



Helvar

Hybrid Systems & Applications

Helvar

**TURNING EVERYDAY PLACES
INTO BRIGHTER SPACES**

103

YEARS OF
INNOVATION

300,000+

PROJECT
REFERENCES

85+

PARTNERS
WORLDWIDE

Connecting Wired & Wireless Systems

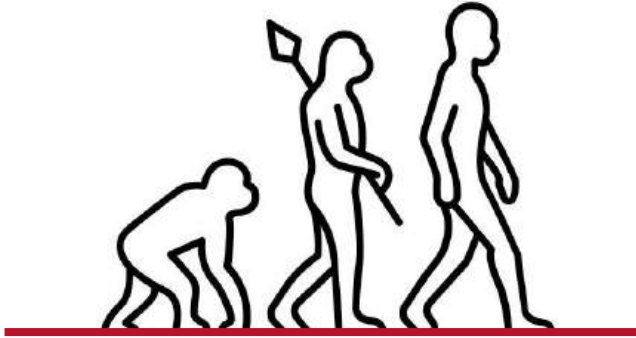
Helvar

Why?

1. Fully Connected System
2. Ultimate Design Flexibility
3. Best Fit Technology for Space



Evolution of Hybrid Lighting Controls



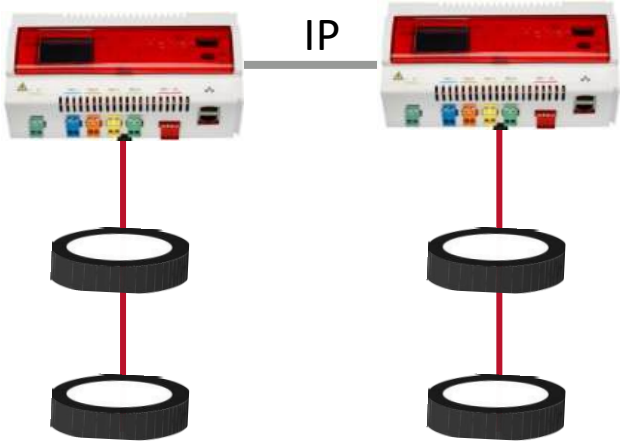
Wired Dominant

Wireless Dominant

True Hybrid



Solution Options

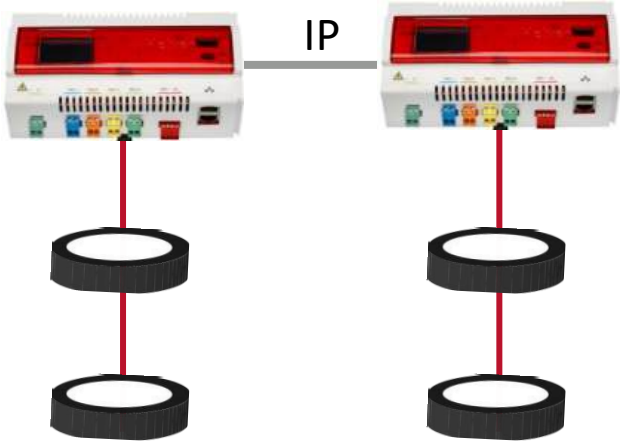


Wired

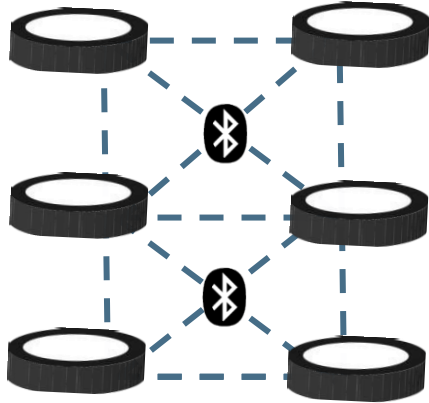
Wireless

Hybrid

Solution Options



Wired

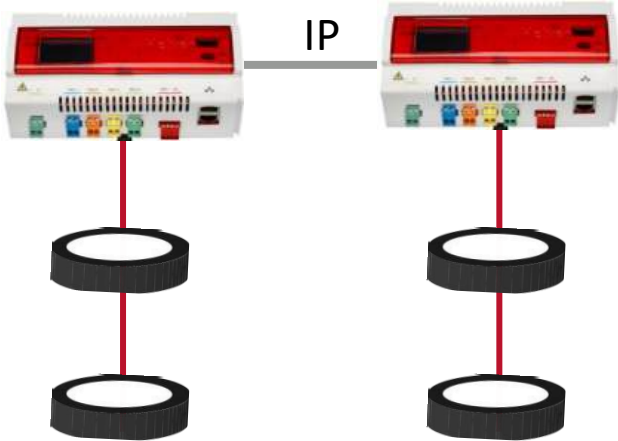


Wireless

Hybrid

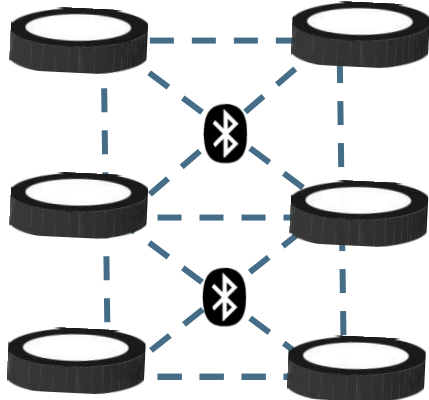
Solution Options

Helvar



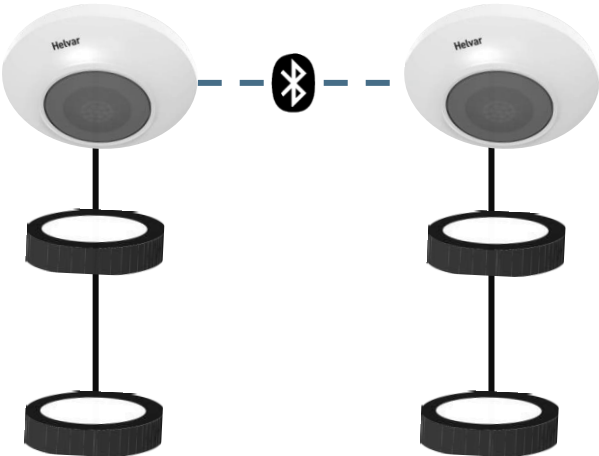
DALI 2

Wired



Bluetooth MESH

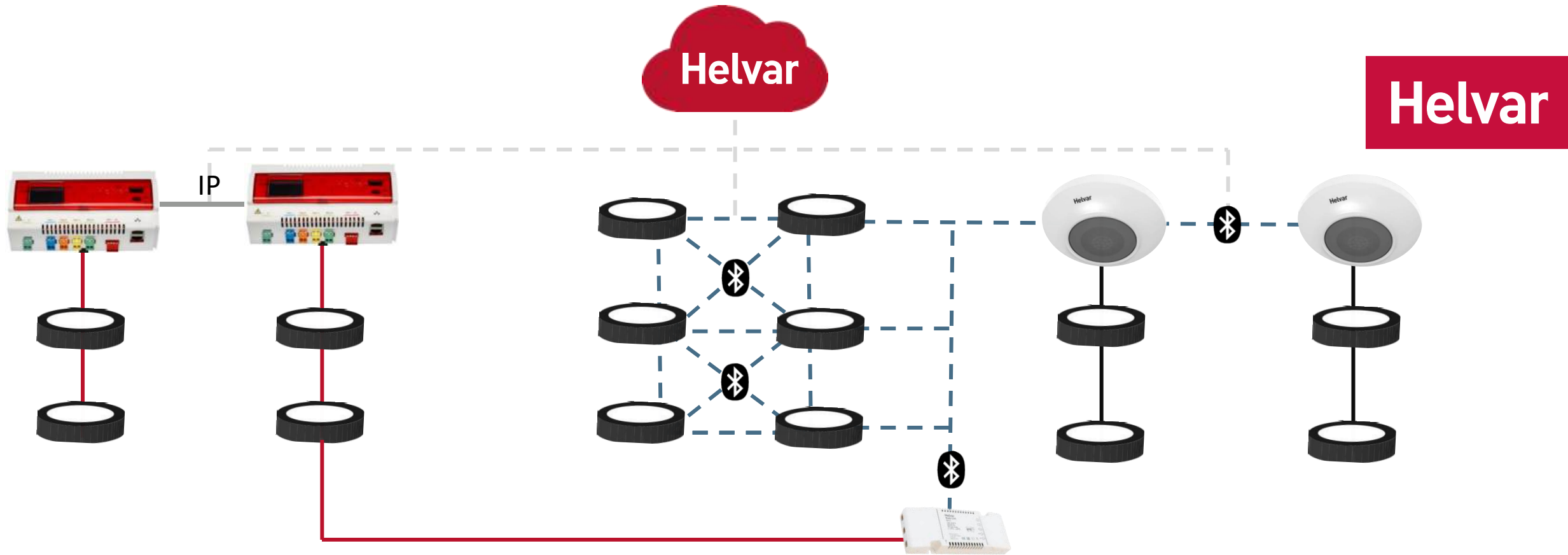
Wireless



DALI 2

Bluetooth MESH

Hybrid

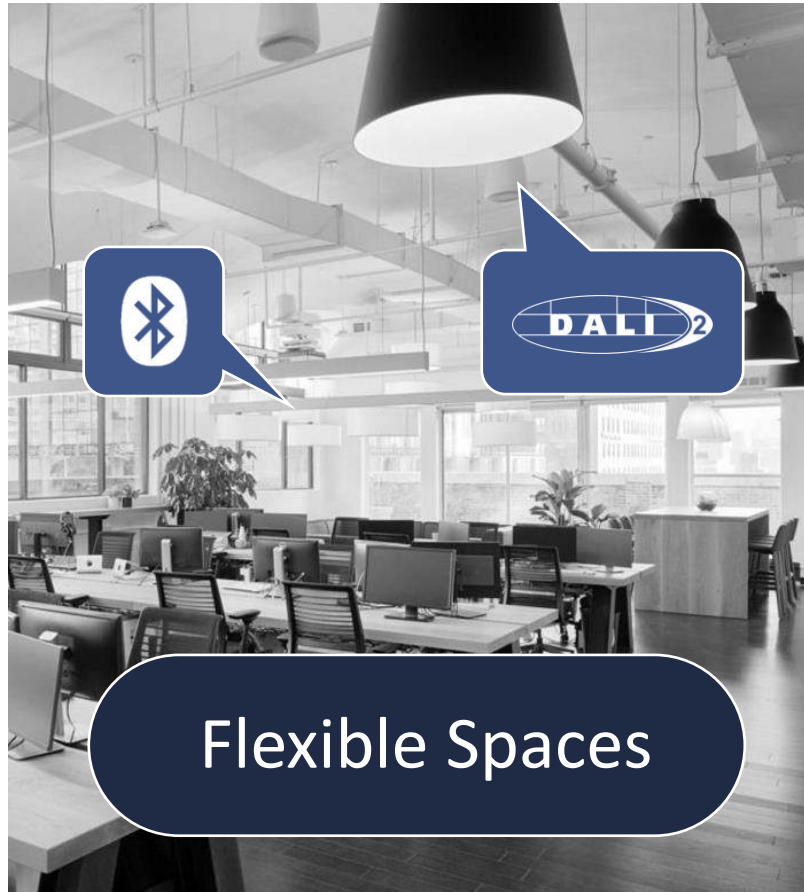


Hybrid Solution

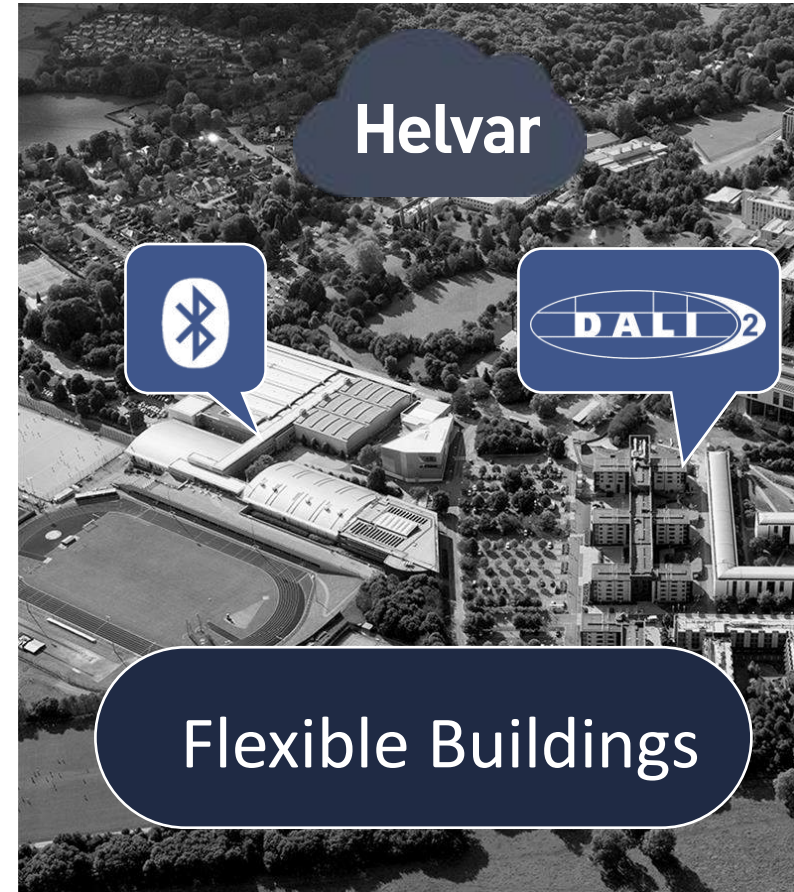
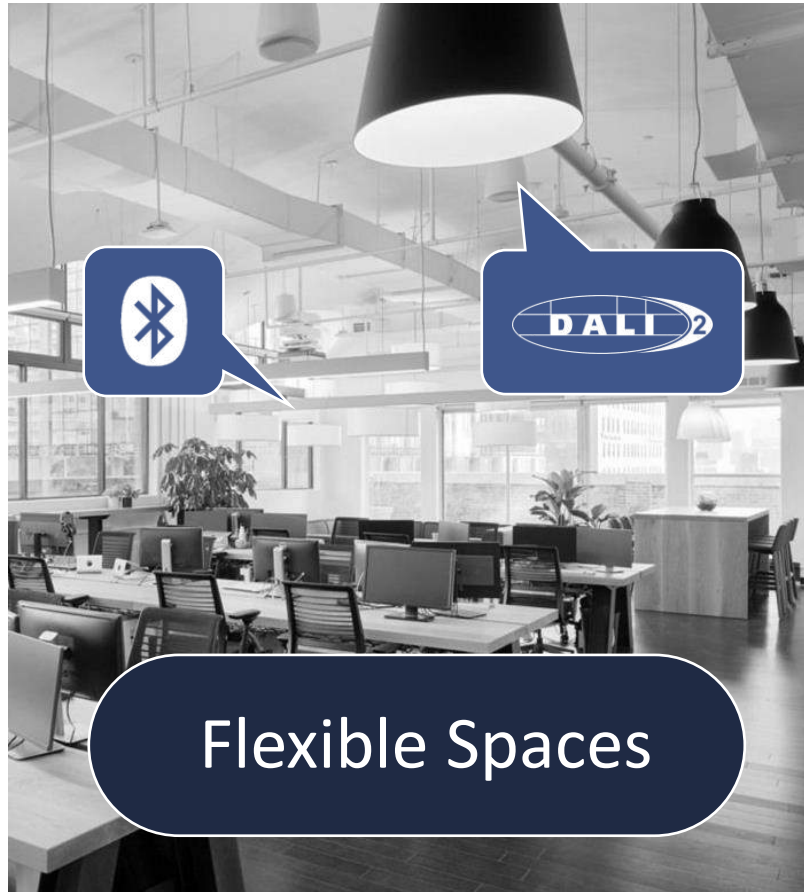
Hybrid Capabilities



Hybrid Capabilities



Hybrid Capabilities

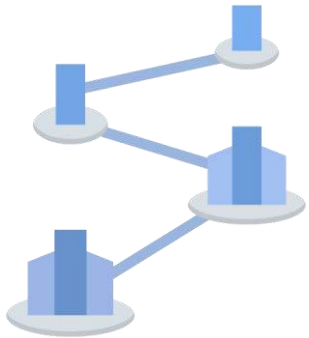


Hybrid System Benefits & Features

The background of the slide is a dark blue, semi-transparent overlay on a city skyline at night. The skyline includes several tall buildings, some with lights on. Overlaid on the city is a complex network of white and yellow nodes connected by thin lines, representing a hybrid system or data network. The nodes are scattered across the left and center of the image, with some clusters and some isolated points. The overall aesthetic is modern and technological.

Hybrid System Benefits & Features

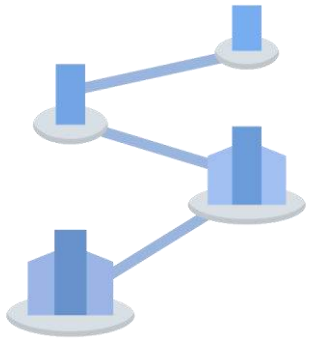
FLEXIBLY SCALE



Futureproof &
Operational
Efficiency

Hybrid System Benefits & Features

FLEXIBLY SCALE



SEAMLESS AUTOMATION & CONTROL



INTEGRATIONS

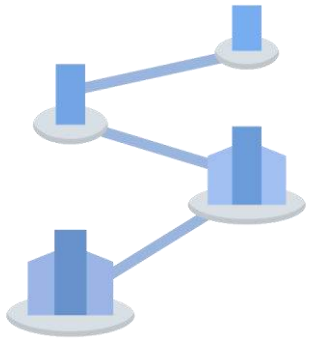


Futureproof &
Operational
Efficiency

Maximise
Energy
Savings

Hybrid System Benefits & Features

FLEXIBLY SCALE



Futureproof &
Operational
Efficiency

SEAMLESS AUTOMATION & CONTROL



INTEGRATIONS



Maximise
Energy
Savings


PERSONAL CONTROL



Comfort
&
Wellbeing

CIRCADIAN LIGHTING



A modern office interior featuring a reception desk with a woman behind the counter and a man leaning on it. Another man is walking in the background. The space includes large windows, a grid ceiling with plants, and contemporary furniture like round ottomans. The text 'Case Study Rejlers Office, Sweden' is overlaid in the center.

Case Study Rejlers Office, Sweden

Hybrid Project – Rejlers Office, Sweden



Helvar IMAGINE

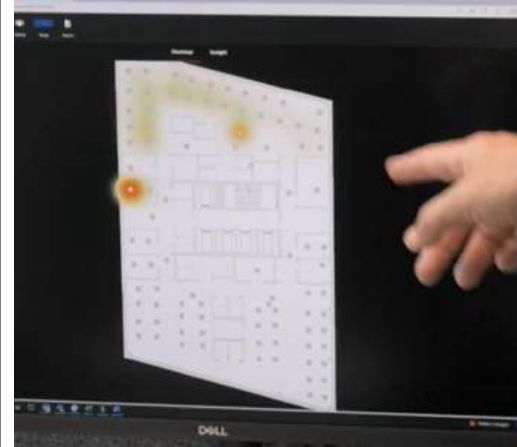
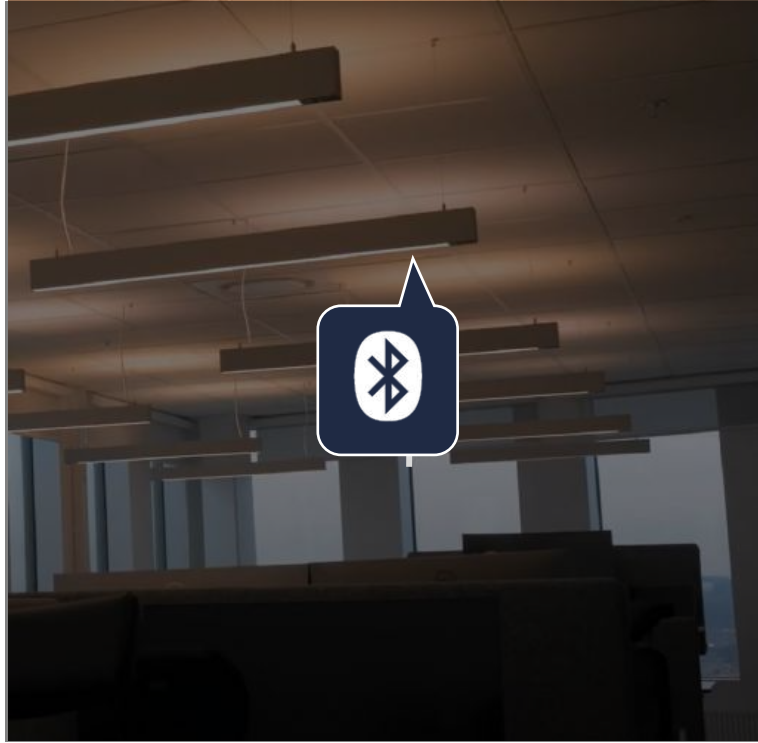
Helvar ACTIVEAHEAD

Helvar SENSES

Helvar INSIGHTS

Hybrid Project – Rejlers Office, Sweden

Helvar



Helvar IMAGINE

Helvar ACTIVEAHEAD

Helvar SENSES

Helvar INSIGHTS

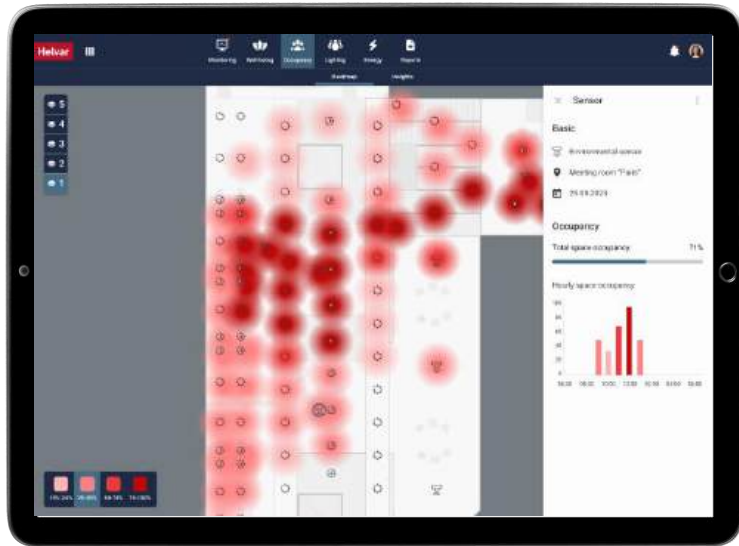


ANTONI
VAN
LEEUWENHOEK
NEDERLANDS KANKER INSTITUUT



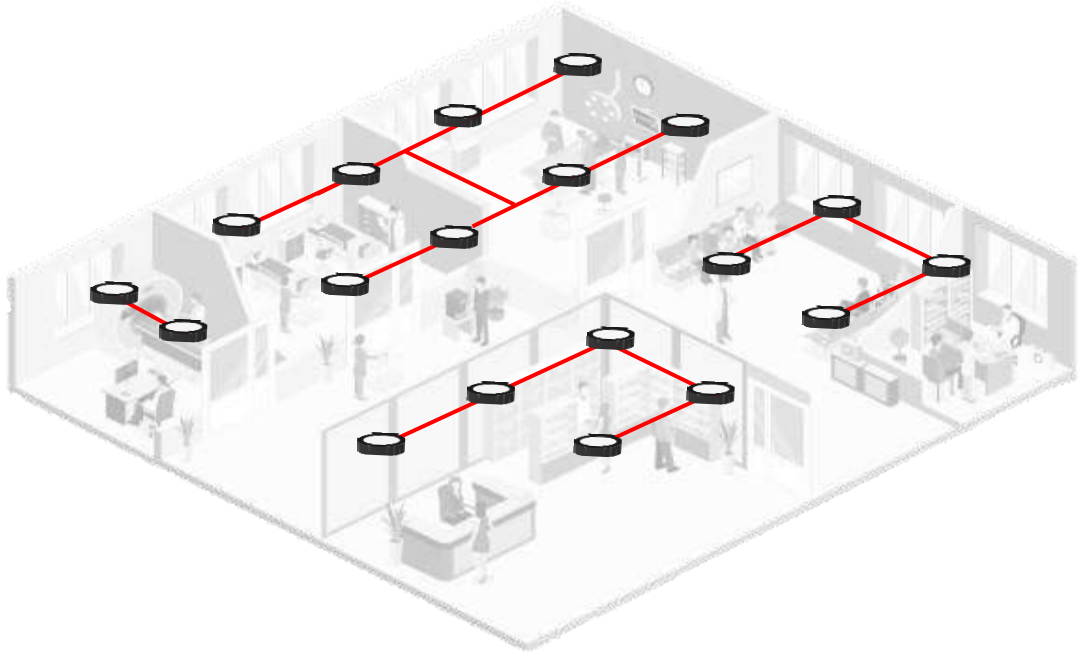
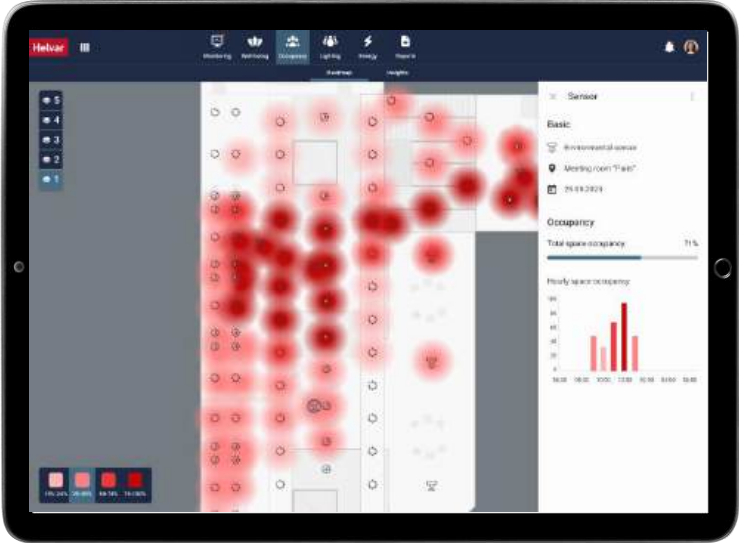
Case Study AVL Hospital, Netherlands

AVL Hospital Solution



Turning Everyday Places into Brighter Spaces

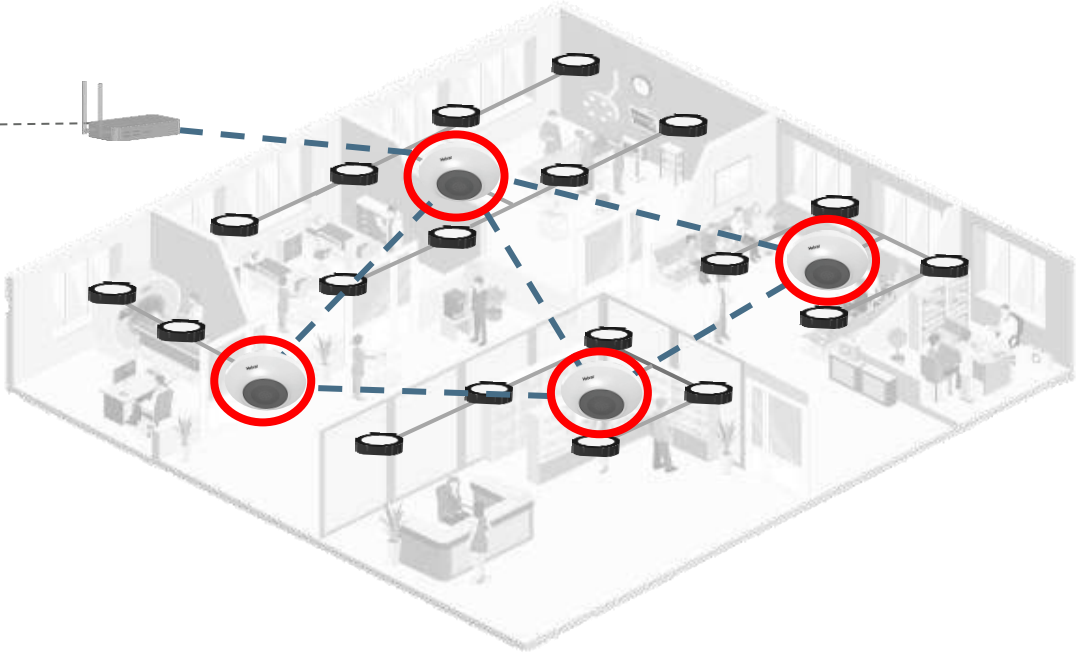
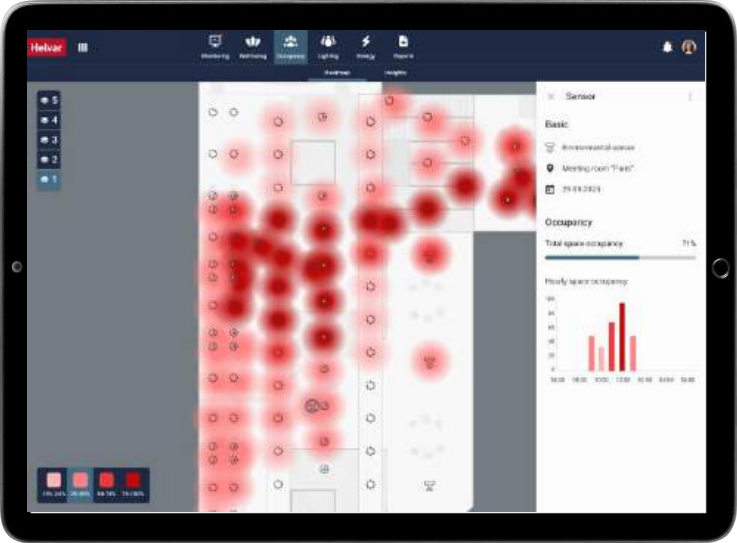
AVL Hospital Solution



AVL Hospital Solution



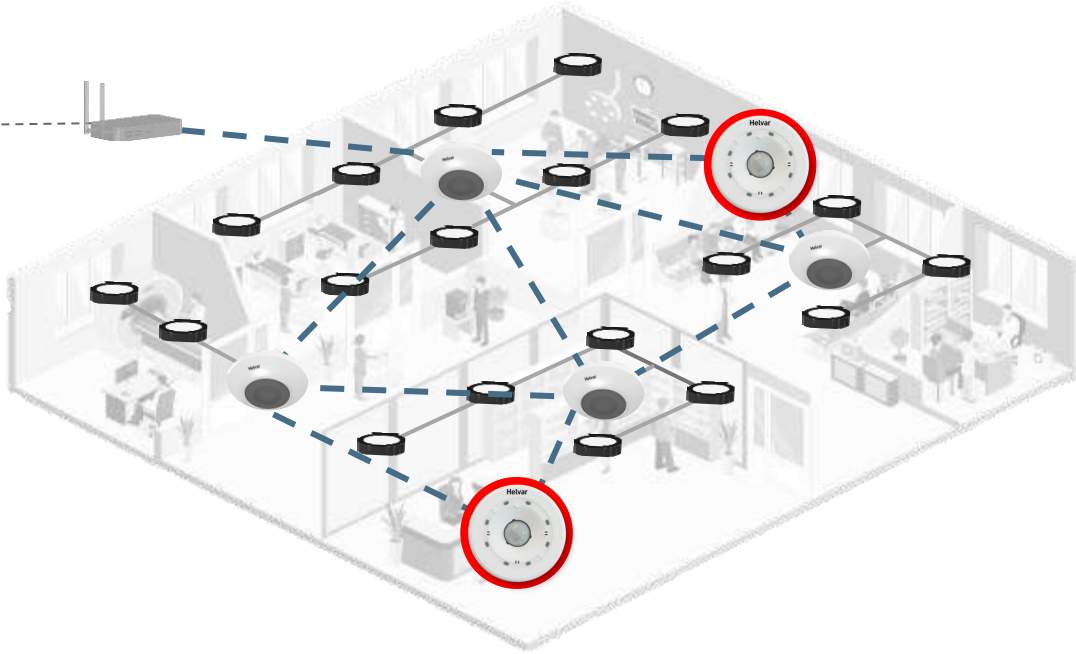
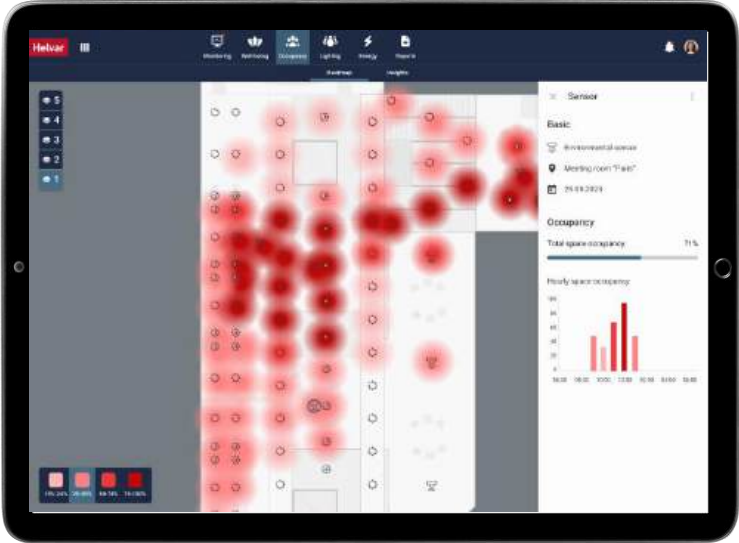
API



AVL Hospital Solution

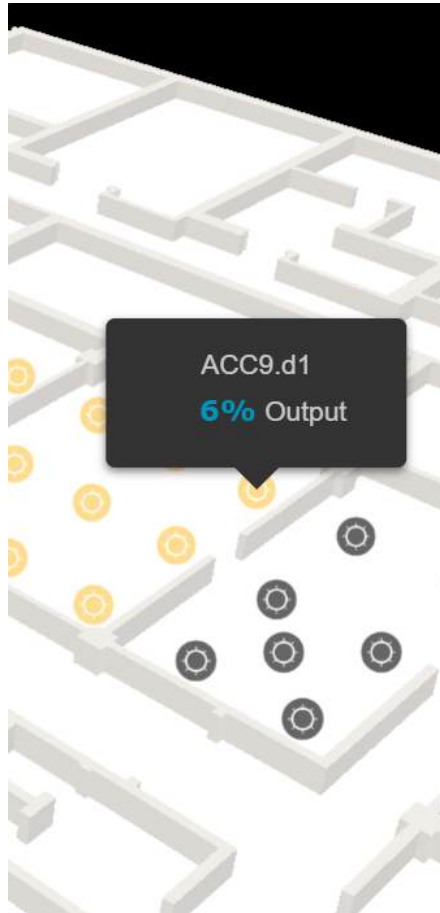


API

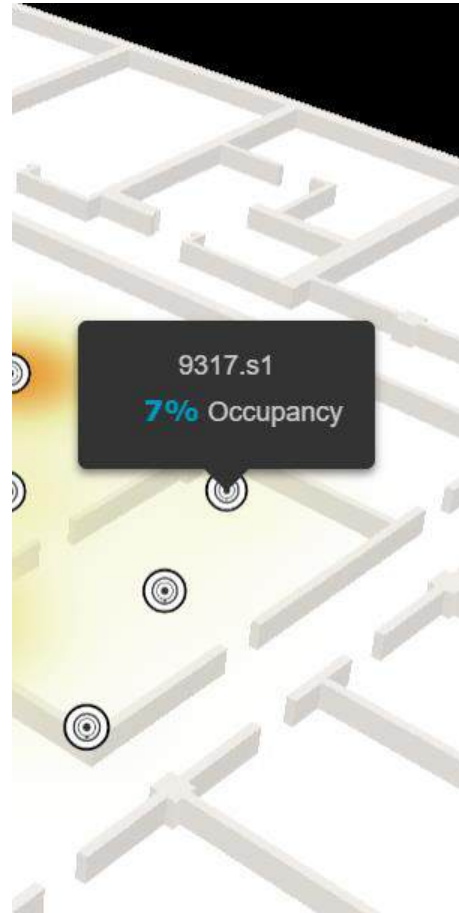


System Monitoring

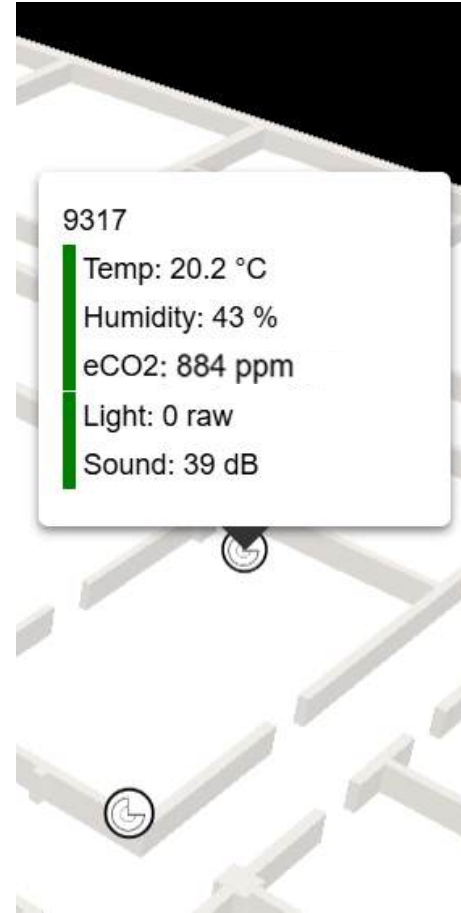
System Status



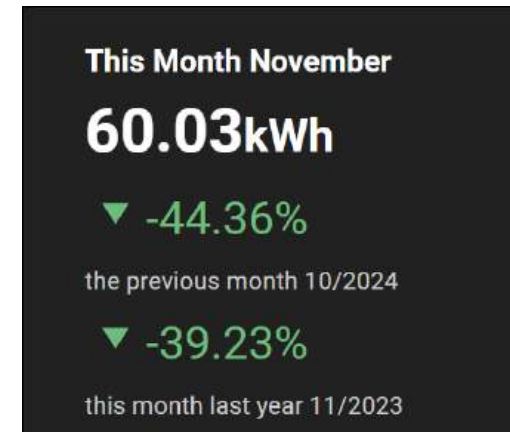
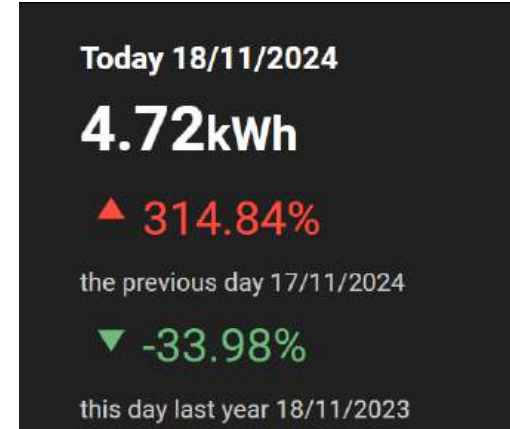
Occupancy



Environmental



Energy



Insights – Space Utilisation

Heatmap Insight

YEAR MONTH DAY

< 15 >

15 Oct 2024

All floors

→

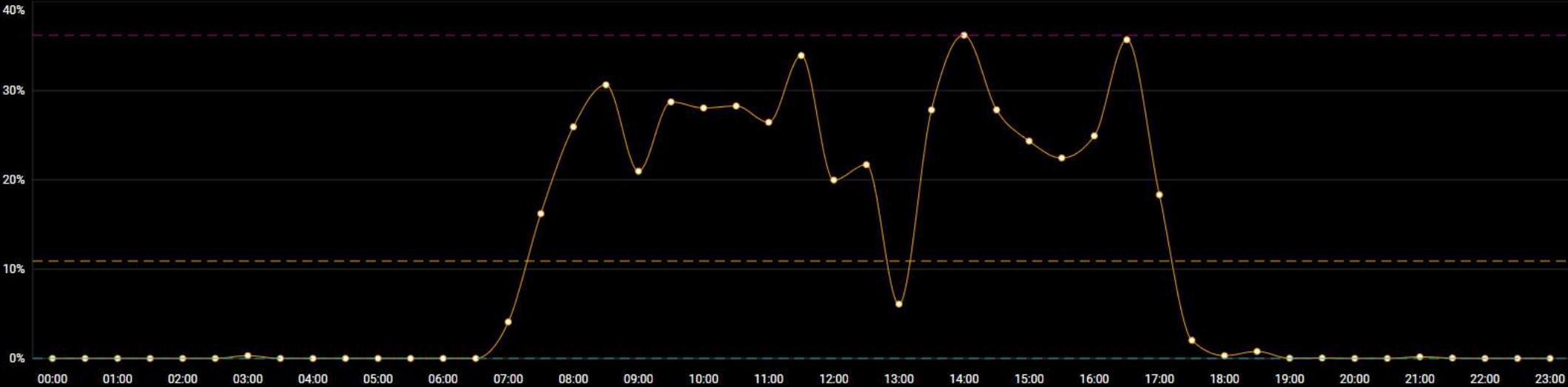
Office room

→

All spaces

00:00 to 23:30

Utilisation



Insights – Thermal Comfort



Insights – Indoor Air Quality

Floorplan Details

< 14 >

14 Nov 2024

Carbon Dioxide

All floors

Office room

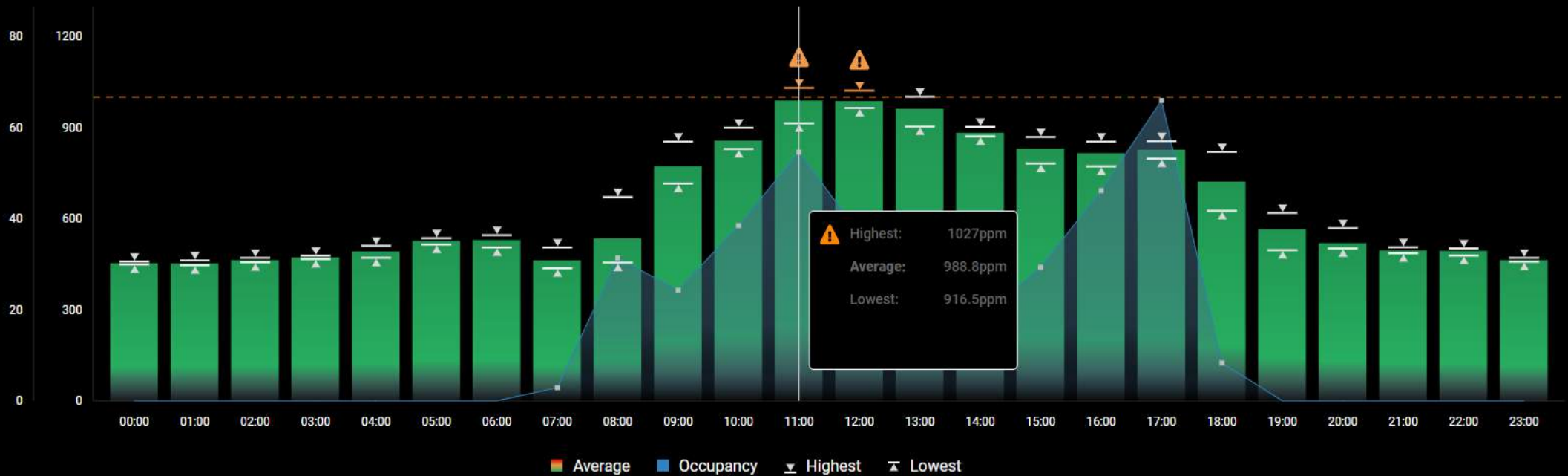
12.20 : D.0.359

Sensor

All sensors

00:00 to 23:30

Occ % Carbon Dioxide





Case Study UK Office Renovation

Existing Space

[Lighting Renovation]



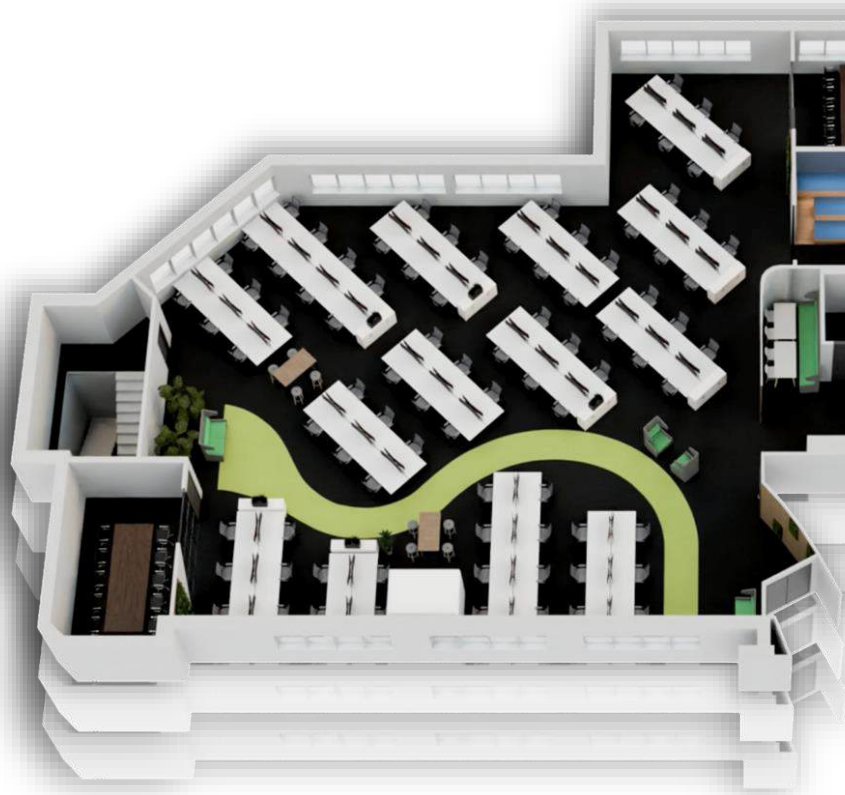
Client:

Engineering Firm, Part of Global Construction Group

- Existing Identity
- Existing DALI-2 System
- Needs Upgrading

Existing Space

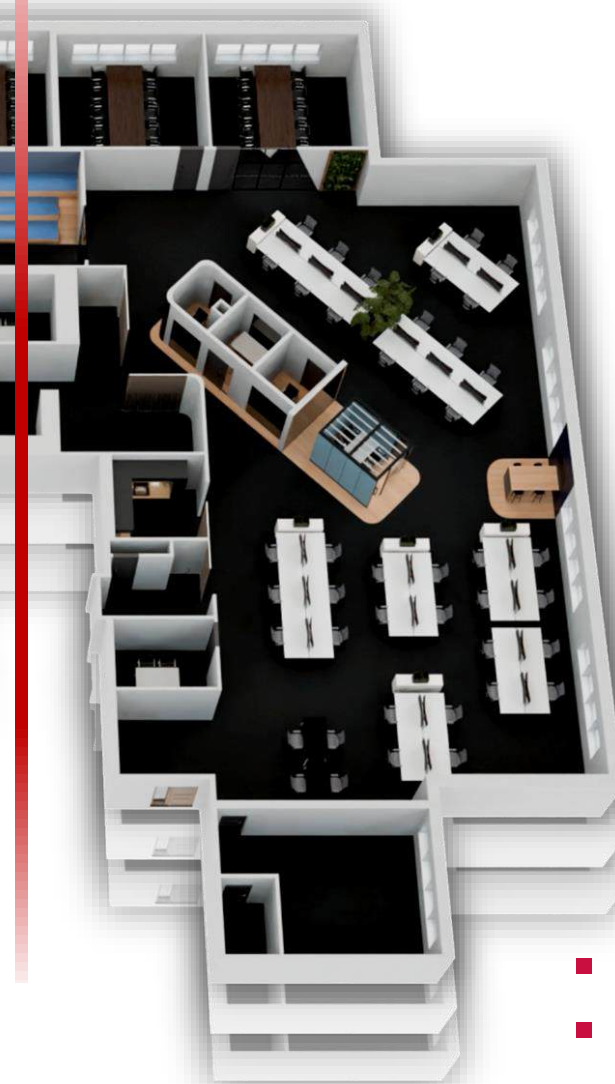
[Lighting Renovation]



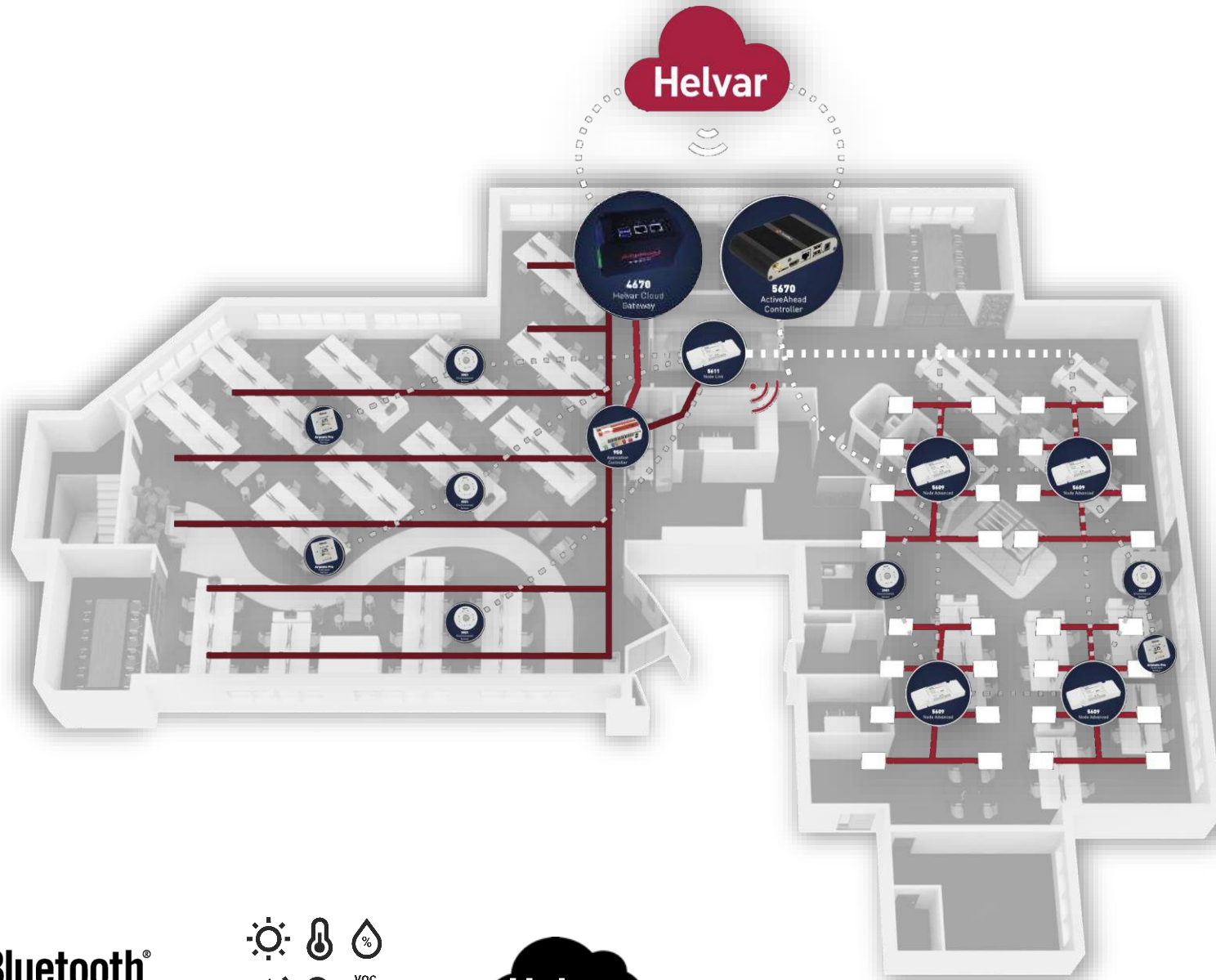
- Existing Identity
- Existing DALI-2 System
- Needs Upgrading

Renovated Space

[Full Renovation]



- Seamless Expansion
- Collect Data & Insights
- Keep Same Look & Feel



Helvar IMAGINE

Helvar ACTIVEAHEAD

Helvar SENSES

Helvar INSIGHTS



Helvar
3901
Environmental Sensor

- CO₂
- Temperature
- Humidity
- Light
- VOC

5609
Node Advanced

Existing Space
[Lighting Renovation]

Renovated Space
[Full Renovation]



Helvar



3901
Environmental Sensor



950
Application Controller

Existing Space
[Lighting Renovation]

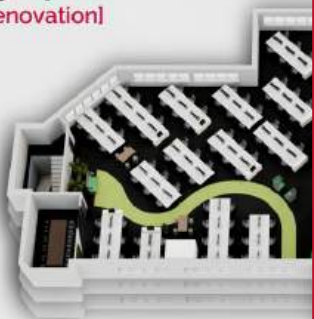
Renovated Space
[Full Renovation]

 **Bluetooth**[®]
MESH



DALI 2

Existing Space
[Lighting Renovation]



Renovated Space
[Full Renovation]



A modern office interior with desks, computers, and plants. The ceiling features a complex network of white lines and dots, resembling a neural network or data flow. The office is dimly lit, with light coming from the ceiling and windows in the background. The overall atmosphere is professional and tech-oriented.

Helvar

**Thank you
Questions**