# Helvar Insights

### Bringing Intelligence and Insights into your space

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# Helvar



# **HELVAR INSIGHTS**

HELVAR INSIGHTS is a scalable cloud-based suite of digital services that take advantage of data gathered from your existing lighting control devices and sensors. This platform provides intelligent insights that can be applied to improve the wellbeing of users, the efficiency of a building and help users achieve their sustainability targets.

24/7 MULTI-SITE MONITORING

A secure, server-less and modern lighting monitoring system that lets you see how all your connected sites are working. Accessible anywhere, anytime.

#### UNDERSTAND THE UTILISATION OF YOUR BUILDING

Occupancy Insights helps you optimise your space by analysing the utilisation of the building using existing PIR sensors and highlighting over or underutilised areas.

#### ANIMATED OCCUPANCY HEAT MAPS

Animated heat maps to visualise how your staff and occupants use the building.

#### SAVE TIME AND MONEY ON EMERGENCY LIGHTING TESTS

DALI emergency reports save you time and money by completing emergency lighting tests with a click of a button.

✓ ↘ SENSORS



imagined.

#### CONTROL LIGHTING VIA CLOUD

Control all lighting groups remotely using the cloud platform. Select scenes in real time or create easy-to-use online schedules. Digital lighting control, re-

#### PRIORITISED ALERTS AND AUTO RECOMMENDATIONS

Receive real-time alerts with recommended actions to help diagnose or resolve the issue.

#### EASY INTEGRATION

Alerts from sites can be integrated into other building system and services through well documented APIs.

#### ▲ MAXIMISE USE OF EXISTING

Existing lighting control motion sensors are used to log occupancy data and create insights that help you maximise your space.



#### LIGHTING ENERGY MONITORING

Detailed energy monitoring of the lighting system - Monitor and analyse energy usage to help achieve energy optimisation and sustainability goals.

#### 2 LOG HISTORIES FOR DEEPER ANALYSIS

A history of system events lets you dig into issues when needed.

#### SEE WHERE THE ISSUES ARE

Instantly get a floorplan view of issues in the building, colour coded by severity level. You can see whether they are concentrated, and where the most critical ones are.



#### REMOTE ACCESS VIA VPN

Access capability for maintenance teams to centralise support over several sites at once.

### **BUILDING OPTIMISATION**



#### ENHANCE YOUR BUILDING EFFICIENCY AND END-USER SATISFACTION THROUGH OUR RECOMMENDATIONS ON ENERGY, SPACE AND OCCUPANCY DATA.

Sensors installed as part of a lighting control system can collect meaningful data that can be used to efficiently optimise a large range of systems and services, resulting in substantial cost savings for more than just lighting, all while improving the wellbeing for the users of the space.



### **Review and adapt** space usage

Helvar Insights is designed to help you achieve true building optimisation allowing you to review and adapt the usage of your space, by analysing data from the Helvar sensor network. This data can then easily be visualised on a floorplan of the space, providing building owners or tenants the ability to see how the space is actually used, and to highlight areas where savings can be made.



### Integration with third party systems

Integrate with other systems, such as HVAC, so that the data works in synergy to achieve optimal conditions for users of a space.

As the sensors are detecting absence and presence in realtime, this data can be integrated with, for example, a roombooking system – which means no more empty meeting rooms which have been booked in error, providing a true reflection of space availability.



Report functionality

The reports and insights gained from the data analysis help you to make decisions on how to optimise your space and the services provided within that space.

For instance, PIR optimisation reports can help you identify opportunities for PIR sensor time-out improvements that ensure user experience remains paramount whilst also saving energy.

# LIGHTING CONTROL SYSTEM MANAGEMENT



#### BUILD CUSTOMER LOYALTY WHILE MAXIMISING OPERATIONAL PRODUCTIVITY WITH REAL-TIME SYSTEM DATA AND CONTROL.

With Helvar Insights, you'll receive automatic e-mail notifications, giving you remote visibility of all issues, with their severity levels, and recommendations of actions you can take - making the entire experience as easy as possible and allowing you to plan ahead more effectively.



#### Fewer site visits

Helvar Insights is designed to alert you when intervention is needed and guarantee speedy resolutions. With remote monitoring, you have full visibility of all errors - anytime, anywhere - making it much easier for you to plan ahead. With automatic monitoring, you can reduce time spent on site and the number of callouts by fixing issues remotely.

That's right- make less visits to site.

Facility managers are notified of errors in real-time. This means drastically less time spent on investigation, so errors to monitor single or multiple can either be fixed remotely or with limited time spent on site, helping to maximise operational productivity.

Projects can be handed over with complete peace of mind, knowing that all errors are rectified, and the building is running as it should be.







#### **Remote lighting** control

Helvar Insights provides you with a simple interface, including floorplan graphics sites throughout the lifecycle of the building.

This intuitive interface gives you the power to make necessary adjustments to your lighting control system, including functions like scene recall or scene schedule.

Helvar

### **Helvar Insights Explained**

### **HELVAR INSIGHTS PLATFORM**

Helvar Insights is a cloud-based solution utilising the Amazon Web Services (AWS) platform. All data is stored and analysed in AWS. Integration to thirdparty services is possible through API.



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<ul> <li>Alert function</li> <li>Remote or loc</li> </ul>	ality gives you p al Lighting Con	eace of mind the trol and optimis

- Emergency lighting tests increase maintenance efficiency
- Heat maps indicate how the building is used

Helvar Insights can be connected to Helvar Lighting Control Solutions and approved thirdparty devices. In addition to cloud-to-cloud integration, onsite integration to the BMS is fully supported.

### ODULES

### **INSIGHTS**

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### WELLBEING INSIGHTS

• Monitor and present environmental conditions with recommendations and insights on how to improve wellbeing • Personal lighting preferences to energise and

increase productivity • Integrate environmental data and insights with other systems to enhance wellbeing and efficiency

### **TROL INSIGHTS**

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at your lighting is working sation save on maintenance hours

## **KEY BENEFITS OF HELVAR INSIGHTS**

Whether you're an installer, a facilities manager, a building owner or a tenant, Helvar Insights is the smart choice for a data-driven space.

#### ARF YOU AN INSTALLER?

- Increase your peace of mind, save time and cut costs during warranty.
- Avoid unnecessary site visits and save valuable time with automated system monitoring and alerts, and act quickly when needed.
- Access any site remotely and securely to modify and improve your installation.

### ARE YOU A BUILDING OWNER / PROPERTY DEVELOPER?

- Optimise building efficiency, improve maintenance operations and increase your tenants experience of the building by using Helvar Insights.
- Understand better how your tenant is using the building and make business decisions based on Helvar Occupancy Insights. Lower your energy usage and carbon footprint with Helvar Energy Insights.

### ARE YOU A FACILITY MANAGER?

- Increase your maintenance efficiency and response times. Spend less time on site with automated system monitoring and malfunction alerts and act quickly when really needed.
- Fix faults even before your tenants notice them, increasing their perception of maintenance quality. Eliminate further unnecessary visits by controlling lighting schedules and programming remotely.
- Understand better how your building is used every day and optimise spaces with Helvar Occupancy Insights. Lower your energy usage and carbon footprint with Helvar Energy Insights.

### ARF YOU A TENANT?

- Optimise building efficiency, increase the quality of your indoor environment and improve the experience of your most valuable asset, your employees, by using Helvar Insights.
- Understand better how your building is used every day and optimise spaces with Helvar Occupancy Insights. Lower your energy usage and carbon footprint with Helvar Operating Insights.





# **OCCUPANCY INSIGHTS**

OCCUPANCY INSIGHTS CAN HELP YOU TO OPTIMISE YOUR BUILDING SPACE BY CALCULATING THE UTILISATION FACTOR OF YOUR BUILDING, DIFFERENT SPACE TYPES AND INDIVIDUAL AREAS.



Data is presented in an easy-to-read dashboard and uses the sensors already in the Helvar lighting control system, meaning no need for additional IoT devices.

The intelligence of Occupancy Insights transforms movement sensor data into useable utilisation factor insights that will help you optimise your space to suit new ways of working. For example, if a meeting room is identified as being in low use, the space can be adapted into a break-out or social area to make better use of the space.

Occupancy insights can also be used for increasing revenue, for example, by redesigning a retail outlet to position products in areas of high footfall to increase sales.

With the right data and insights, our spaces can become truly intelligent.

			12:30		
INSIGHT					
Utilisation					
JUL 21	AUG 21	SEP 21		NOV :	
Average 30.01%		10	Lowest 22.61%		

## LIGHTING ENERGY MONITORING

HELVAR INSIGHTS MONITORS ENERGY USE FROM YOUR HELVAR LIGHTING CONTROL SYSTEM. THE SIMPLE DASHBOARD ALLOWS YOU TO ANALYSE LIGHTING ENERGY USAGE IN THE WHOLE BUILDING OR SPECIFIC SPACE TYPES, SUCH AS, MEETING ROOMS OR IN SINGLE SPACES.



#### Energy monitoring brings awareness, highlights areas for improvement and allows you to confirm that energy-saving projects are achieving their goals by providing the data to back up the return on investment. It can also help with energy efficiency certification and ESG reporting.

With energy prices increasing and with an ethical responsibility to save energy from a sustainability perspective and as a way of helping to ensure a secure energy supply, understanding how your lighting system uses energy is an important part of your facility management process.

# AUTOMATED EMERGENCY LIGHTING TESTING



DALI SELF-CONTAINED EMERGENCY LUMINAIRES CONNECTED TO A HELVAR LIGHTING CONTROL SYSTEM WITH HELVAR INSIGHTS ALLOW YOU TO AUTOMATE ALL THE STATUTORY TESTS REQUIRED, MEANING THERE IS NO NEED FOR EXPENSIVE MANUAL TESTING OUTSIDE OF OFFICE HOURS.

Automatic testing provides a systematic way of checking that the battery and lamp in each emergency light are fully operational.

Automated testing can mean one person can test and maintain the emergency lighting systems in multiple buildings. Thus, maintenance teams can focus their valuable time on fixing or maintaining items that need manual intervention rather than testing working building services.

With Helvar Insights, you can schedule all functional and duration tests and monitor the functionality of the luminaires and battery discharge periods. Reports are generated automatically with far more accuracy than a manual report, and all reports are stored in a site-specific archive, retrievable via the Helvar Insights web user interface. The reports will highlight any failures from a test.

Automated emergency lighting testing saves time, increases efficiency, and reduces maintenance costs whilst improving the emergency lighting system's availability.





## Helvar Insights CASE STUDIES

#### Nova Hospital, Finland

Hospital Nova wanted lighting that would improve patient comfort and staff work without compromising on energy efficiency.

The hospital is installed with the latest Helvar Insights, which automatically monitors the system's status 24/7 and notifies maintenance engineers of any faults that require attention.

Nova Hospital has access to the full range of Helvar lighting control solutions, making the entire site a perfect example of a hybrid wired and wireless solution with Helvar Insights bringing a new kind of efficiency to the hospital by monitoring the occupancy rate of the property.

### The Spine, United Kingdom

The Royal College of Physicians' (RCP) new home in Liverpool occupies 70,000 square feet across seven floors in The Spine, which is the UK's first building designed to achieve the prestigious WELL Platinum standard for wellbeing – of which light is an important element.

Helvar Insights has been installed, allowing the RCP to make decisions backed up by reliable data gathered from their existing lighting control devices and sensors – and thus to improve the wellbeing of users and the efficiency of their building, and help achieve sustainability targets.

#### Notes





One of the smart building features of the Helvar system is that it enables us to collect occupancy data for all spaces. This helps us understand how our building is used and it's in line with our smart building ambition.

KARI MELANDER - Development Director, Ramboll

We're based in Finland, Sweden and the UK - but we work with Partners all over the world.

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