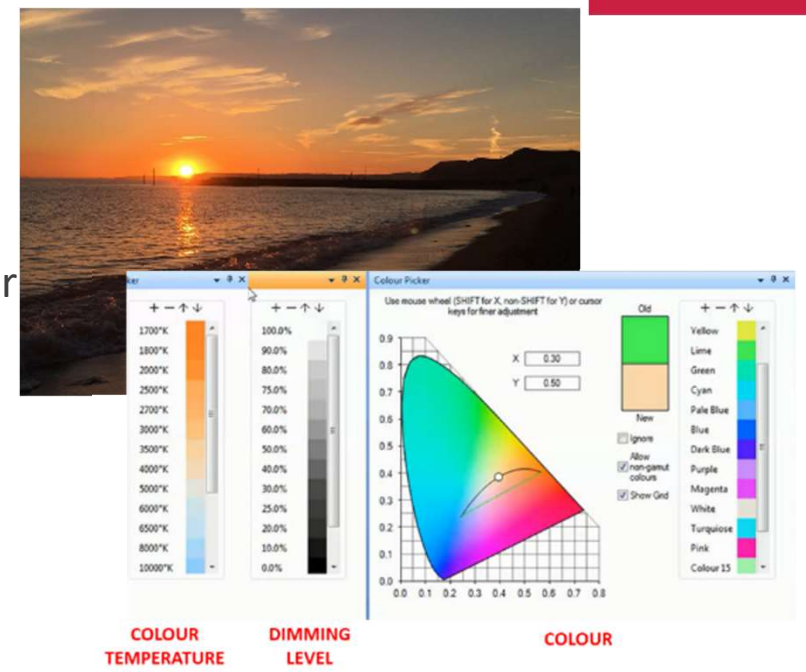
- **DALI allows testing to be automated:**
  - Function test: quick test of the battery, charging circuit, driver/relay and lamp
  - Duration test: checks operation for the rated duration (for example: 1h, 3h…)

- **Feedback:**
  - Test results and information on failures
  - Other information: Battery charge level, lamp operating hours and more

- **DALI enables illumination and emergency lighting on the same network**

DALI – Dynamic Lighting

- **DALI-2 certification** now includes tunable white control
- **DALI Type 6** & **DALI Type 8**
- Enables control of **intensity** and the **colour** output of two or more lamps from DALI control gear.
- Allows simple control of colour:
  - **RGBWAF** for individual control of each colour channel
  - **Tc (tunable white)** for colour temperature control
  - Precise and repeatable selection of colour:
    - **X-Y coordinate** (chromaticity)



- **Dynamic Lighting – Light Over Time**

Utilise Dynamic Lighting

Relax

- Lower Intensity level
- Warm white

Energise

- Highest intensity level
- Cool white

General activities and tasks

- Right Intensity level
- Neutral white

Productive

- High intensity level
- Cool White

STANDARDS

ARE DRIVING CHANGE

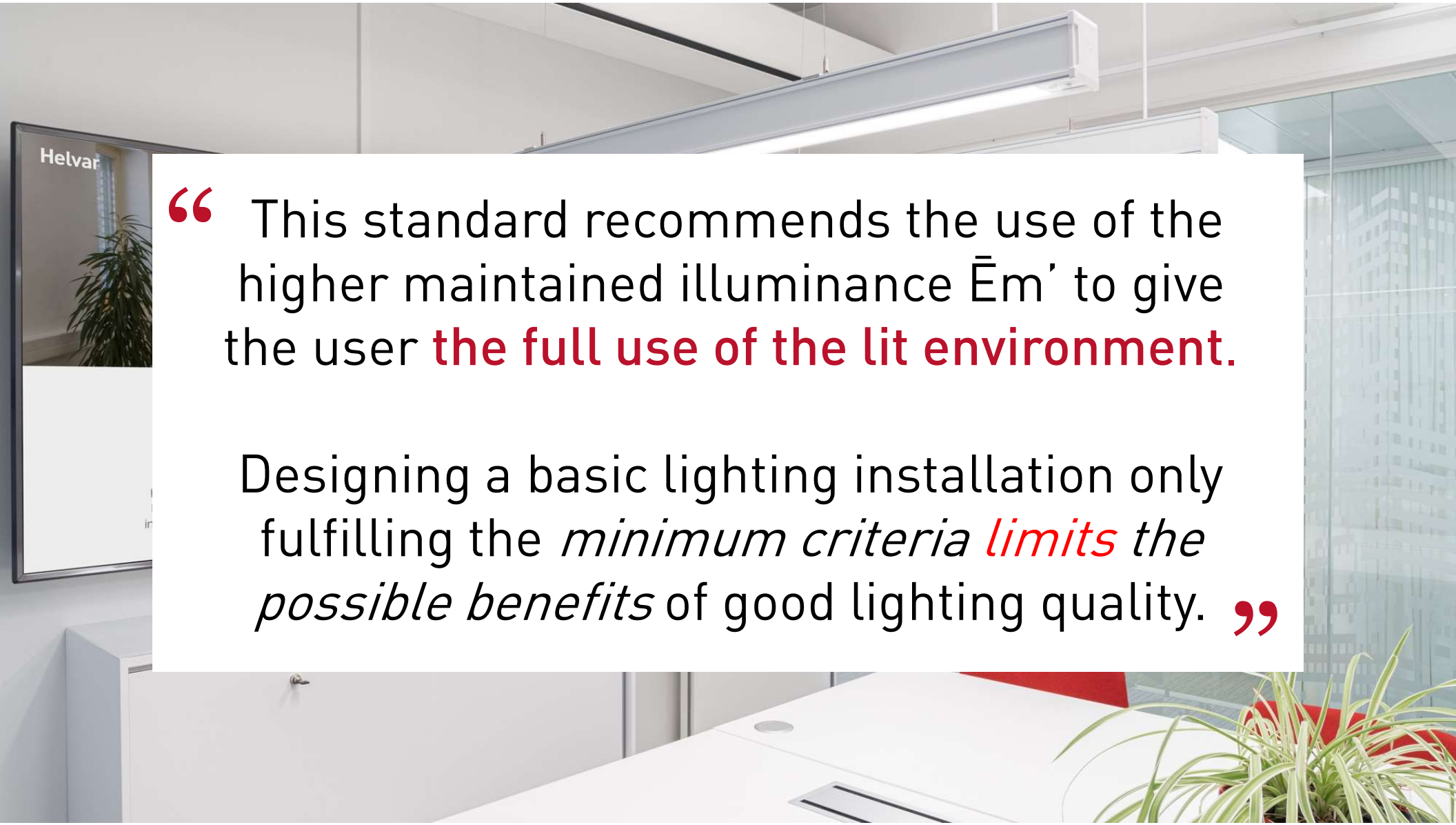
EN12464-1

THE EUROPEAN LIGHTING STANDARD

Helvar

EN 12464-1

- Specifies lighting requirements for people in indoor workplaces
- Specifies requirements for lighting solutions for most indoor workplaces and their associated areas in terms of quantity and quality of illumination
- Replaces version from 2011
- For anyone designing indoor spaces

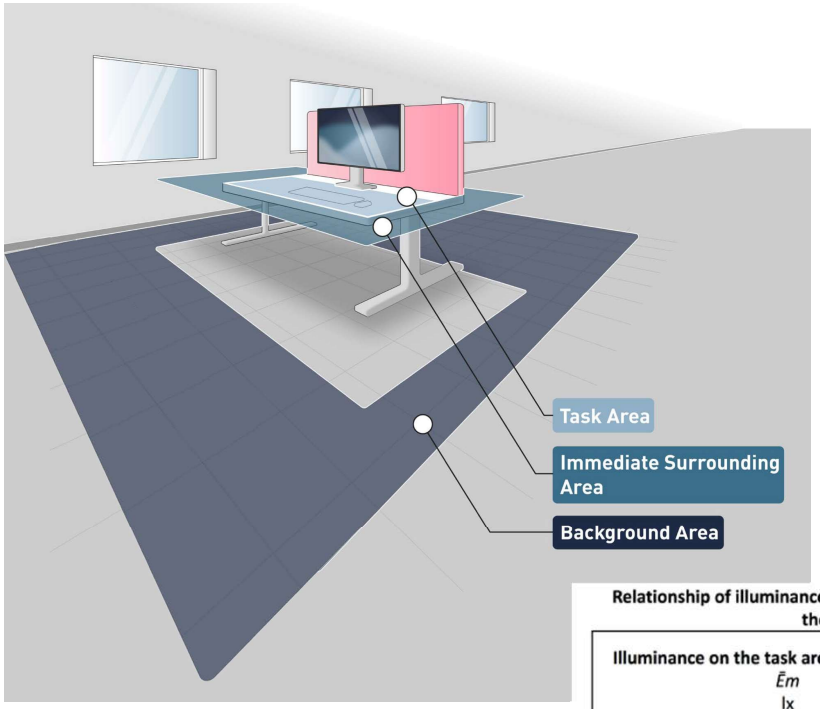


“ This standard recommends the use of the higher maintained illuminance Ēm’ to give the user **the full use of the lit environment.**

Designing a basic lighting installation only fulfilling the *minimum criteria limits the possible benefits* of good lighting quality. ”

EXPLAINING THE CONTEXT

- Task area
  - This is in the tables
- Immediate surrounding area
  - Min 0,5m – within the visual field
  - Maintained illuminance depends on task area illuminance
- Background area
  - min 3m – floor level
  - Illuminance 1/3 of immediate surrounding area illuminance



Relationship of illuminances on immediate surrounding to the illuminance on the task area or activity area

Illuminance on the task area or activity area *Ēm* lx	Illuminance on immediate surrounding areas lx
≥ 750	500
500	300
300	200
200	150
≥ 150	*equal to task area*

DESIGNING LIGHT LEVELS FOR THE FUTURE

SCALE OF ILLUMINANCE

- 50 - 75 - 100 - 150 - 200 - 300 - 500 - 750 - 1 000 - 1 500 - 2 000 – 3 000 - 5 000
- Conditions to increase maintained illuminance
  - errors are costly to rectify
  - accuracy, higher productivity or increased concentration is of great importance
  - task details are of unusually small size or low contrast
  - the task is undertaken for an unusually long time
  - the task area or activity area has a low daylight provision
  - the visual capacity of the worker is below normal

“OFFICE” TABLE EXAMPLE

Helvar

Type of task /activity area	$\bar{E}$ m lx		U_o	R_a	R_{UGL}	$\bar{E}$ m,z lx	$\bar{E}$ m,wall lx	$\bar{E}$ m,ceiling lx	Specific requirements
	required[a]	modified[b]				$U_o \geq 0,10$			
Writing, typing, reading, data processing	500	1000	0,60	80	19	150	150	100	DSE-work, see 5.9 room brightness, see 6.7 and Annex B **Lighting should be controllable**, see 6.2.4 For smaller cellular offices the wall requirement applies to the front wall. For other walls a lower requirement of minimum 75 lx could be accepted.
Conference and meeting rooms	500	1000	0,60	80	19	150	150	100	**Lighting should be controllable**, see 6.2.4

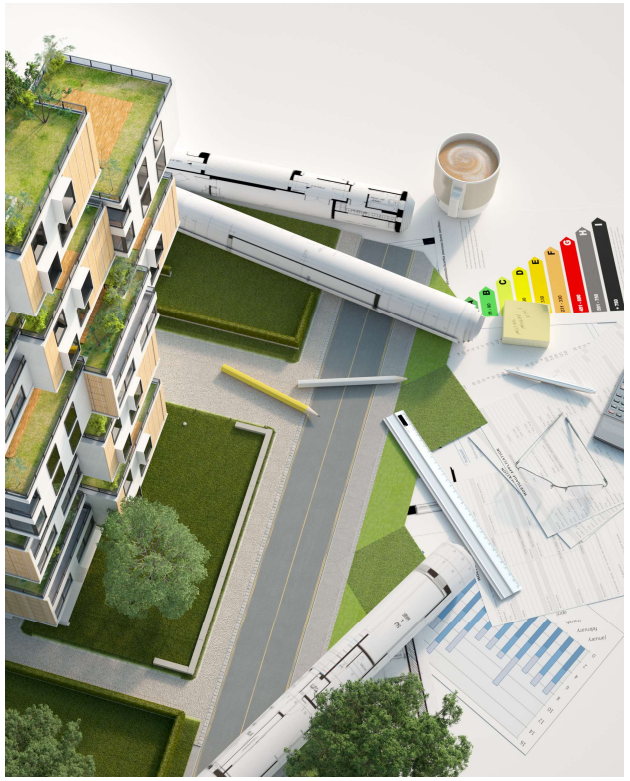
LIGHTING CONTROL

ENERGY CONSIDERATIONS

The Norm underlines the starting phase of every lighting project;

'Lighting should be designed to meet the lighting requirements of a particular task, activity or space in an energy efficient manner"

It highlights the order of thinking — first, what is needed, and then explains how to do it energy-efficiently...



SUMMARY

Helvar

EN12464-1 updates are welcomed as they encourages **people-centric** and **sustainable** lighting design

Helvar

Creating Brighter Spaces with the new

European Lighting Standard EN-12464-1

A **HELVAR** WHITEPAPER

JULY **2021**

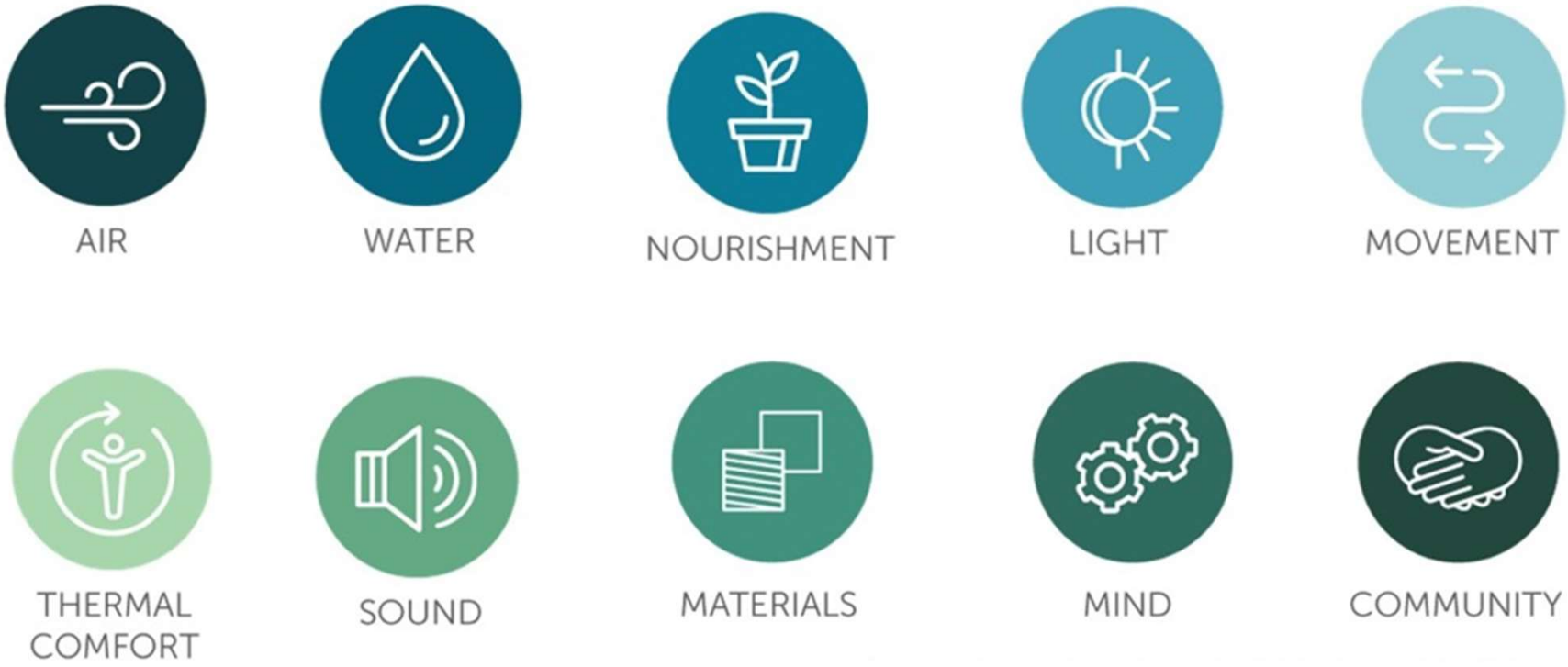
HENRI JUSLÉN
CHIEF FUTURE ILLUMINATOR

STANDARDS

ARE DRIVING CHANGE

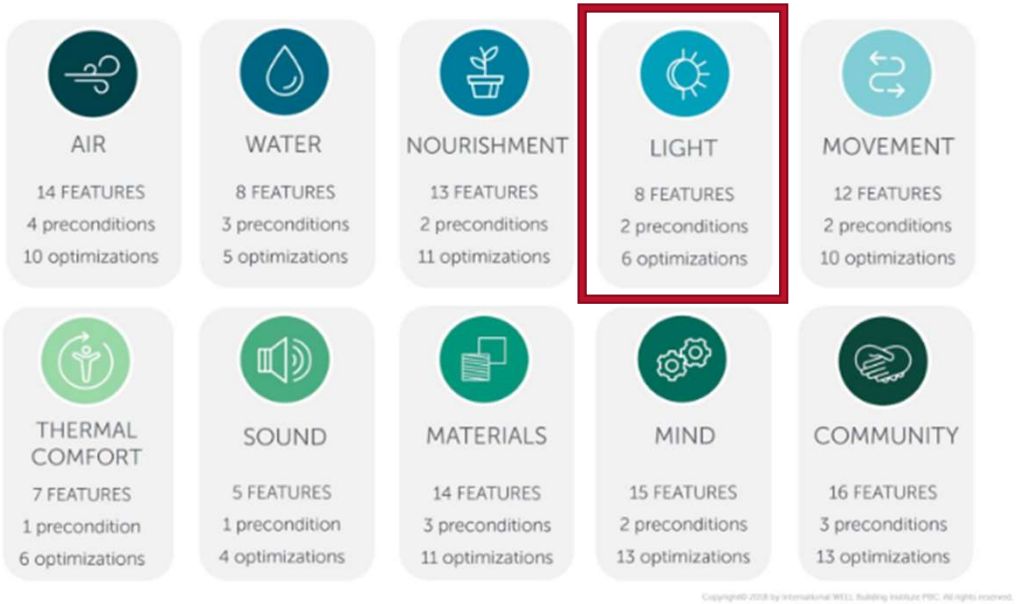
INTERNATIONAL WELL BUILDING INSTITUTE™

WELL BUILDING STANDARD CONCEPTS



WELL Building standard overview

WELL v2 CONCEPTS



- 10 concepts + innovations
- 23 mandatory preconditions
- 97 optimizations available

To get WELL Certificate:

All preconditions must be met + certain points to be earned via optimizations:

- WELL Silver: 50 points
- WELL Gold: 60 points
- WELL Platinum: 80 points

PLATINUM

GOLD

SILVER

WELL Building Standard™ version 2

UPDATED 24.11.22

Internal only - not to be distributed outside of Helvar or Helvar Partners. Refer to Helvar representative with any questions.

CATEGORY	POINTS	DESCRIPTION	REQUIREMENTS FOR LIGHTING	HELVAR IMPACT
L01 Light Exposure	Prerequisite	Provide appropriate light exposure in indoor environments through lighting strategies.	(Option 4: Circadian lighting design) Regulate indoor light exposure through daylight and electric light control strategies.	Helvar's intelligent control solutions and luminaire components can help achieve criteria for circadian lighting design as set out by the WELL Standard.
L02 Visual Lighting Design	Prerequisite	Provide appropriate illuminances on work planes for regular users of all age groups, as required for the tasks performed in the space.	Comply with various requirements for illuminance thresholds, taking into account the needs of users of the space.	Helvar's customisable solutions allow you to address the individual needs of end-users when designing the lighting system, helping to follow standards such as EN 12464-1.
L03 Circadian Lighting Design	3	Provide users with appropriate exposure to light for maintaining circadian health and aligning the circadian rhythm with the day-night cycle.	Support circadian and psychological health through indoor daylight exposure and outdoor views.	Intelligent lighting controls can be combined with Helvar's Light over Time solution to create optimal circadian lighting profiles for different spaces.
L04 Electric Light Glare Control	2	Manage glare by using strategies, such as calculation of glare and choosing the appropriate light fixtures for the space.	Minimise glare caused by electric light.	Helvar solutions allow you to precisely control the light fixture to tune luminance levels in any space.
L05 Daylight Design Strategies	4	Design spaces to integrate daylight into indoor environments, so that daylight may be used for visual tasks along with electric lighting.	Provide optimal daylight exposure indoors through design strategies.	Helvar controls can be integrated with blinds systems in order to automatically adapt to daylight levels and optimise daylight exposure in your space.
L07 Visual Balance	1	Develop and implement strategies to create a visually comfortable lighting environment.	Create lighting environments that enhance visual comfort.	Helvar solutions provide tools for maximising visual comfort for any range of activities throughout the day and night.
L08 Electric Light Quality	3	Take into account characteristics of electric light used in the space, such as color rendering and flicker.	Enhance visual comfort and minimise flicker for electric light.	Helvar offers a range of flicker-free dimmable LED drivers.
L09 Occupant Lighting Control	3	Implement innovative lighting strategies that take into account personal preferences of users, as well as their interaction with the physical space.	Provide individuals with access to customisable lighting environments.	Helvar offers multiple solutions to help create customised, personalised lighting scenes. E.g. ActiveTune, SceneSet. Note: Individual color+color temperature control requires additional capabilities in luminaires.
Innovate WELL	Up to 10	Promote the continuous evolution of WELL, by encouraging projects to propose a new intervention that addresses health and well-being in a novel way.	Positively impact occupants by supporting health and well-being in a novel way that is not covered in WELL v2.	Helvar solutions offer a range of opportunities for additional integrations and unique control requirements.

LEED v4.1

UPDATED 24.11.22

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CATEGORY	POINTS	DESCRIPTION	REQUIREMENTS FOR LIGHTING	HELVAR IMPACT
Interior Lighting	2	Promote occupants' productivity, comfort, and well-being by providing high-quality lighting.	1. Glare Control 2. Color Rendering (CRI) 3. Lighting Control	Helvar solutions can precisely control light fixtures to tune the luminance levels of luminaires. Desired CRI can be achieved by selecting the right light sources and with the help of Tunable White LED Drivers. Dimmable lighting for occupied spaces is a core function of Helvar solutions.
Advanced Energy Metering	1	Support energy management and identify opportunities for additional energy savings by tracking building-level and system-level energy use.	Advanced energy metering capabilities.	Helvar Insights allows you to measure the energy consumption of your lighting systems and identify opportunities to improve your energy usage.
Daylight	Up to 3	Connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space.	Provide manual or automatic (with manual override) glare-control devices for all regularly occupied spaces.	Helvar's intelligent lighting solutions help you to maximise the amount of daylight in your space, by working only when needed. Blinds system integrations can be set up for additional glare control possibilities.
Optimise energy performance	Up to 4	Achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use that disproportionately impact frontline communities.	(Option 3) 1. Lighting power reduction 2. Daylight controls	Helvar's luminaire components and intelligent lighting controls can be paired for a strong reduction in lighting energy usage through daylight and occupancy based-control. Increase energy saving opportunities further by integrating with other building systems such as HVAC and blinds.
Minimum energy performance	Required	Promote resilience and reduce the environmental and economic harms of excessive energy use that disproportionately impact frontline communities by achieving a minimum level of energy efficiency for the building and its systems.	Comply with ANSI/ASHRAE/IESNA Standard 90.1–2016, with errata or a USGBC-approved equivalent standard.	Helvar systems are futureproof by design, allowing for easy scalability and updates.
Integrative Process	1	Support high-performance, cost-effective, equitable project outcomes through an early analysis of the interrelationships among systems.	Identify and use opportunities to achieve synergies across energy-related systems.	Helvar Insights works together with intelligent sensors to deliver actionable lighting data reports, allowing you to adjust lighting levels according to space- and energy usage. Optimise for occupant wellbeing without compromising on energy usage.
Innovation	Up to 5	Encourage projects to achieve exceptional or innovative performance to benefit human and environmental health and equity. To foster LEED expertise throughout building design, construction, and operation and collaboration toward project priorities.	Achieve significant, measurable environmental performance using a strategy not addressed in the LEED green building rating system.	Helvar solutions offer a range of opportunities for additional integrations and unique control requirements.
Grid harmonisation	Up to 2	Increase participation in demand response technologies and programs that make energy generation and distribution systems more affordable and more efficient, increase grid reliability, and reduce greenhouse gas emissions.	Participate in demand response programs through load shedding or shifting.	Helvar Insights enables real-time control of many lighting parameters according to Smart Grid needs.

BREEAM International

New Construction + Refurbishment

UPDATED 23.11.22

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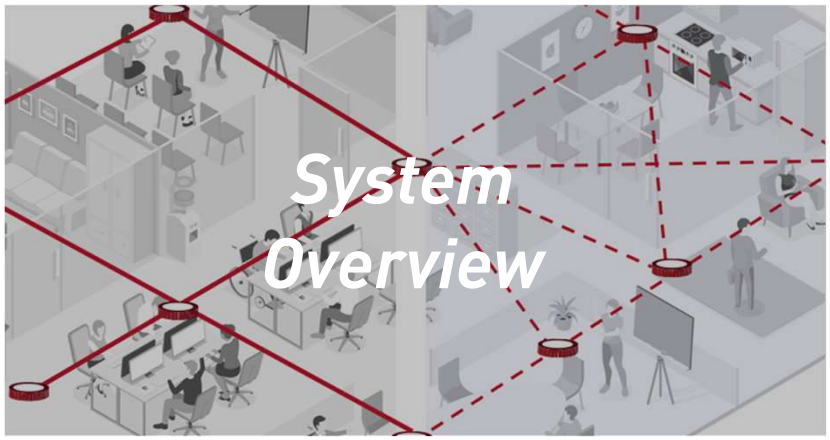
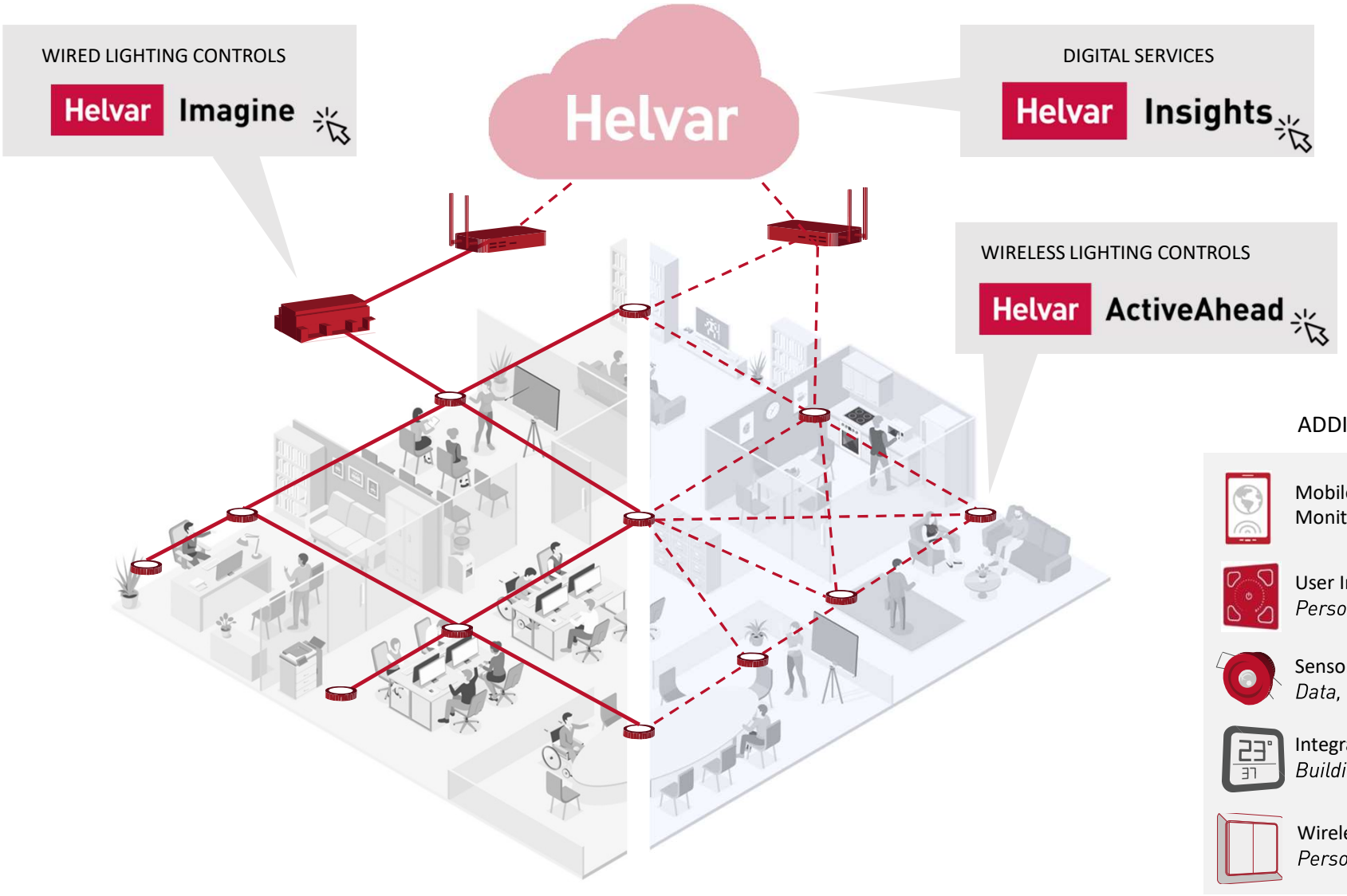
CATEGORY	POINTS	DESCRIPTION	REQUIREMENTS FOR LIGHTING	HELVAR IMPACT
Hea 01 Visual comfort	Up to 2	Ensure daylighting, artificial lighting and occupant controls are considered at the design stage to ensure best practice in visual performance and comfort for building occupants.	Glare control Daylight harvesting Internal and external lighting	Helvar solutions allow you to fine-tune your lighting system to precise requirements across a variety of spaces, while delivering optimal visual comfort for building occupants.
Ene 01 Reduction of energy use and carbon emissions	Up to 4	Minimise operational energy demand, primary energy consumption, and CO_2 emissions.	Energy efficient design features e.g. occupancy-based lighting control. Adequate lighting controls must also be provided to all ancillary areas (as applicable).	Helvar's luminaire components and intelligent lighting controls can be paired for a strong reduction in lighting energy usage through daylight and occupancy based-control. Increase energy saving opportunities further by integrating with other building systems such as HVAC and blinds.
Ene 02a Energy monitoring	Up to 2 credits	Encourage the installation of energy sub-metering to allow monitoring of operational energy consumption. Allow managers and consultants post-handover to compare actual performance with targets in order to inform ongoing management and reduce any performance gap.	Energy metering for lighting-specific energy usage.	Helvar Insights allows you to measure the energy consumption of your lighting systems and identify opportunities to improve your energy usage.
Ene 03 External Lighting	1	Recognise and encourage the specification of energy efficient light fittings for external areas of the development.	Output of external light fittings can be controlled through e.g. daylight harvesting, presence detection.	Helvar's precise and durable control solutions can easily be implemented for outdoor applications. e.g. Facade lighting, Infrastructure lighting

Our Lighting Control Solutions





ADDITIONAL ELEMENTS

Mobile Apps
Monitoring, Usage, Alerts

User Interfaces
Personal control and scenes

Sensors
Data, energy-saving and safety

Integrations
Building systems and services

Wireless Panels
Personal control and scenes

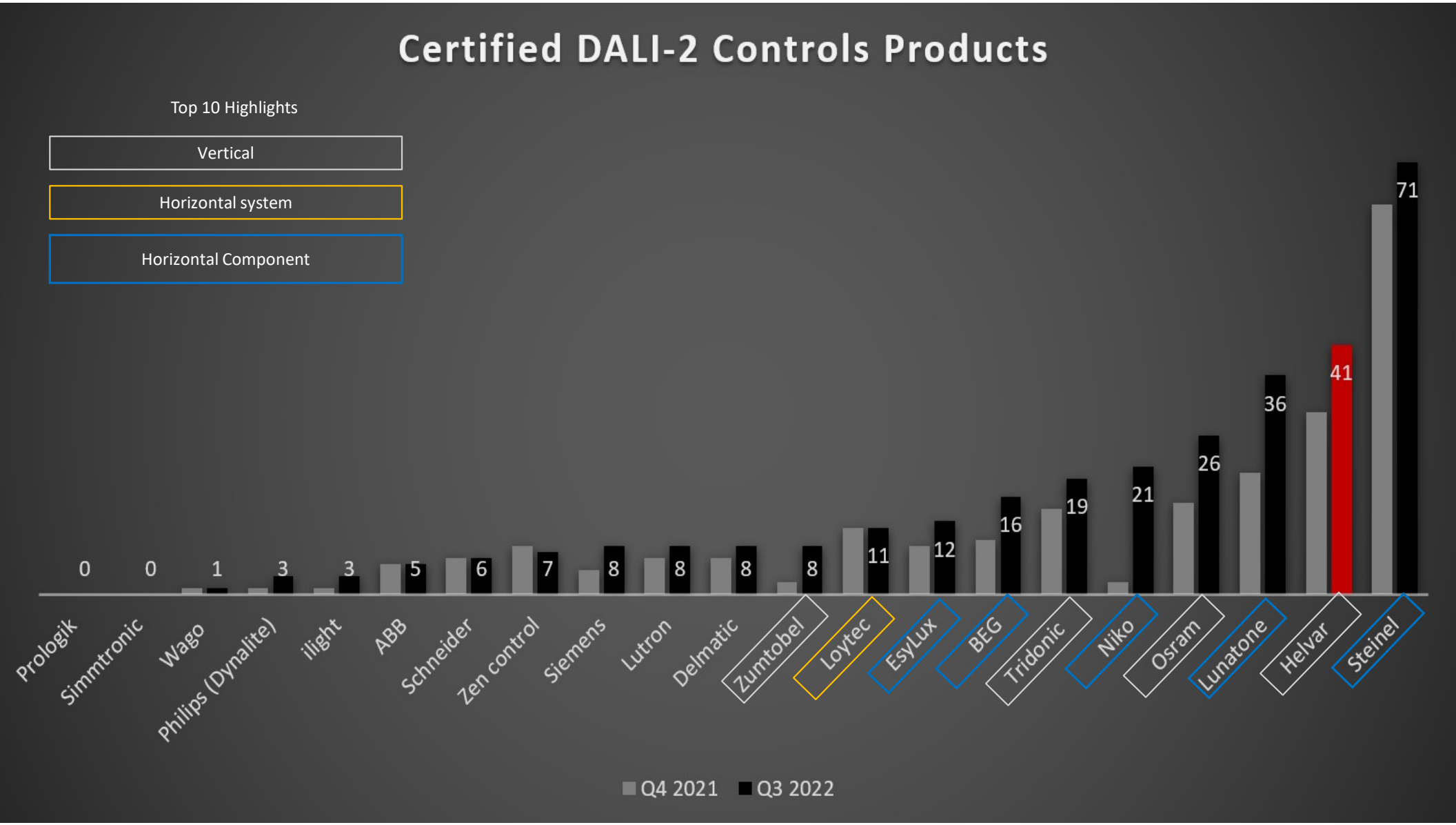
DALI Front Runners

Founding members of DALI Standard and we're on the DALI Alliance Board

We've been at the forefront of lighting technology for 75 years

Helvar invented the worlds first DALI lighting control products

Leading the way with 2nd highest number of DALI-2 Certified Products


Certified DALI-2 Controls Products
Top 10 Highlights
Vertical
Horizontal system
Horizontal Component
0
0
1
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Prologik
Simmtronic
Wago
Philips (Dynalite)
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ABB
Schneider
Zen control
Siemens
Lutron
Delmatic
Zumtobel
Loytec
EsyLux
BEG
Tridonic
Niko
Osram
Lunatone
Helvar
Steinel
Q4 2021
Q3 2022

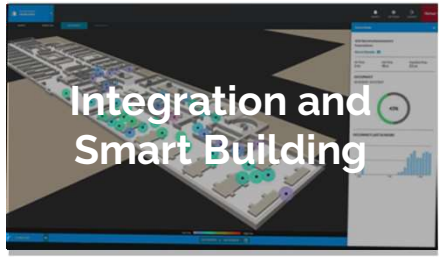
Helvar

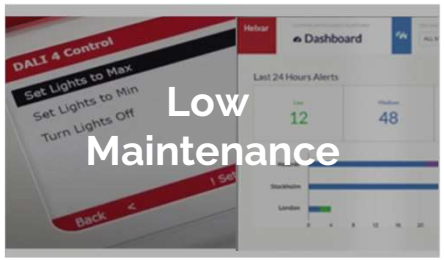
Imagine

The Benefits of Helvar Imagine

Main Customer Requirements

Helvar Imagine Solution Benefits





Helvar

Imagine

Key Products

Application Controllers

Sensors

Panels

Apps and GUIs

Integration

Load Controllers

Solutions

Helvar

Imagine

Easy to Install

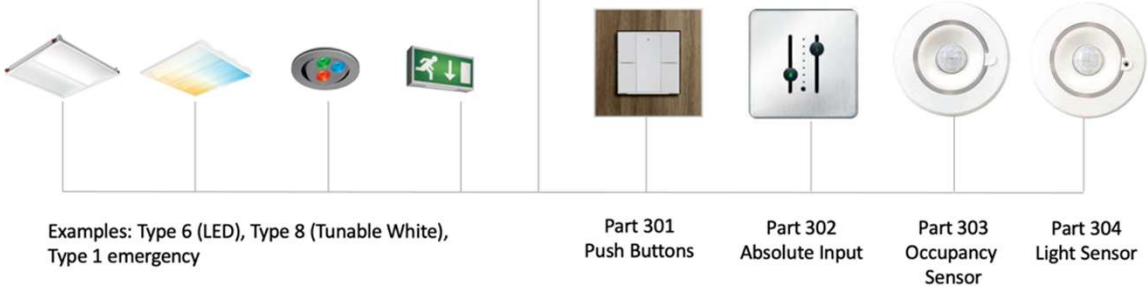
DALI or DALI-2 = very simple compared to other lighting control networks.

- ✓ Open protocol
- ✓ Polarity & Topology free (part from loop networks)
- ✓ Non specialist 2 core cable
- ✓ Lighting and controls on same network

950 Application Controller

Key features (in-built)

- 4 x DALI-2 Multi-master networks
- LCD for DALI network testing and alerts
- DALI-2 controls
- Helvar DALI devices (DigiDim)
- Astronomical Timeclock and Scheduler
- Emergency Lighting
- Light over time
- Configuration stored in system



Helvar

Imagine

Imagine Sensor Range

*coming soon	Light only	Presence only			Light + Presence			
General Areas								
	329	318	320 320D2	313	315	321 321D2	IR Quattro HD	HF360
Corridor								
		341 341D2*		314				Dual HF
High Bay								
						322 322D2	IS 3360 MX	IS 345 MX

Solutions

Helvar

Imagine

Imagine Panel Range

Simple

444
444D2

93x

12x

Mid range

14xxD2

13xx
13xxD2

Specialist/ High end

16xx

18xx

ILLUSTRIS

SceneTouch

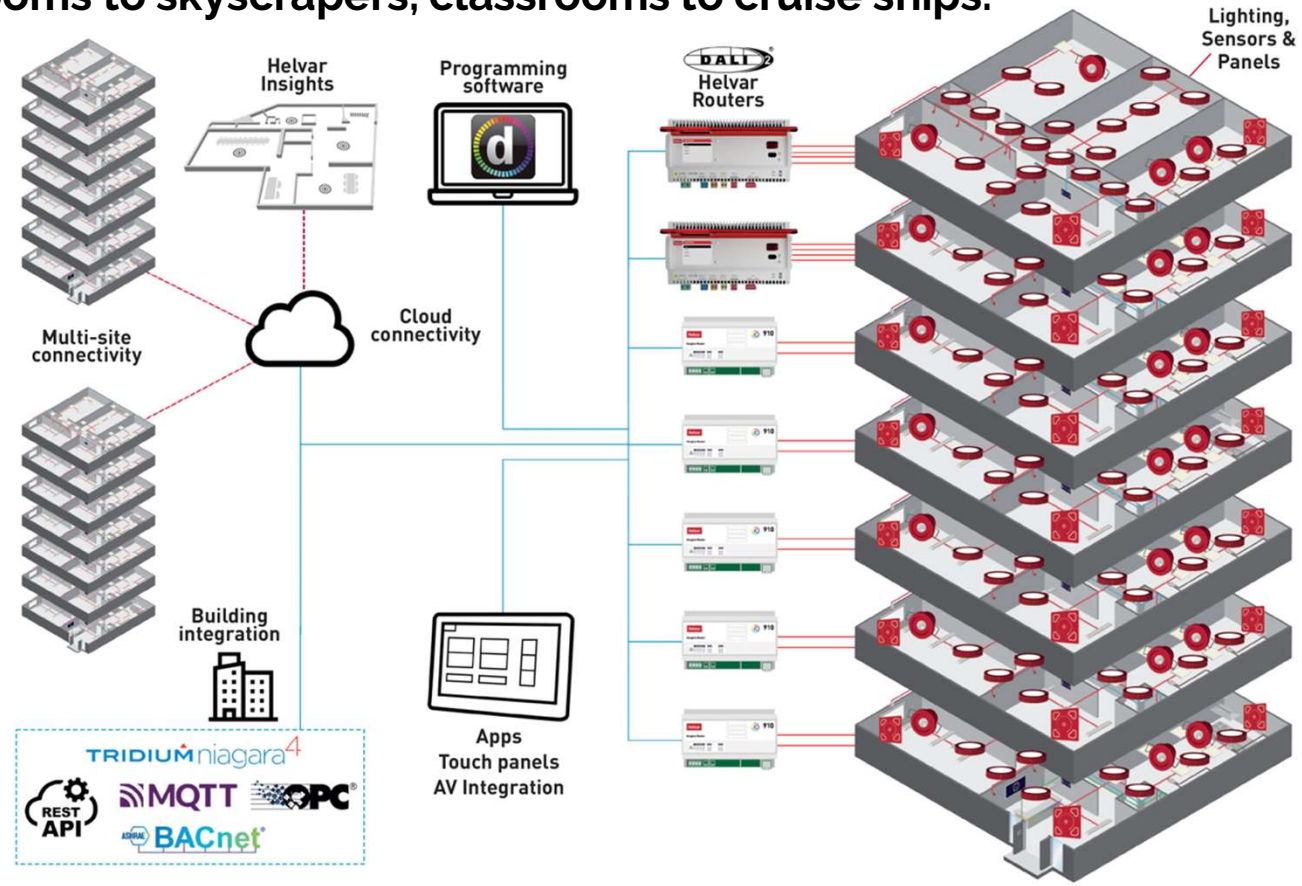
Solutions

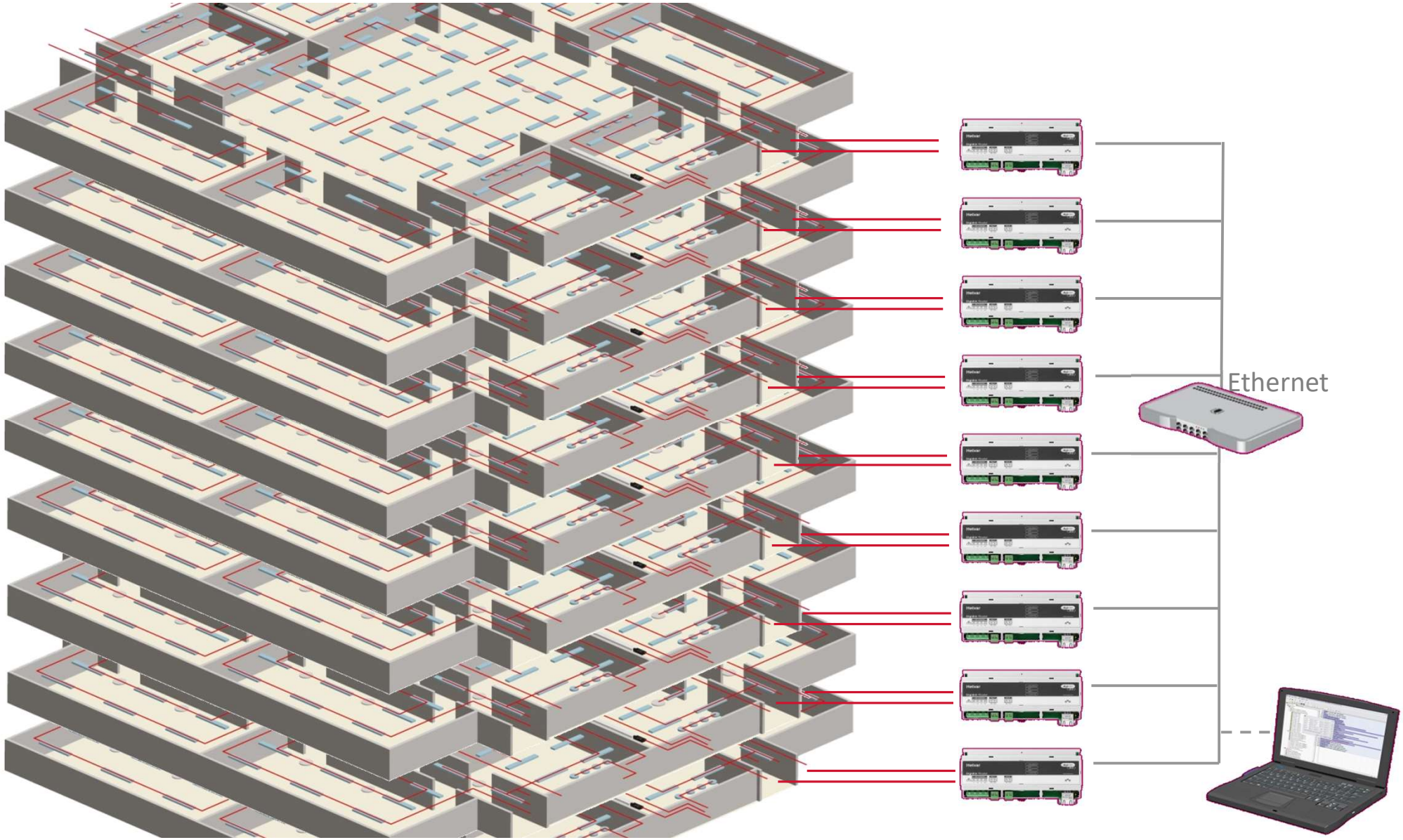
Helvar

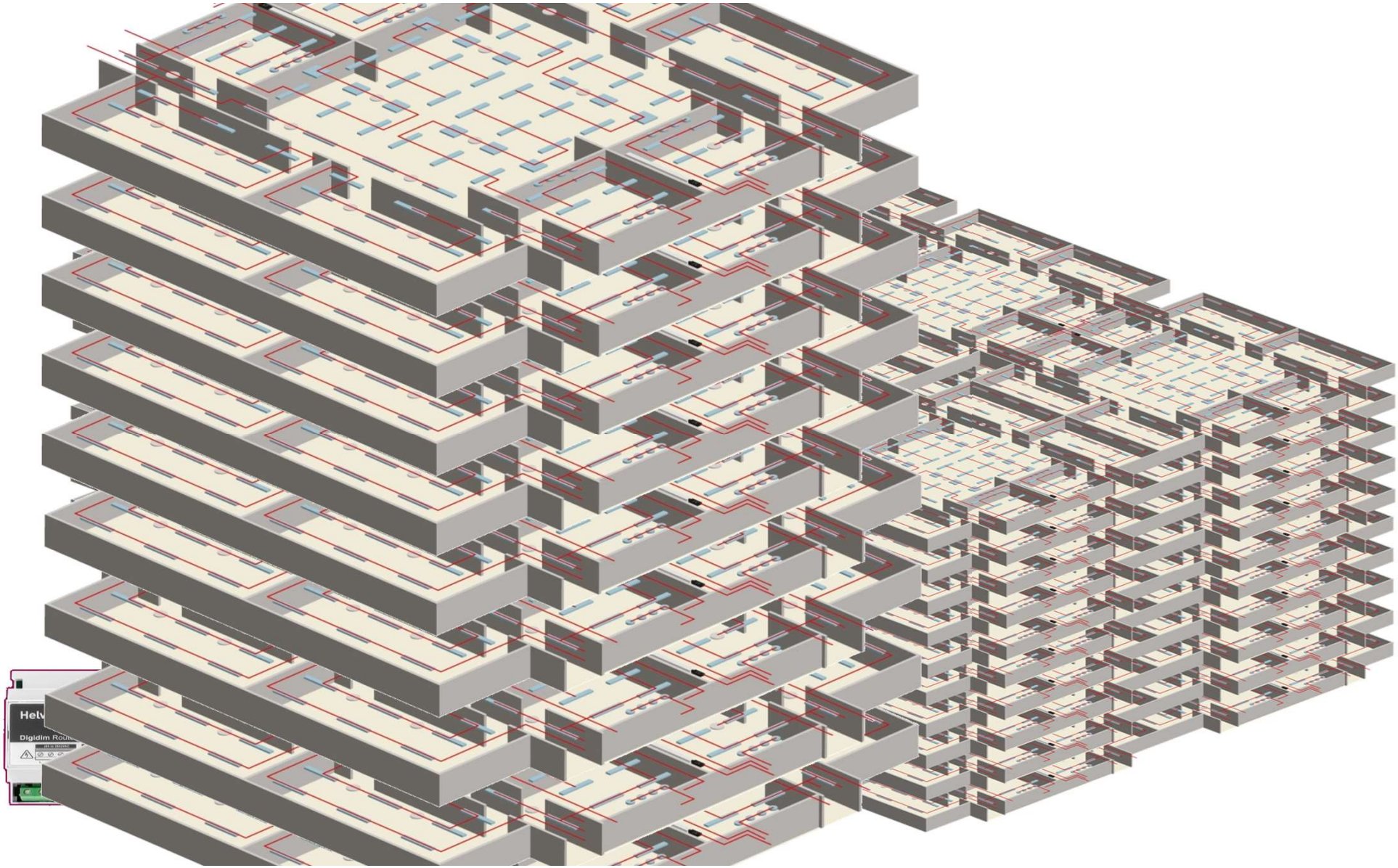
Imagine

Scalability

Helvar Imagine is perfect for projects of all sizes, from meeting rooms to skyscrapers, classrooms to cruise ships.



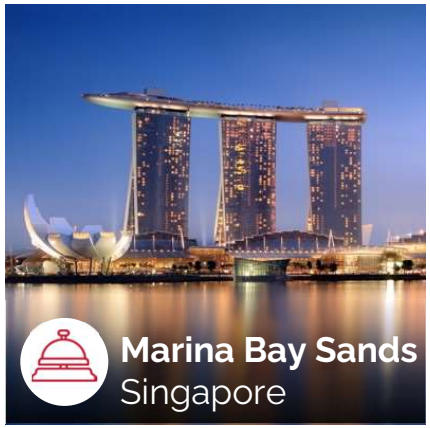

Ethernet



Helvar

Imagine

Project References



Helvar

ActiveAhead

Introducing Helvar ActiveAhead

- Wireless
  - BLE Mesh
- Out-of-the-box
  - One network
- Mobile App
- Wireless and DALI
- Cloud Services
- BMS Integration

Helvar
ActiveAhead

Helvar ActiveAhead Benefits

EFFICIENT

the easiest to design, set-up and operate

ENERGY SAVING

biggest savings in the market thanks to dense sensor network and smart features

SCALABLE

suits to new build and renovation, both small and large projects

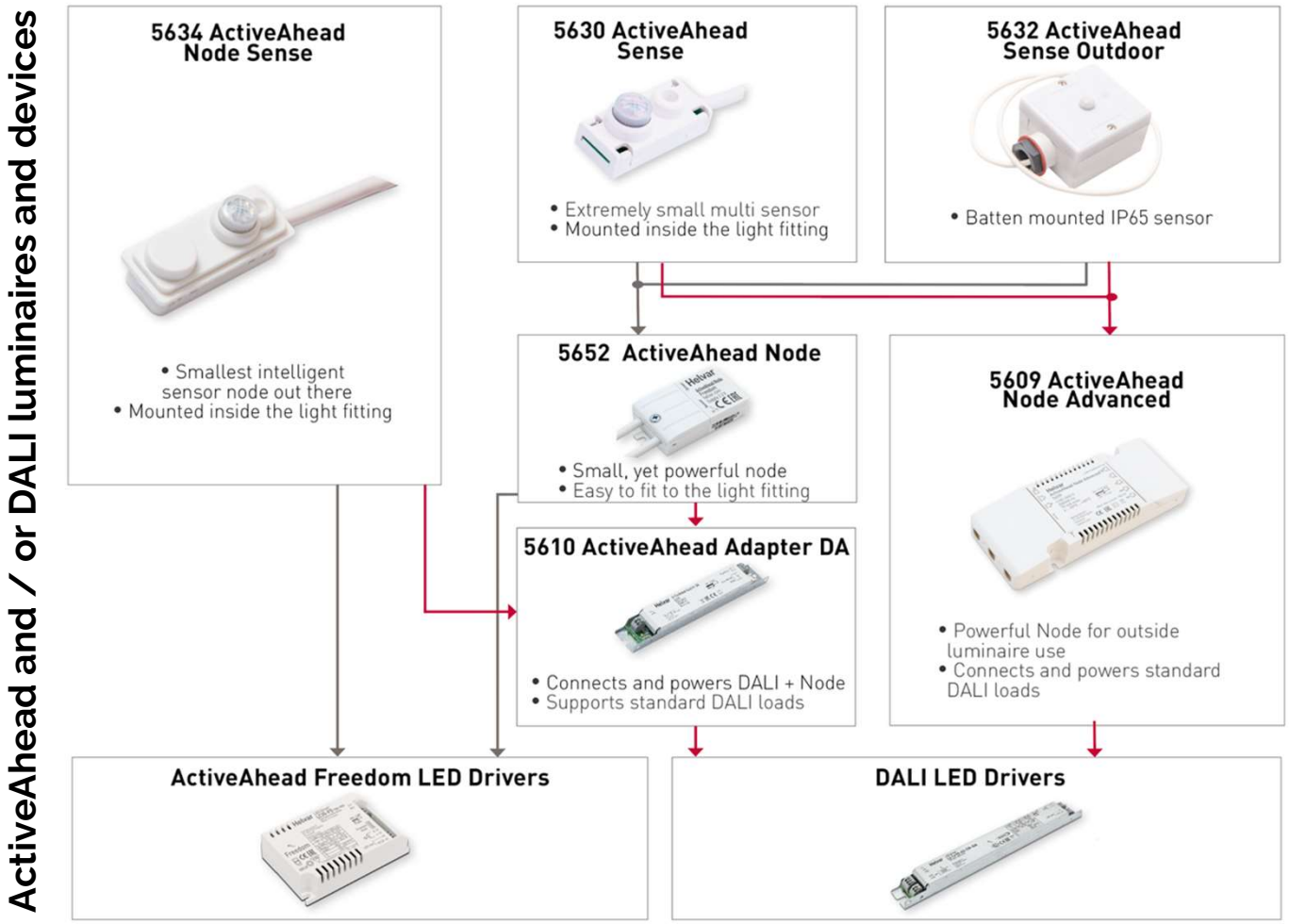
ADAPTABLE

add configurations flexibly on top of automatic operations where needed

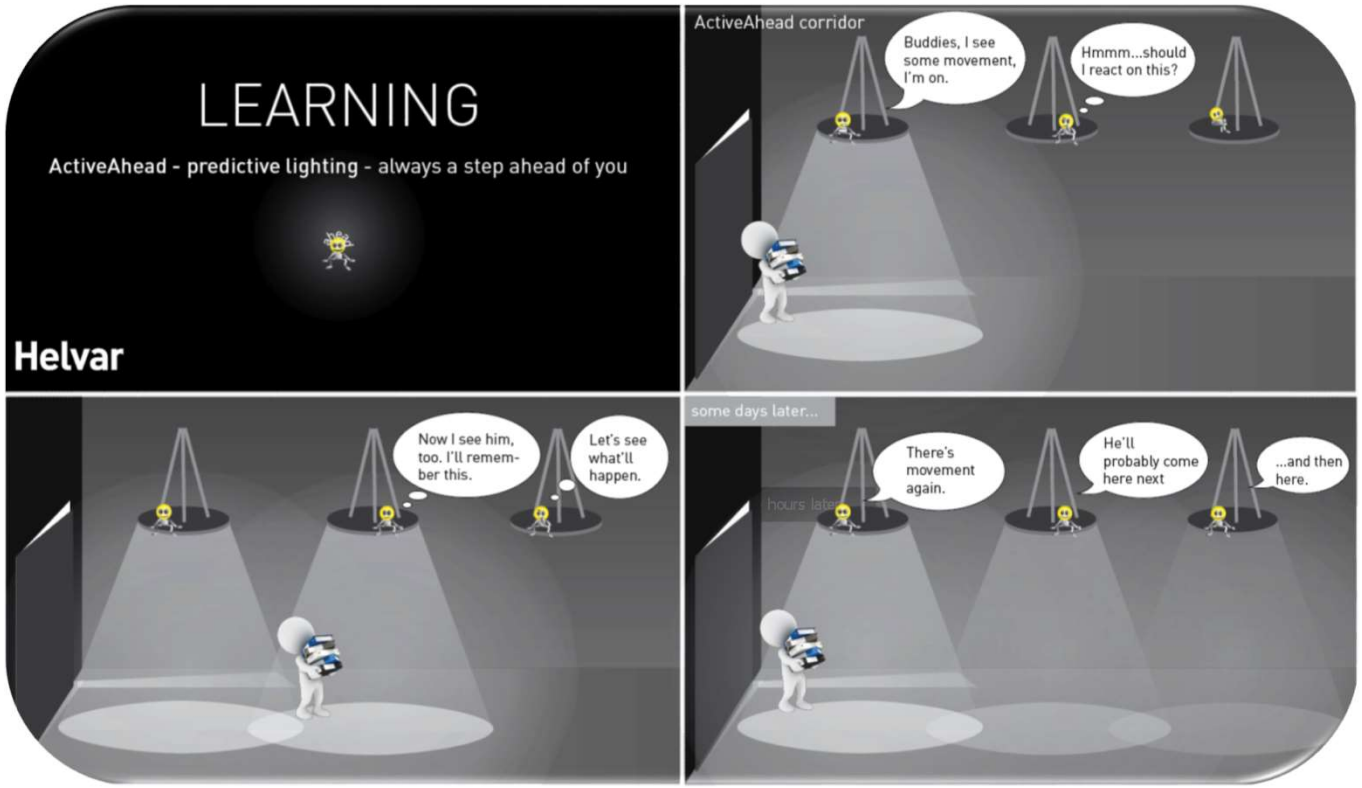
Helvar

ActiveAhead

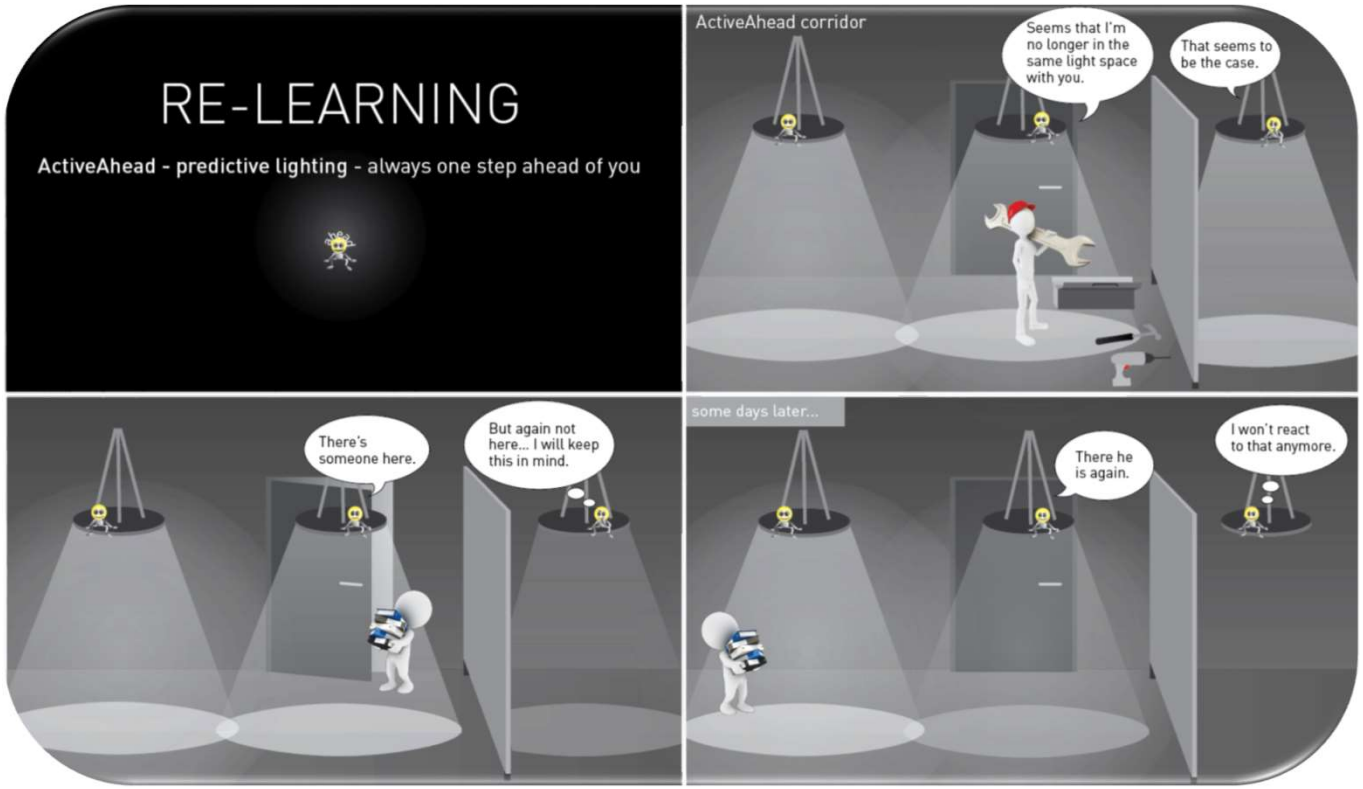
Helvar ActiveAhead Devices



Learning Starts When Power Goes On



Re-Learning Logic

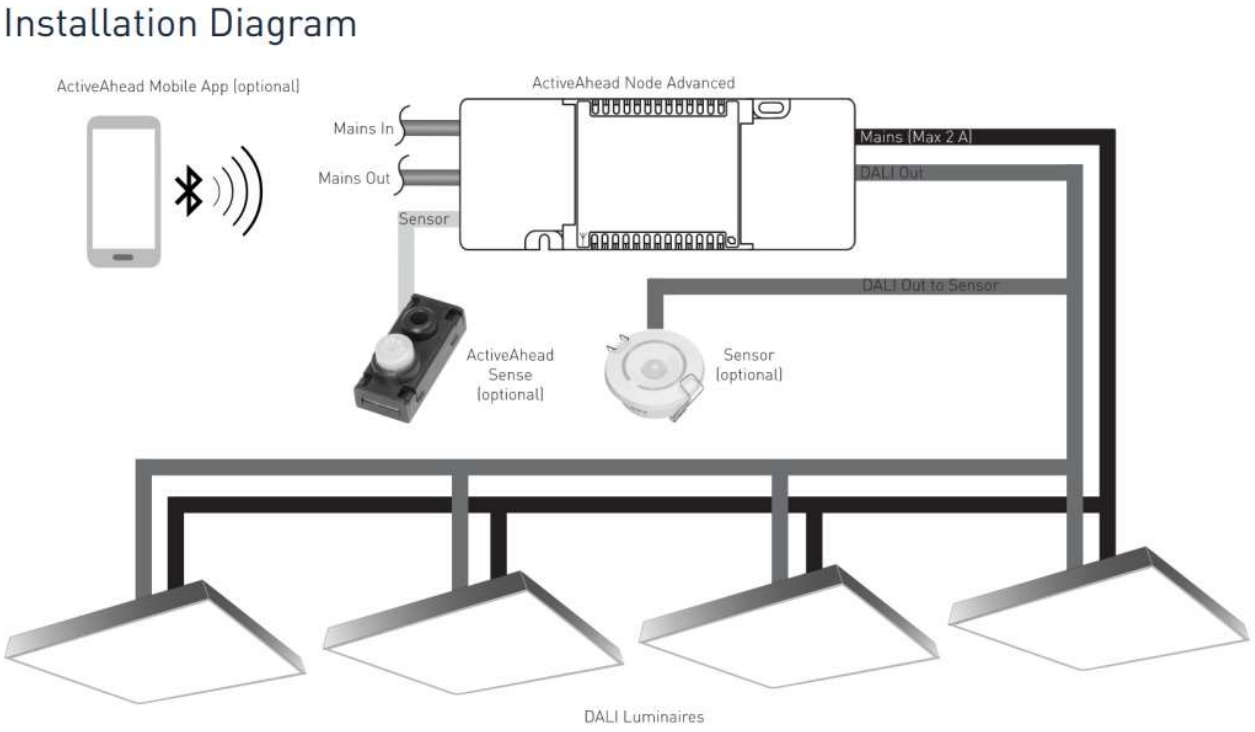


Helvar

ActiveAhead

Helvar ActiveAhead Devices

ActiveAhead and / or DALI luminaires and devices

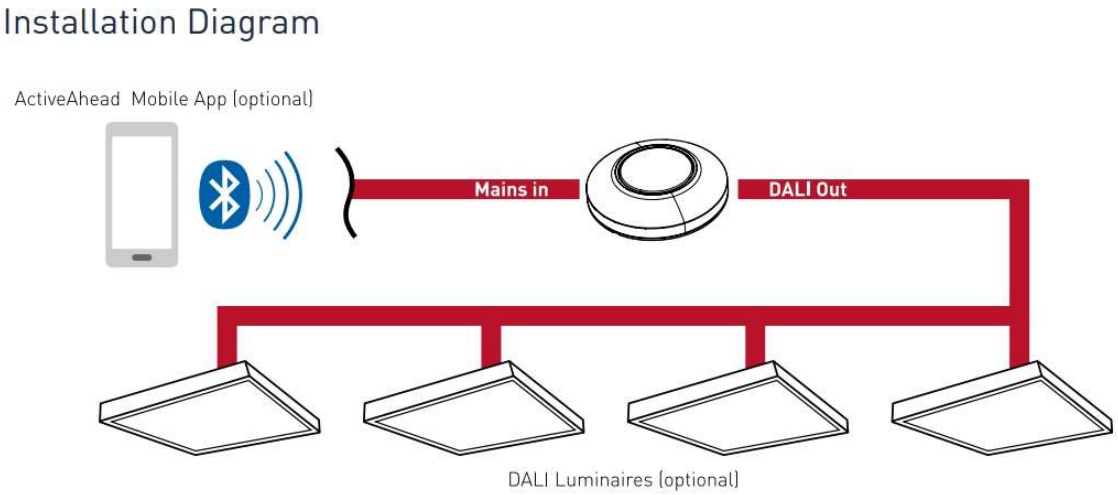


Helvar

ActiveAhead

Helvar ActiveAhead Devices

ActiveAhead and / or DALI luminaires and devices

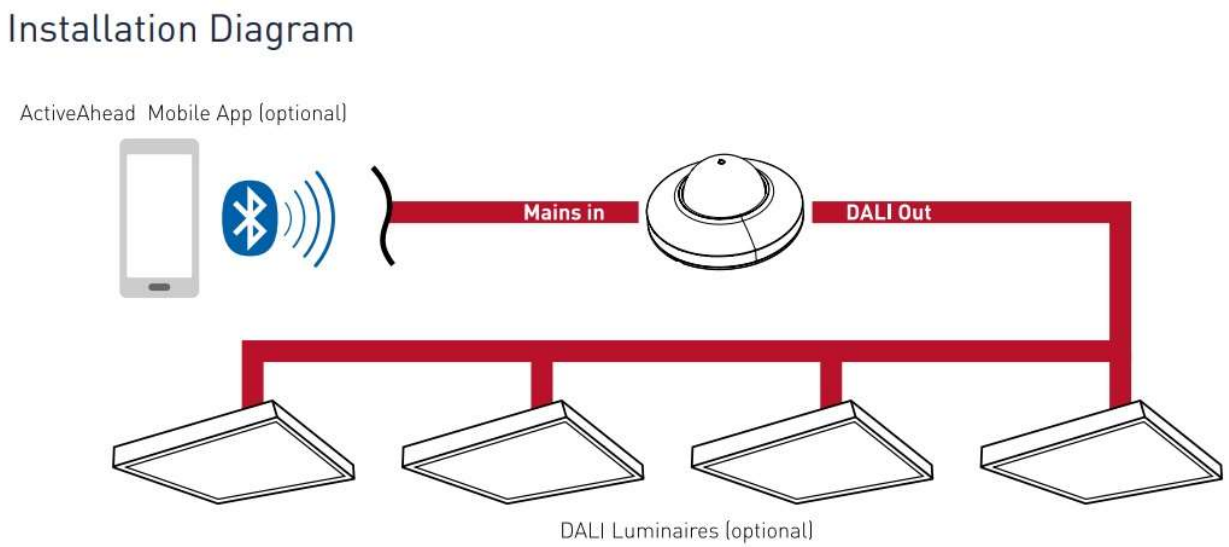


Helvar

ActiveAhead

Helvar ActiveAhead Devices

ActiveAhead and / or DALI luminaires and devices

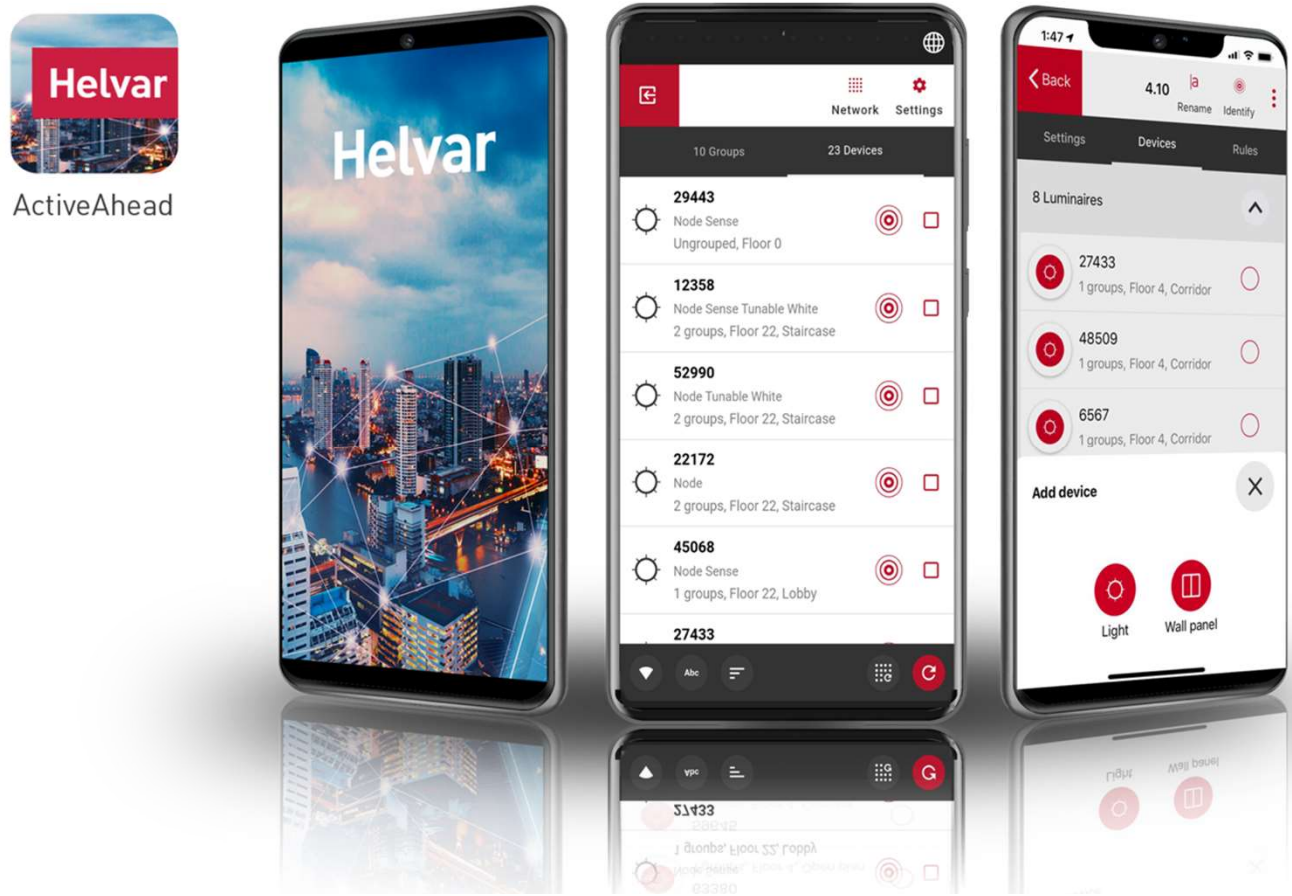


Helvar

ActiveAhead

Customisation via App

The super-easy mobile app enables full customisation of ActiveAhead



Helvar

ActiveAhead

Personal Lighting

With ActiveTune, control the lighting at your desk via QR code - simple.

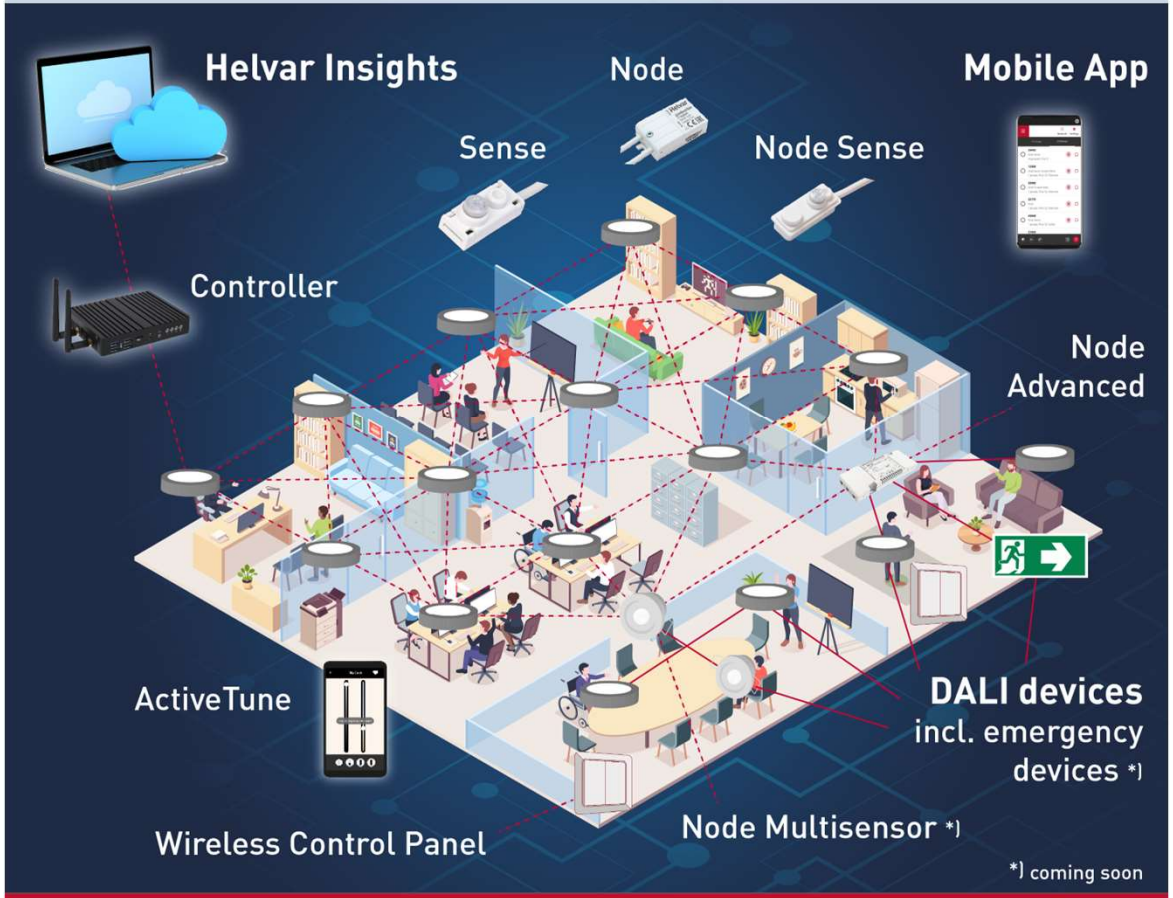
Helvar ActiveTune

ActiveTune

HELVAR ACTIVEAHEAD

SELF-LEARNING WIRELESS

LIGHTING SOLUTION



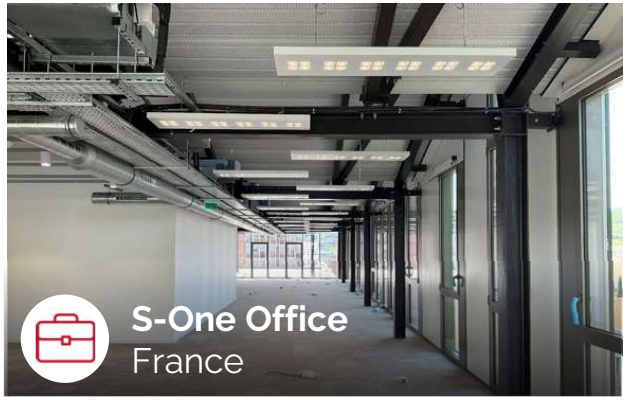
Helvar | TURNING EVERYDAY PLACES INTO BRIGHTER SPACES

Read more:
helvar.com/activeahead

Helvar

ActiveAhead

Project References



Solutions

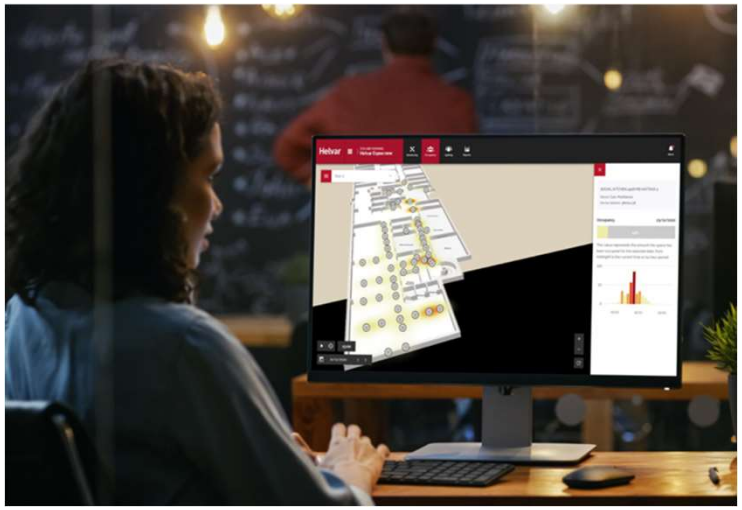
Helvar

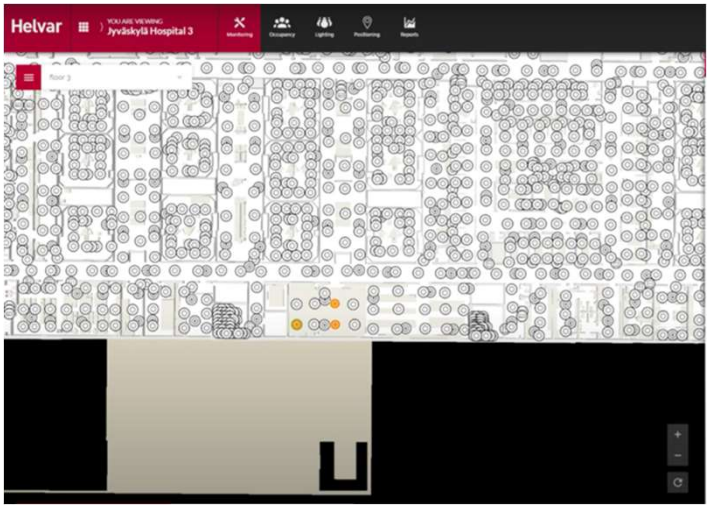
Insights

Helvar Insights

Helvar Insights is a scalable cloud-based suite of digital services that takes advantage of data gathered from your existing commercial lighting control systems, devices and sensors.

It provides intelligent insights that improve the wellbeing of users, the efficiency of your building and help achieve sustainability targets.



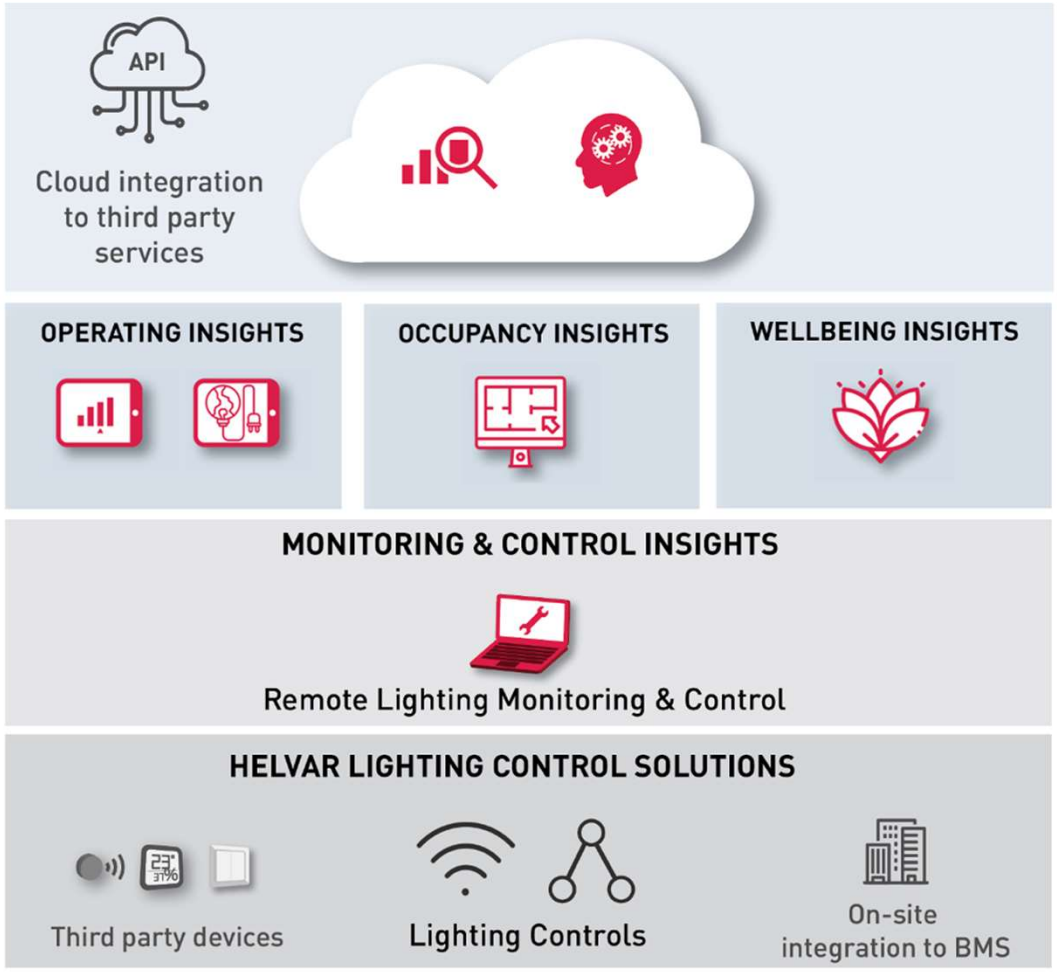


Solutions

Helvar

Insights

Insights Modules



Solutions

Helvar

Insights

Monitoring & Control Insights

Helvar

Helvar Monitoring & Control Insights

Save time & money in maintenance with …

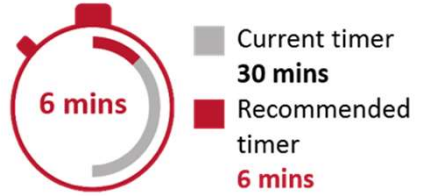
- Graphical User Interface
- Remote access
- System alerts & maintenance recommendations
- Alert and Event Logs
- Sensor Optimisation reports*
- Emergency Light testing + reporting

Optimise & control your lighting with …

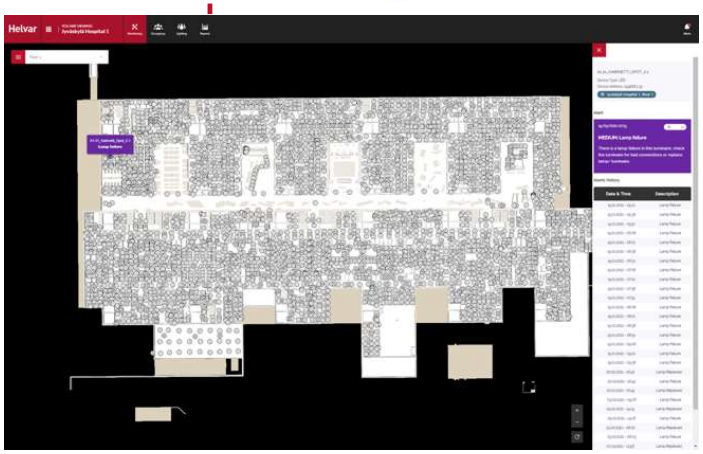
- Remote scene selection
- Lighting schedule management
- Sensor time-out Optimisation*

*Not ActiveAhead

TIMER OPTIMIZATION



83.8 hours



Solutions

Helvar

Insights

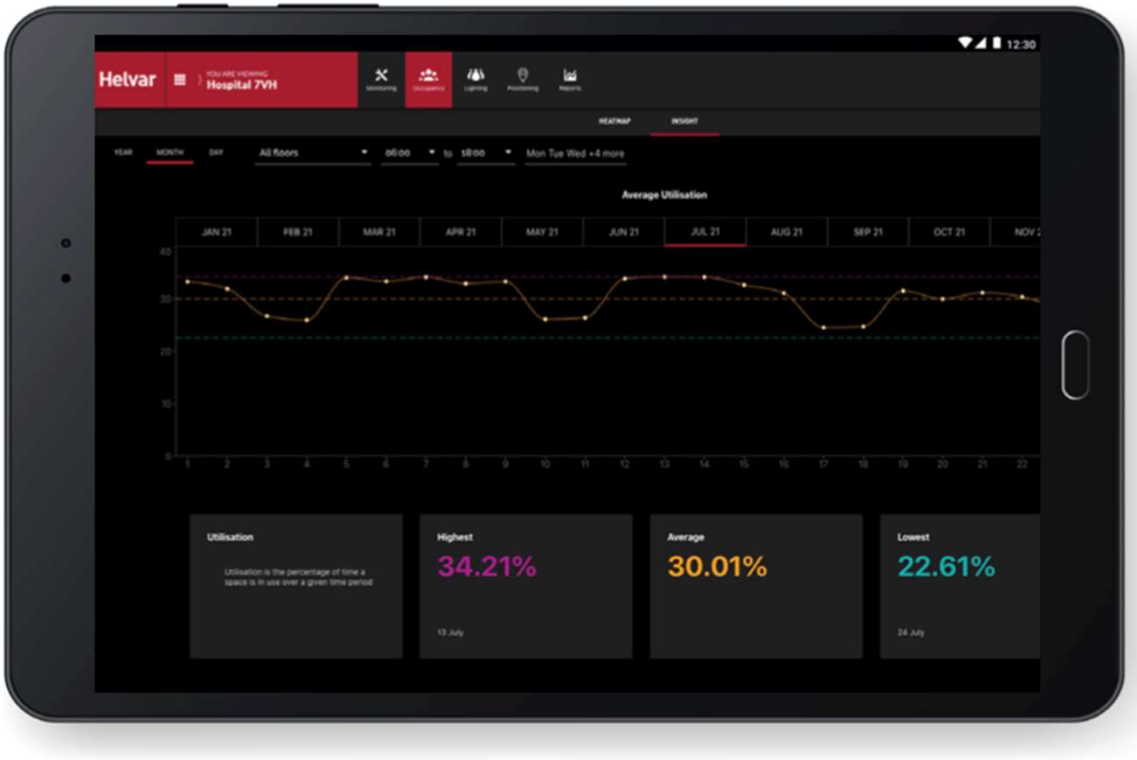
Occupancy Insights

Occupancy Insights allow you to monitor the occupancy of your space using existing sensor movement data. This data can then be visualised for the entire space, or for individual areas, allowing you to see how your spaces are truly used, and where improvements could be made – either by adapting how spaces are used or by highlighting cost saving opportunities.

Monitor how your space is used

Visualise real-time occupancy

Make insight-led improvements



Helvar

Insights

Energy Monitoring

Energy Monitoring with Helvar Insights helps you monitor the usage of your Helvar lighting control systems. The simple dashboard allows you to analyse lighting energy usage throughout a whole building or specific space types, such as, meeting rooms or in single spaces, with a user-friendly graphical user interface.

Identify areas of improvement

Monitor targets for sustainability

Support ESG reporting

Helvar

Insights

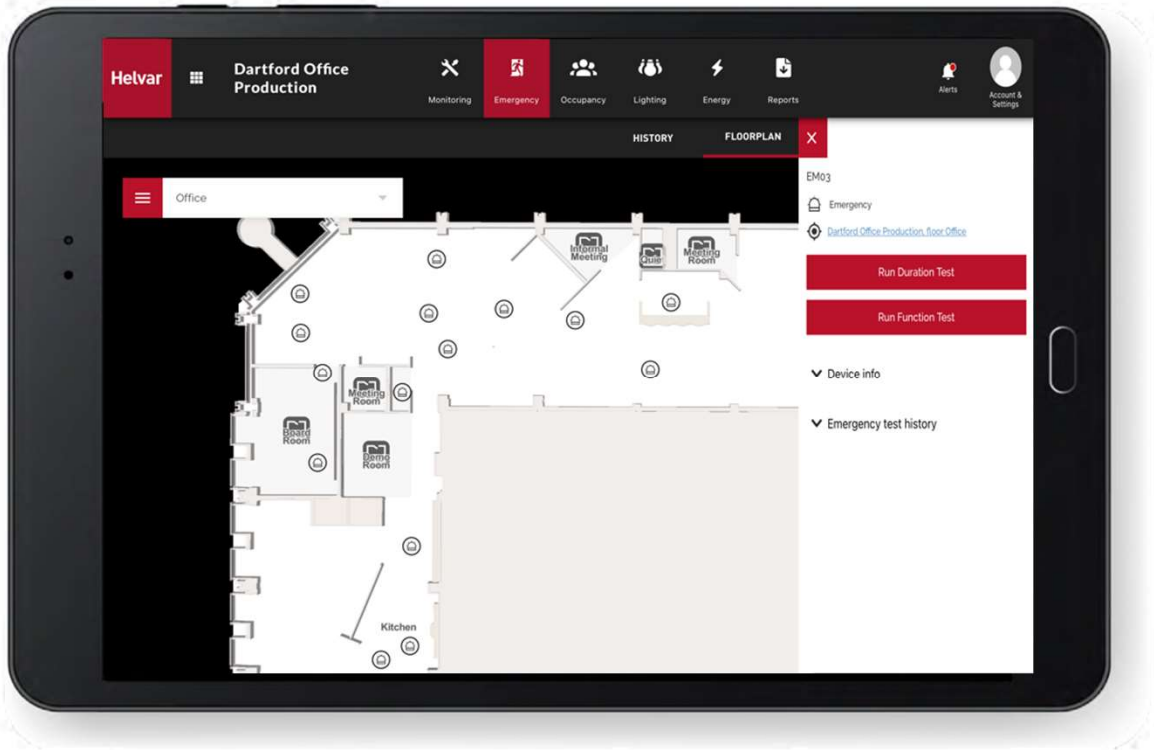
Emergency Lighting Testing

DALI self-contained emergency luminaires connected to a Helvar lighting control system with Helvar Insights allows you to automate all the statutory tests required, meaning there is no need for expensive manual testing outside of office hours!
https://service.helvar.io/

Schedule all required tests

Reports are auto-generated

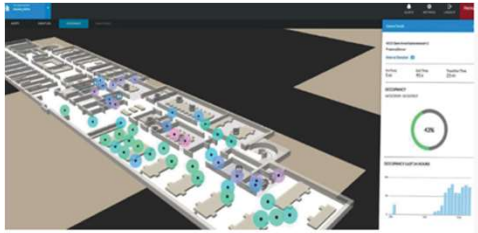
Save time, increase efficiency



Helvar

Insights

Helvar Insights Features



Occupancy heat maps

Animated heat maps to visualise how occupants use a building.

Smart system integration

Integrate occupancy data with HVAC and room-booking systems.

Ultimate optimisation

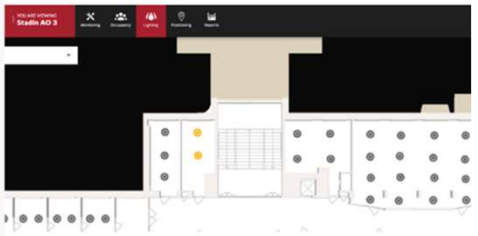
Automated reporting gives visibility on space usage throughout a space.

24/7 remote monitoring

The secure, server-less lighting monitoring system - accessible anywhere, anytime.

Real-time notifications

Instant e-mail notifications with severity levels to keep you on top of any maintenance issues.



Remote lighting control

Select scenes in real time or create easy-to-use online schedules. Digital lighting control, reimagined.

Solutions

Helvar

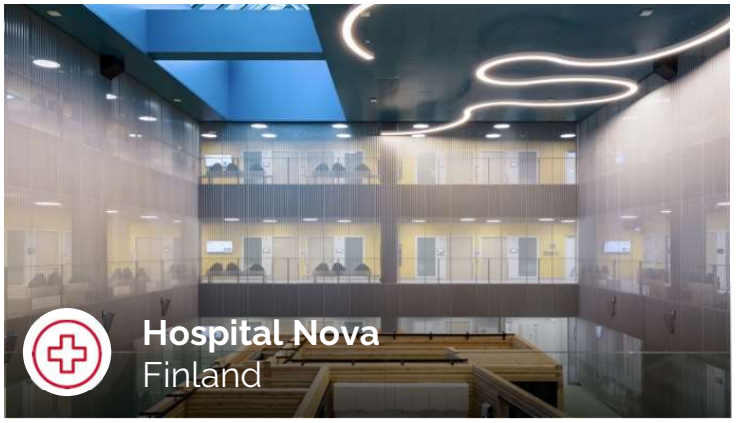
Insights

Project References

The Spine HQ
United Kingdom

Ravelin Sports Center
United Kingdom

Vasakronan Head Office
Sweden



Hospital Nova
Finland

Solutions

Helvar

Thank you