

Lighting Intelligence Showcase



## Hello. We are Helvar.

Hospitals. Offices. Galleries. Schools.  
Hundreds of places use Helvar.

We're world leaders in lighting intelligence.

Our solutions are built for wellbeing. They save energy and improve human comfort. They help you concentrate and are good for our planet.

For work. For play. For wherever there is light — Helvar will mean you're in charge.

Always fully integrated and designed to scale and flex, they're perfect for each situation.

And with intuitive app-based interfaces, you can select the right scene at a touch.

Whatever your lighting control needs, we can help. From a small shop to a luxury liner.

With a reputation for service stretching back a century, we'll be beside you each step of the way.





# CULTURE

From preserving priceless frescoes by Giotto and Cimabue to presenting portraits through the eyes of Old Masters, Helvar lighting controls help people cherish the world's greatest treasures.

### WHY HELVAR?

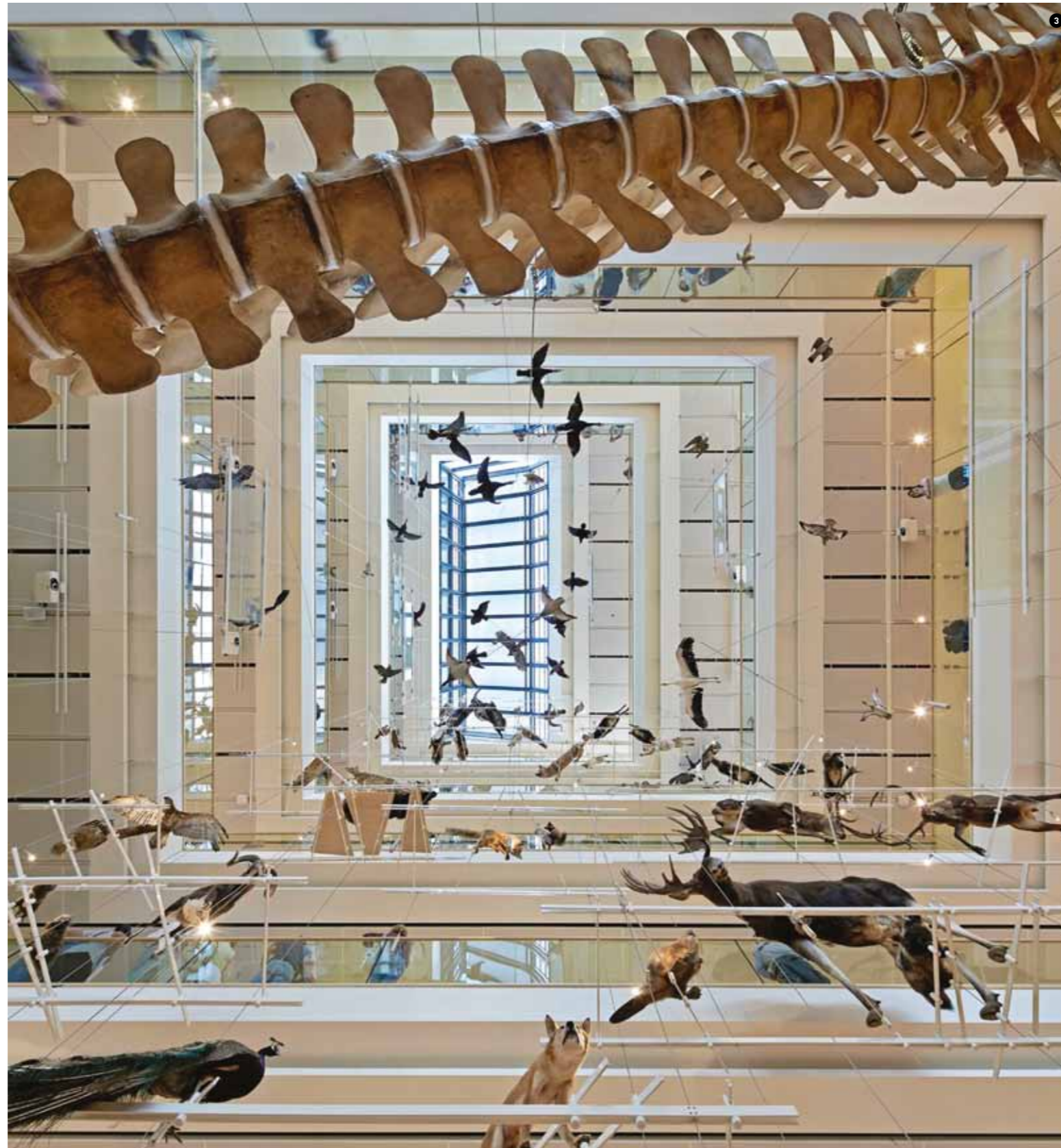
- Activity-based light levels
- Simple programming for different event types
- One system for multiple applications
- Integration with entertainment lighting – Architainment™
- Energy management and maintenance
- Power-on to last level used
- Integration with building management and audio-visual systems
- Control of multiple load types



**1** Forums and Emperors, Rome, Italy  
At sunset, the system's astronomical clock automatically activates programmed scenes.



**2** The Postal Museum, London  
We used 40 ceiling PIR detectors to maximise energy efficiency.



© Millan-Crow



© Heija Korhala

**3** MuSe Museum, Trento, Italy  
Light intensity is adjusted continuously, depending on the natural daylight available.

**4** Didrichsen Art Museum, Helsinki, Finland  
Every luminaire in the DALI-controlled spotlights and wall washers can be adjusted for each piece of art.



**5** Helsinki Design Museum, Finland  
We can define lux-based intensity thresholds to protect delicate textiles, tapestries and paintings.

“Helvar’s lighting control solution is an excellent application for a museum environment.”

PEKKA NISSINEN  
Helsinki Design Museum



CULTURE

Stable light levels for reading. Stepless dimming. Infinite colours and tunable whites. Whether you're creating a cutting-edge display or an atmosphere from ancient history, we've got the know-how to make it happen.

HELVAR FOR YOUR:

- Arena
- Auditorium
- Cinema
- Concert hall
- Entrance hall
- Foyer
- Fitness centre & spa
- Parking
- Restaurant
- Stairwell



**6 Heusenstamm Castle, Hesse, Germany**  
After midnight, night mode starts automatically. Dimmable lights are set to 30% and switchable lighting turns off.

**7 Olympic Museum, Lausanne**  
Infinitely adjustable lighting helps visitors explore the exhibits.



**8 National Library of Finland, Helsinki**  
Our 910 DIGIDIM router system is easy to install, scalable, and adaptable enough for many large buildings.

**9 National Portrait Gallery, London**  
Helvar lighting provides a constant colour temperature, so each portrait looks exactly as the artist intended.

“By using Helvar, we estimate that the library has saved 70-80% of its energy used in lighting.”

JUKKA RIIKKULA  
Helvar, Finland



**10 Kabuki-za Theatre, Tokyo, Japan**  
Helvar lighting conjures “everlasting moonlight” – a feature of the Edo Period when Kabuki began.





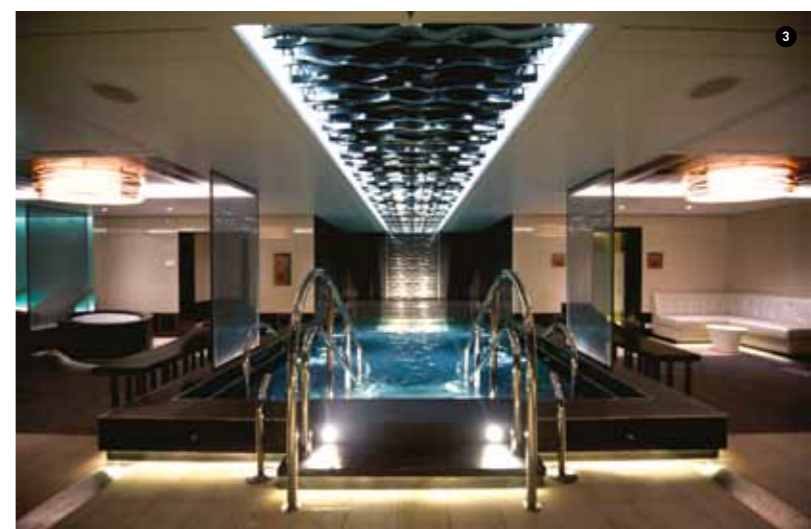
# MARINE

“Using Helvar lighting control was a simple decision for us.”

ANDREAS KÖHLER  
Wärtsilä FUNA



1



3

4 Royal Caribbean Allure of the Seas  
Lighting scenes are programmed to follow the diurnal rhythm of passengers – and the ship herself.

- 1 Royal Caribbean Symphony of the Seas**  
The world's largest luxury cruise ship uses Helvar intelligent lighting throughout.
- 2 Royal Caribbean Allure of the Seas**  
By day or by night, the Allure of the Seas represents lighting control at magnificent scale.
- 3 P&O Line Britannia**  
The finer and smoother the control of each light fixture, the better the comfort of guests.



4

Live in luxury on the open seas. Beautiful ballrooms and sensational spas are a sign we're at work below-deck. From casinos, cinemas and chandeliers to in-cabin scenes that create the perfect ambience, you're sure of smooth sailing with Helvar.

- WHY HELVAR?**
- Scene section to create the right ambience
  - Fully scalable, from a single cabin to the entire ship
  - Integration with room management and audio-visual systems
  - Control of multiple load types
  - Energy monitoring and maintenance
  - Automated control of public spaces



2



**MARINE**

The world's most magnificent yachts and cruise liners use Helvar. Wherever you are in the oceans, our systems work with geographical light and circadian rhythms, creating comfort and pleasure for guests.

**HELVAR FOR YOUR:**

- Ballroom
- Boutique
- Cabin
- Cinema
- Concert hall
- Façade and landscaping
- Fitness centre & spa
- Lobby
- Restaurant

**5 Royal Caribbean Harmony of the Seas**  
We pride ourselves on a high degree of customer support, suited to the most ambitious projects.

**6 P&O Line Britannia**  
P&O Cruises' biggest ship relies on Helvar to maintain a relaxed and opulent feel.

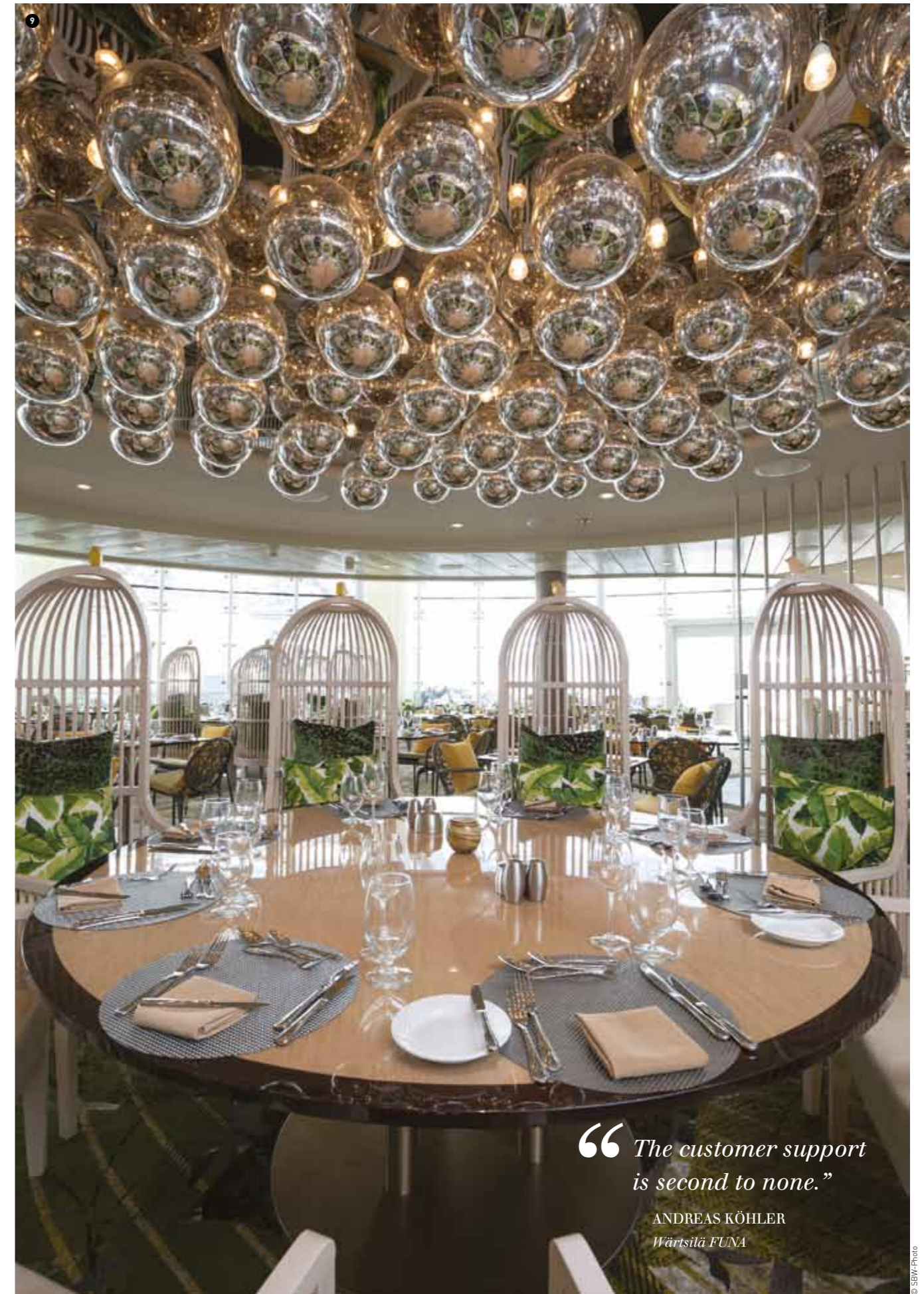
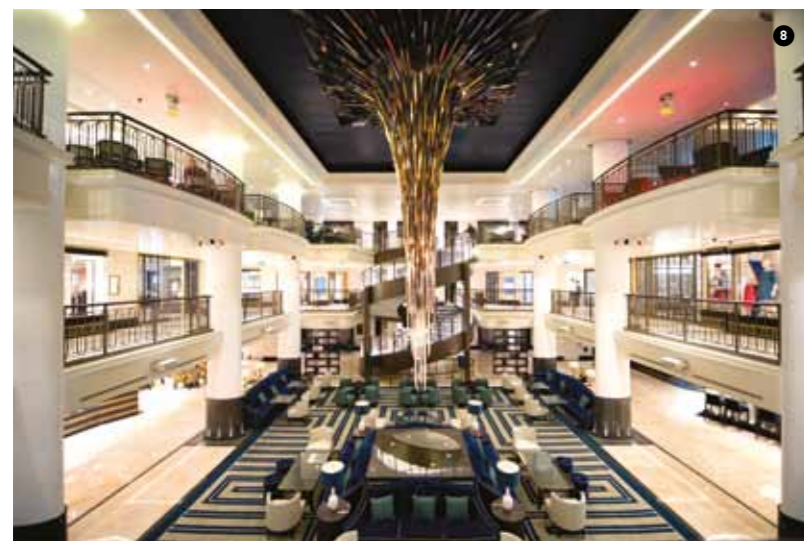


**7 Royal Caribbean Harmony of the Seas**  
Let robot bartenders mix you a drink on a deck lit with Helvar controls.



**8 P&O Line Britannia**  
The atrium's impressive starburst chandelier is controlled by the Helvar system.

**9 Royal Caribbean Symphony of the Seas**  
Helvar's dynamic lighting aboard "the greatest cruise ship of all time".



*“The customer support is second to none.”*

ANDREAS KÖHLER  
Wärtsilä FUNA



“It’s a flexible and open system. You can easily extend it later.”

CHRISTOPHER STIMPEL  
EGGER Group



1 © Christian Vorhofer

## OFFICES

Lights to energise and inspire. Lights to boost health, mood and happiness. Cool blues for laser-sharp concentration. Warm tones to help you wind down. Our scalable, DALI-led open systems are future-proof and easy to use.

### WHY HELVAR?

- Fully scalable, from a single office to the whole building
- Daylight harvesting and presence detection for energy saving
- Corridor hold function for safety and comfort
- Cooperative presence/absence detection
- Integration with building management and audio-visual systems
- Control of multiple load types
- Energy monitoring and maintenance
- Blind control



2



3 © James Newton Photographs

### 1 Egger Headquarters, Tyrol, Austria

A Helvar 405 repeater extends the DALI line length beyond the standard 300m.

### 2 World Trade Center, Abu Dhabi

The world’s largest DALI project runs on Helvar, featuring sun tracking and digital lighting control.

### 3 Rogers Stirk Harbour and Partners Studio, London

Colour temperature and intensity change through the day, reflecting natural circadian rhythms.

### 4 Boss Design, London

Room lights automatically switch on as you enter: useful when carrying files and a laptop.



4 © Boss Design



OFFICES

Simply press 'Presentation' and the screen lights dim down. First to arrive? Bathe in beautiful 4000K. Got a coffee in one hand and your laptop in the other? Switch on to voice-controlled lighting.

HELVAR FOR YOUR:

- Canteen or restaurant
- Corridor
- Lift lobby
- Meeting room
- Open plan office
- Reception
- Single office
- Stairs



5 SafeExit, Glostrup, Denmark

Lighting can be controlled from a tablet with our SceneSet app.

6 SafeExit, Glostrup, Denmark

With lighting intelligence, light levels can be adapted for every task.



7 Helvar HQ, Finland

By monitoring and measuring movement patterns, ActiveAhead® consistently learns and adapts.

8 Statoil Headquarters, Fornebu, Norway

At the main entrance, LED backlights are controlled by Helvar 910 routers combined with daylight sensors.

“ Helvar’s DIGIDIM system was the best possible choice for lighting control.”

MATTI SINISALA  
Electrical designer for the European Chemicals Agency, Helsinki

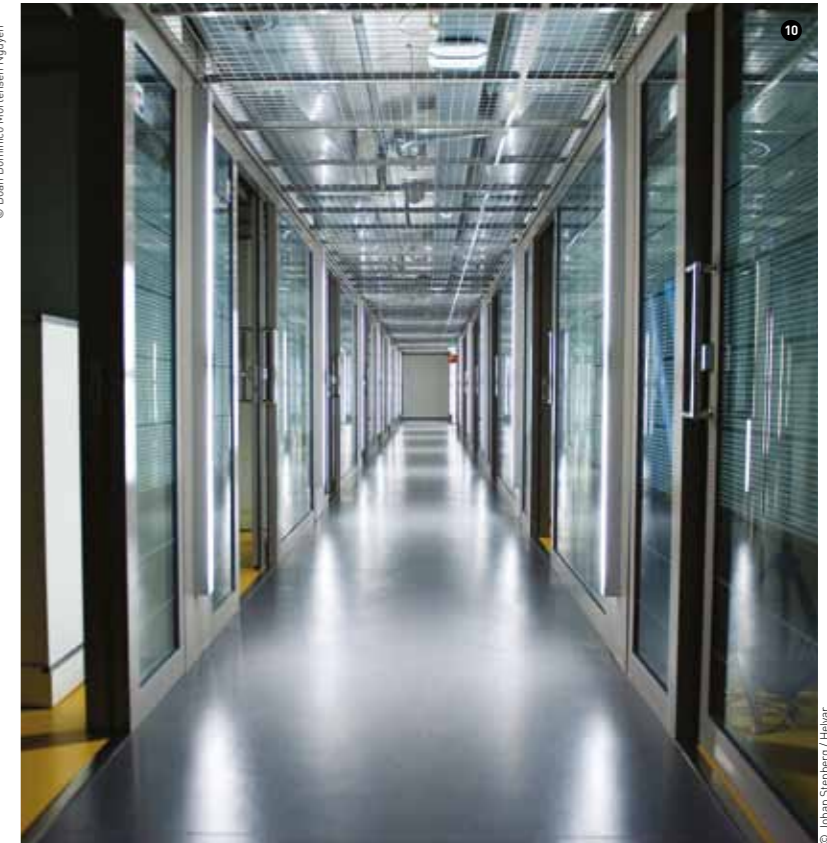


9 Salo City Hall, Salo, Finland

The lighting in the lobbies is controlled by time schedules and presence detection.

10 European Chemicals Agency, Helsinki, Finland

Even underground, colour temperature control boosts energy levels and brings greater comfort.





# EDUCATION

Good light feeds growing minds. It takes flicker-free conditions to help learners stay sharp. And intelligent lux level monitoring to efficiently harvest natural daylight. It's a prize-winning formula for concentration. Wellbeing. And budgets.

**WHY HELVAR?**

- Student comfort
- Correct light level for every activity
- Classroom or whole building solution
- Integration with building management and audio-visual systems
- Automated or manual control
- Daylight harvesting and presence detection for energy saving
- Energy management and maintenance



**1** Kaisatalo Helsinki University Library  
The system calculates natural light levels and uses anti-glare LEDs to create a stable reading environment.

**2** Gateway to the Valleys School, Bridgend, Wales  
In this fully integrated system, teachers can individually control lighting around windows and whiteboards.



**3** Terväskylä School, Finland  
Visually impaired students benefit from even lighting with minimal glare.

**4** Uppsala Teacher University, Sweden  
Intelligent lighting systems aid comfort, concentration and wellbeing.

“*Helvar’s lighting control system is perfectly suited for schools. The teacher can adjust the lighting at the press of a button.*”

**ERKKI ANTILA**  
Electrical manager for the Terväskylä School project



**5** Uppsala Teacher University, Sweden  
Students and teachers benefit from light designed to coincide with circadian rhythms.



EDUCATION

Controlling lights above whiteboards.  
Connecting cross-campus buildings.  
Helvar speaks to your existing  
facilities and audio-visual systems.  
Creating dazzle-free learning  
environments.

HELVAR FOR YOUR:

- Administration office
- Assembly hall
- Auditorium
- Canteen
- Classroom
- Corridor
- Gymnasium
- IT suite
- Nursery
- Reception
- Science lab
- Staffroom
- Stairs

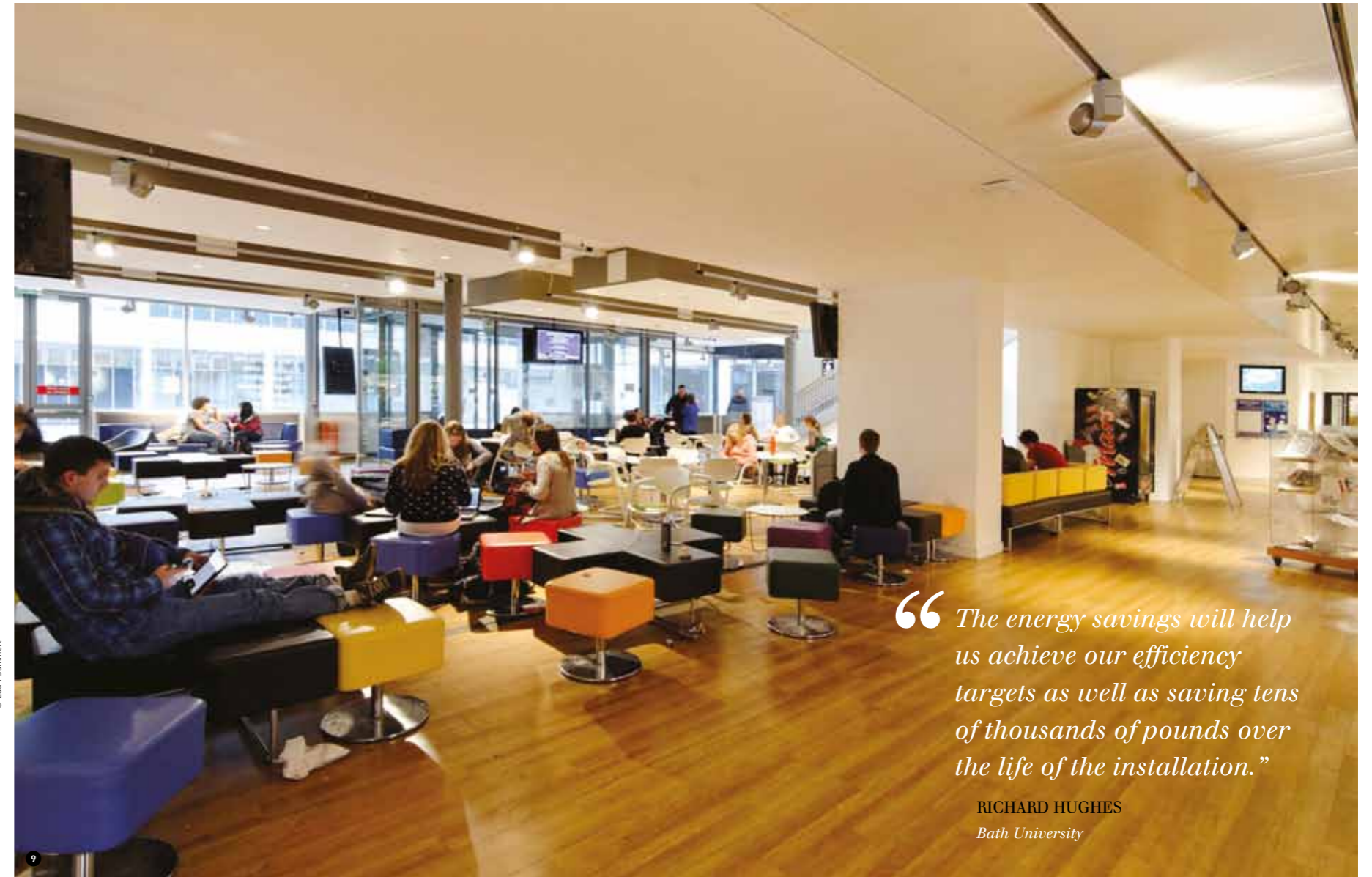


**6** Kaisatalo Helsinki University Library, Finland

Controllable lighting, efficient use of daylight and the Helvar uSee Interface generate energy savings of 50%.

**7** Uppsala Teacher University, Sweden

Comfort and concentration, with a dynamic lighting system in tune with learners' needs.



*“The energy savings will help us achieve our efficiency targets as well as saving tens of thousands of pounds over the life of the installation.”*

RICHARD HUGHES  
Bath University

**8** Vuores School, Finland

Helvar controls are fully integrated with classroom audio-visual systems and with the building management system.

**9** University of Bath, England

One central control platform has been implemented across a network of independent buildings.



**10** Deltares, Delft, Netherlands

Comfortable and energy efficient, thanks to presence detection and intelligent daylight control.



“The Helvar system copes easily with the vast number of different light loads and partition walls.”

CHAMPALIMAUD CENTRE, LISBON



© José Campos, ARQF - Consultores de Fotografia

## HEALTHCARE

Light helps to heal body and soul. By putting people first, we lead the world in dynamic lighting. Based on people's natural circadian rhythms, Helvar lighting controls respond to the seasons and local environment. For surroundings that simply feel better.

### WHY HELVAR?

- Simple control for patient comfort
- Task lighting for medical personnel
- Automated control of public spaces
- Power on to last level used
- Presence/absence detection
- Fully scalable, from a bed to a building
- Integration with building management system
- Energy monitoring and control



© FAB AV



**1** Champalimaud Centre for the Unknown, Lisbon, Portugal

A Helvar router system is used for lighting control throughout the centre.

**2** Keech Hospice, Luton, England

Pre-set scenes can be recalled easily from just four buttons.

**3** Seinäjoki Hospital, Finland

Dynamic lighting helps recovery. Colour and brightness shift automatically, night and day.

**4** Tipotie, Tampere, Finland

A smoothly rotating control switch allows for stepless dimming.

© Lauri Dammerit



HEALTHCARE

When lighting control feels this natural, you'll forget that it's there. Saving energy for your patients and people. And meaning everyone can focus on being well.

HELVAR FOR YOUR:

- Administration area
- Corridor
- Operating theatre
- Private patient room
- Reception
- Restaurant
- Stairs
- Treatment room
- Waiting room
- Ward



**5** Alto Vicentino, Thiene, Italy  
Improving comfort and saving energy — across more than 8,000 dimmable sources.



**6** Tipotie, Tampere, Finland  
Each luminaire has its own address and can be individually controlled.



**7** Tipotie, Tampere, Finland  
Our DALI router system controls lighting in the spacious multi-floor lobby.



**8** Champalimaud Centre for the Unknown, Lisbon, Portugal  
The Helvar router also controls all the blinds inside the buildings.



**9** Champalimaud Centre for the Unknown, Lisbon, Portugal  
Lighting levels are automatically scheduled based on dates and geographical coordinates.



**10** Seinäjoki Hospital, Finland  
Lighting's controlled bed by bed — and is shadowless in operating theatres.



**11** Linköpings University Hospital  
Over 500 Helvar routers control lighting in rooms, intensive care units and operating theatres across four buildings.

“The Helvar router opens up endless possibilities that are only limited by our imagination.”

**TUOMAS KAITA**  
Manager for the Tipotie Health Centre installation, Tampere, Finland



# HOTELS & HOSPITALITY

Sleek spas. Relaxing restaurants. Rooms built to help you recharge. And all with an emphasis on award-winning style and energy-saving capabilities. We'll make sure you're being well served.

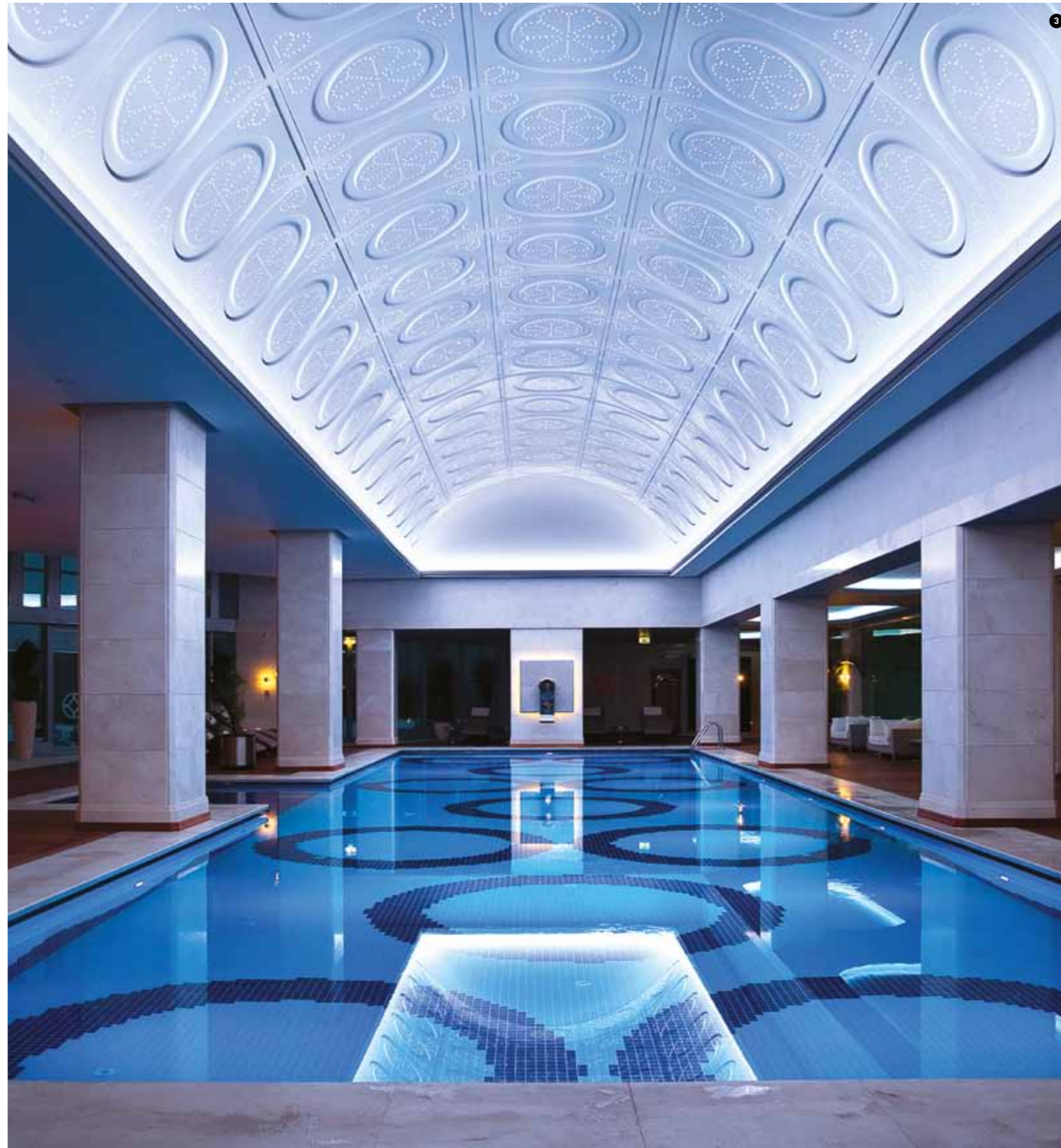
### WHY HELVAR?

- Scene section to create the right ambience
- Fully scalable, from a single hotel room to an integrated lighting solution for the whole building
- Integration with room management system
- Integration with audio visual system
- Control of multiple load types
- Energy monitoring and maintenance
- Power on to last level used
- Automated control of public spaces



**1** Hotell Naas Fabriker, Gothenburg, Sweden  
Helvar provided lighting control throughout this former cotton mill.

**2** Generator Hostel, Paris  
We combined vintage luminaires with the latest lighting control technology to create a contemporary and stylish atmosphere.



**3**



© Mardan Palace

**3** JW Marriott, Ankara, Turkey  
Sophisticated lighting adds to the ambience of the jazz bar, nightclub, terrace and pool.

**4** Mardan Palace, Antalya, Turkey  
The built-in astronomic time clock makes allowance for seasonal changes.



**5**

**5** Marina Bay Sands, Singapore  
A Helvar 920 router system allows fast, fine control of long fades in large spaces.

“*Helvar lighting controls added the finishing touches to help create character and atmosphere.*”

**NADINE RAVARINI**  
Generator Hostels' lighting consultant



HOTELS & HOSPITALITY

The world's best hotels need to get the light right. For breathtaking scale or groundbreaking ambition, you're in good hands with Helvar. Day and night.

HELVAR FOR YOUR:

- Ballroom or conference centre
- Boutique or shop
- Business centre
- Façade and landscaping
- Hotel room
- Fitness centre & spa
- Lift lobby
- Reception or atrium
- Restaurant



**7** JW Marriott, Ankara, Turkey  
All interior public spaces are lit using Helvar.



**8** The Langham, London  
Lighting sophistication thanks to DIGIDIM 454. From simple LED dimming to multiple scenes conjured up at a touch.



**6** Hotel Café Royal, London  
Hotel staff have control of the lighting with our uSee iPad app.



**9** Sushi B Restaurant, Milan  
A Helvar TouchPanel helps create just the right atmosphere.

“Sushi B wanted a DALI lighting control system, so Helvar were a natural choice.”

**SERGIO RIGATO**  
Lighting designer



# RETAIL

“Both the installation and programming stages ran incredibly smoothly.”

STUART GAUNT  
Reggiani Lighting



**1 The White Company, Norwich, England**  
A calm and inviting environment, fitted with tunable white.

**2 Markthal Hall, Rotterdam, Netherlands**  
Spotlights respond automatically to natural daylight levels.

**3 Banana Republic, London**  
Helvar's IMAGINE system combines reliability with ease-of-use.

**4 intu Lakeside, Essex, England**  
Fully programmable digital controls made this a Lux Awards winner.



Breathe light into your brand. Create calm, welcoming spaces. Showcase hot products in the coolest of settings. Invent shopping destinations people want to seek out — and stay in. With Helvar controls, everything's possible.

**WHY HELVAR?**

- Automated control for energy saving
- Daylight harvesting and presence detection for energy saving
- Scene section to create the right ambience
- Control of multiple load types
- Integration with building management and audio-visual systems
- Energy monitoring and maintenance
- Power on to the last level used





**RETAIL**

People say retail is detail. Send the right message to your customers with plug-and-play systems you can program ahead of the install.

**HELVAR FOR YOUR:**

- Boutique or shop
- Bank
- Cinema
- Control room
- Façade and landscaping
- Food court
- Public space
- Parking
- Restaurant
- Supermarket



**7 Zorlu Centre, Istanbul**  
Helvar 920 routers provide control of each individual luminaire.

**8 Niketown, London**  
Our DALI kit allowed installers to work with existing cabling.

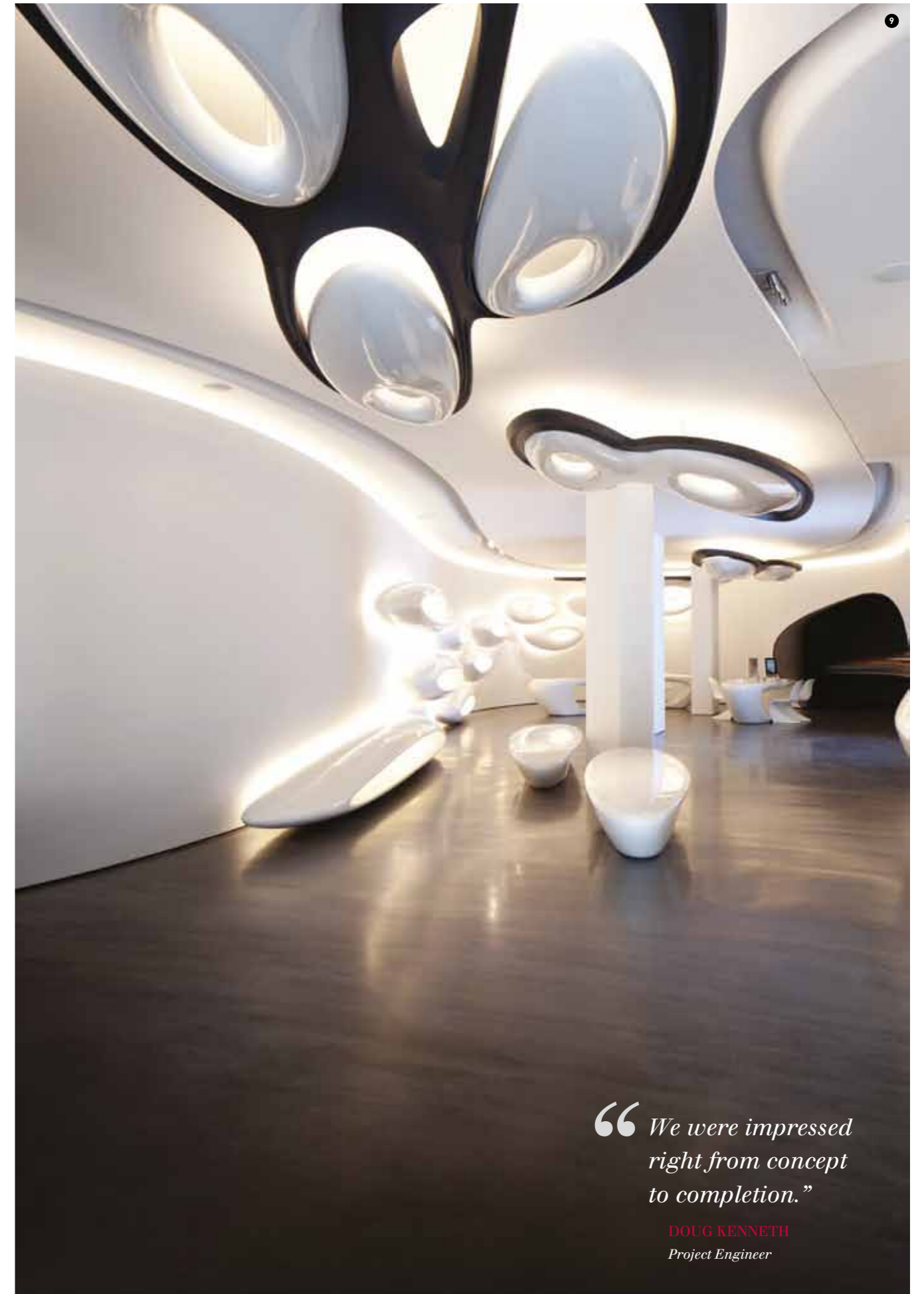
**9 Roca, London**  
Bespoke settings are managed through custom-finish keypads.



**5 Dubai Shopping Mall, United Arab Emirates**  
The world's biggest shopping mall is entirely lit by Helvar.



**6 into Eldon Square, Newcastle**  
With customised colour control and predefined scenes for security and cleaning.



*“We were impressed right from concept to completion.”*

**DOUG KENNETH**  
Project Engineer



# INDUSTRIAL

Happy people work smarter and harder. With dynamic lighting that's based around natural rhythms, you and your team will make better decisions. Keep each other safe. And deliver the best results for customers, shareholders and our planet.

### WHY HELVAR?

- Scene selection for specific tasks or requirements
- Fully scalable, from one room to an integrated solution across a multi-site complex
- Integration with building management systems including ventilation and heating
- Control of multiple load types
- Energy monitoring and maintenance
- Power-on to last level used
- Automated control for scheduled activities

### HELVAR FOR YOUR:

- Breakout area
- Data centre
- Factory
- Canteen
- Plant room
- Office
- Restroom
- Server room
- Stockroom
- Warehouse



2



4

### 4 Helvar Warehouse, Karkkila, Finland

With presence detectors in 14 zones, lighting drops to 20% when nobody's there.

### 5 NTK Europe, Brescia, Italy

Thanks to constant light and presence detection sensors, NTK became a company without light switches.



1

### 1 NTK Europe, Brescia, Italy

Helvar lighting means a win-win. It's more comfortable for employees, and reduces CO<sub>2</sub> and operating costs.

### 2 Hartmann International, Germany

Thanks to flexible lighting control, Hartmann are consuming 45,000 kWh less energy each year.



3

### 3 Hartmann International, Germany

Highbay PIR motion sensors mean rack storage aisles are illuminated only when needed.



5

“Optimum illumination and energy savings of up to 75% have exceeded our expectations.”

ANDREAS HARTMANN  
Hartmann International GmbH



# RESIDENTIAL

Home. It's where we go to relax, entertain and unwind. From an oasis of calm to unforgettable parties, we partner with natural daylight to make sure you and your guests always feel welcome.

### WHY HELVAR?

- Scene selection to create the perfect ambience
- Fully scalable, from one room to a whole house or block of apartments
- Integration with audio-visual systems, blinds and heating
- Control of multiple load types
- Energy monitoring and maintenance
- Power-on to last level used
- Automated control for scheduled activities

### HELVAR FOR YOUR:

- Bathroom
- Bedroom
- Home office
- Kitchen
- Living room
- Media zone
- Private cinema
- Roof terrace
- Swimming pool
- Underground parking



**1** 375 Kensington High Street, London  
Flicker-free dimming is a hallmark of these luxury penthouses and apartments.



**2** Zero 4, Harrogate, England  
The system communicates between sensors, blinds and an astronomical clock in an effort to create a carbon-neutral home.

**3** Zero 4, Harrogate, England  
This whole-home lighting control system hints at the future for all homes.

**4** Zero 4, Harrogate, England  
By responding to real-time lumen levels, the system automatically minimises energy draw.

# TRANSPORT

Keep moving in the right direction. Discover lighting control built for function and safety that's sky-high aesthetically too.

### WHY HELVAR?

- Energy monitoring and maintenance reporting
- Presence/absence detection
- Power on to the last level used
- Control of multiple load types
- Activity based light levels
- Daylight harvesting and automated control for energy saving
- Fully scalable, from a single office to the entire building

### HELVAR FOR YOUR:

- Corridor
- Entrance hall
- Loading bay
- Public space
- Reception
- Restaurant
- Food court
- Single office
- Stairs
- Store room
- Terminal
- Warehouse



**1** Q-Park, Sheffield, England  
Lighting was designed to be both practical and aesthetically pleasing.

**2** Q-Park, Sheffield, England  
Local presence sensors installed on each floor maintain a safe level of lighting.



**3** Q-Park, Sheffield, England  
Energy savings are instant, with luminaires being active only when needed.

**4** Q-Park, Sheffield, England  
LED luminaires can be programmed to dim after a period of inactivity.



“There are competitors, of course.  
But Helvar offers the best service,  
the most efficient support,  
and the best equipment.”

JARMO RANTALA  
Sähköpeko Oy  
*Engineer for Vuores School*

We're based in Finland, Sweden and the UK. And work with partners all over the world.

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