



MY DATA ANALYSIS
Product catalogue
Hardware & Software

PEOPLE LIGHT OUR WAY

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My data Analysis

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Hardware

Extension modules for freestanding luminaires



Locations:
Workstations
and desk sharing areas

Regent's extension modules turn freestanding luminaires into intelligent components of modern working environments. The integration of sensor technology, communication technology and digital functions transforms a classic freestanding luminaire into an active data source. These data sources play a crucial role in optimising space utilisation, comfort and operational processes. The extension modules enable simple and scalable digitalisation without the need to install additional infrastructure in the room.

The Regent extension modules are designed as a true plug-and-play solution. The smart modules are simply plugged into the designated installation area above the lighting head and are then immediately ready for use without any complex assembly. They are then connected to the regent.cloud. This user-friendly principle allows existing freestanding luminaires to be quickly and safely upgraded to intelligent smart building components.

MYTECHNOLOGY MODULE WLAN (MTMW)

ITEM NO. 2013.4307

External module for freestanding luminaires with climate sensors
WLAN compatible

- Makes lighting smart building ready
2.4 GHz WLAN communication

• Sensors

Presence
Brightness
CO₂¹
VOC index
Temperature
Humidity

• Supported software features

Analytics
Find My Place
Find My Asset
Smart Cleaning
My Climate

• Compatible freestanding luminaires:

Lightpad, Neo, Tweak, Level*

WLAN



Technical
data sheet

*Different item number possible depending on compatibility
¹photoacoustic principle



MYTECHNOLOGY MODULE SENS (MTMS)

ITEM NO. 2004.0205

External module for freestanding luminaires with climate sensors
Bluetooth compatible

- Makes lighting smart building ready
- Bluetooth mesh communication
- Integrated: ALONEatWORK swarm function
for adaptive light clouds

• Sensors

Presence
Brightness
CO₂¹
VOC index
Temperature
Humidity

• Supported software features

Analytics
Find My Place
Find My Asset
Smart Cleaning
My Climate

• Compatible freestanding luminaires:

Lightpad, Neo, Tweak, Level*

BLE



Technical
data sheet

*Different item numbers possible depending on compatibility
¹photoacoustic principle



MYTECHNOLOGY MODULE (MTM)

ITEM NO. 2004.0204

External module for freestanding luminaires
Bluetooth compatible

- Makes lighting smart building ready
- Bluetooth mesh communication
- Integrated ALONEatWork swarm function for
adaptive light clouds

• Sensors

Presence
Brightness

• Supported software features

Analytics
Find My Place
Find My Asset
Smart Cleaning

• Compatible freestanding luminaires:

Lightpad, Neo, Tweak, Level*

BLE



Technical
data sheet

*Different item numbers possible depending on compatibility



MDA GATEWAY

ITEM NO. 2006.9706



Technical
data sheet

Central gateway for MDA installations – connects all Bluetooth modules to the regent.cloud.

- Connects up to 100 MDA extension modules via Bluetooth Low Energy Mesh
- Ethernet or Wi-Fi connection to regent.cloud
- Stable, secure communication interface
- Passive cooling, compact, suitable for industrial use

• Interfaces:

Bluetooth 5.0 [USB dongle]
WLAN 2.4 / 5 GHz
LAN Ethernet RJ45/ PoE

• Compatible extension modules:

MTM, MTMS, SO, CSO, TO, TX



Technical
data sheet

ALONEatWORK Module (AAW)

ITEM NO. 2004.1297

Intelligent light clouds – without any software

- Optoelectronic communication between freestanding luminaires
- Automatically generates soft clouds of light around occupied workstations
- Technology that is harmless to health

• Compatible freestanding luminaires:

Lightpad, Neo, Tweak, Level*

*Different item numbers possible depending on compatibility

REMOTE CLEANING BEACON

ITEM NO. 4000.5394

Demand-based cleaning-automatically controlled



Technical
data sheet

- Wireless activation of cleaning processes via Bluetooth
- Enables demand-based and efficient cleaning processes
- Seamless integration into the My Data Analysis [MDA] system
- Robust design – water- and dust-protected [IP67]
- Operation: The Remote Cleaning Beacon, carried by cleaning staff, activates a pulsating lighting scene on lights with detected usage [e.g. > 30 min]

• Compatible freestanding luminaires:

Lightpad*

*Different item numbers possible depending on compatibility

Comparison of Extension modules for freestanding luminaires

The expansion modules differ in terms of communication and integrated sensor technology.

The following comparison provides an overview of the most important main functions of the IoT modules and makes it easier to select the right solution for different smart building applications.

COMPARISON OF MAIN FUNCTIONS	MTMW	MTMS	MTM
WLAN compatible	✓		
Works without additional gateway	✓		
Bluetooth support		✓	✓
ALONEatWORK function		✓	✓
Presence data	✓	✓	✓
Brightness data	✓	✓	✓
Asset tracking support	✓	✓	✓
Temperature sensor	✓	✓	
CO ₂ sensor	✓	✓	
VOC Sensor	✓	✓	

MTMW: Mytechnology Module WLAN
MTMS: Mytechnology Module Sens
MTM: Mytechnology Module



Hardware External Ceiling modules

Suitable for:
meeting rooms, corridors,
laboratories,
and service areas

Regent's standalone smart modules allow rooms such as meeting rooms, project rooms or retreat areas to be equipped with intelligent smart building technology independently of lighting fixtures. The modules reliably record movement, brightness and climate data, providing valuable information on usage, comfort and optimisation of the room environment. The standalone solution seamlessly complements existing smart building installations and enables scalable digitalization without additional infrastructure in the room.

The standalone modules enable significant optimisation of room comfort through automatic recording of climate and occupancy data. Meeting rooms remain pleasant and provide usage data that supports efficient room planning without any manual intervention. At the same time, a reliable database is created to optimise room utilisation and capacity in the long term. The integration of the smart modules into existing building automation systems is ensured via DALI-compatible interfaces.

SMART MODULE WLAN SOW

ITEM NO. 2008.9452

External standalone module – WLAN compatible



WLAN



Technical
data sheet

- Multifunctional sensor module for My Data Analysis
- Supports WiFi 2.4 GHz
- Use in areas without freestanding luminaires
- Integration into existing building automation via DALI compatible interface
- Connection: 230VAC power supply
- Operating height: 2.2m to max. 3.2m

• Sensors

Presence
Brightness
CO2 [photoacoustic principle]
VOC index
Temperature
Humidity

• Supported software features:

Analytics
Find My Place
Find My Asset
Smart Cleaning
My Climate

SMART MODULE SO

ITEM NO. 2008.9451

External standalone module – supports Bluetooth



BLE



Technical
data sheet

- Multifunctional sensor module for My Data Analysis
- Bluetooth Mesh communication
- Use in areas without freestanding luminaires
- Integration into existing building automation via DALI compatible interface
- Connection: 230VAC power supply
- Operating height: 2.2m to max. 3.2m

• Sensors

Presence
Brightness
CO2 [photoacoustic principle]
VOC index
Temperature
Humidity

• Supported software features:

Analytics
Find My Place
Find My Asset
Smart Cleaning
My Climate



Hardware

Lights with integrated sensors

Suitable for: work surfaces, production and manufacturing areas, sterile rooms and laboratories, corridors and stairwells

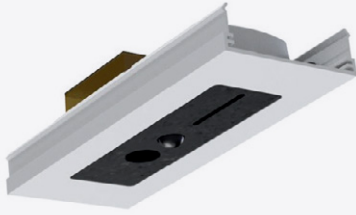
Regent's integrated smart modules transform channel/row lighting systems into fully-fledged smart building components. This allows usable space to be digitally recorded seamlessly and without additional hardware. The integrated sensor technology reliably measures movement, brightness and climate data and provides valuable information for efficient space utilisation. The smart technology is fully integrated and enables scalable digitalisation without the need for structural alterations or additional installations in the room.

By continuously recording presence and climate data, the integrated smart modules make a decisive contribution to a pleasant and energy-efficient working environment. Workplaces are intelligently designed, space utilisation is sustainably optimised and usage data supports long-term strategic planning of room capacities. At the same time, a consistent, reliable database is created that can be integrated into existing building automation systems via DALI-compatible interfaces. This means that both individual workstations and entire room zones are fully digitally integrated.

SMARTMODULE CSO

ITEM NO. TB228722X.CSO

Module for integration into lights – supports Bluetooth



BLE



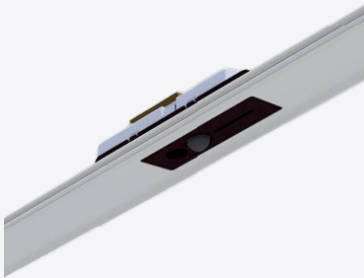
Technical
data sheet

- Multifunctional sensor module for My Data Analysis
 - Bluetooth Mesh communication
 - Power supply via light channel system [220VAC]
 - Operating height: up to max. 3.5m
- **Sensors**
 - Presence
 - Brightness
 - CO2 [(equivalent)]
 - eTVOC
 - Temperature
 - Humidity
 - **Supported software features:**
 - Analytics
 - Find My Place
 - Find My Asset
 - Smart Cleaning
 - My Climate
 - **Compatible light channel/light strip systems:**
 - Channel-S

SMARTMODULE TO

ITEM NO. 2011.2081

Module for integration into lights – supports Bluetooth



BLE



Technical
data sheet

- Multifunctional sensor module for My Data Analysis
 - Bluetooth Mesh communication
 - Integration into existing building automation via DALI compatible interface
 - Power supply via light channel system [220VAC]
 - Operating height: 2.2m to max. 3.2m
- **Sensors**
 - Presence
 - Brightness
 - CO2 [equivalent]
 - TVOC
 - Temperature
 - Humidity
 - **Supported software features:**
 - Analytics
 - Find My Place
 - Find My Asset
 - Smart Cleaning
 - My Climate
 - **Compatible light channel/light strip systems:**
 - TRAQ

SMARTMODULE TX

ITEM NO. 2011.2080

With integrated optical sensor technology for even more accurate detection – supports Bluetooth

- Multifunctional sensor module for My Data Analysis
- Bluetooth Mesh communication
- Integration into existing building automation via DALI compatible interface
- Power supply via light channel system [220VAC]
- Operating height: 2.2m to max. 3.2m



BLE



Technical
data sheet

• Sensors

Presence
Brightness
CO2 [photoacoustic principle]
TVOC
Temperature
Humidity
Optical sensor: Counting people,
counting lines

• Supported software features:

Analytics
Find My Place
Find My Asset
Smart Cleaning
My Climate
People Counting
Line Counting

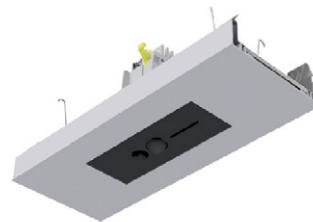
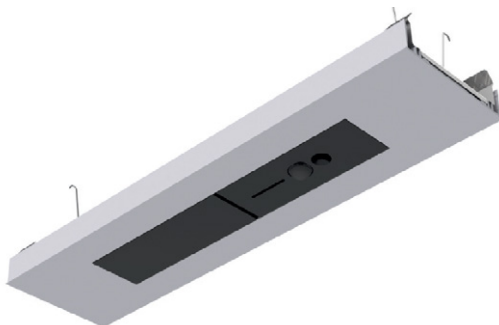
• Compatible light channel/ light strip systems:

TRAQ

CUSTOMISED SMARTMODULES FOR YOUR PROJECT

Tailor-made solutions for your specific requirements

We develop customised smart modules that can be seamlessly combined with Regent luminaires. Thanks to many years of expertise in implementing individual solutions, our bespoke team realises projects according to your requirements. Whether you need special sensors, custom interfaces or tailor-made functionalities, we design your smart module exactly as you need it.



My Data Analysis regent.cloud



The regent.cloud is the digital heart of the My Data Analysis (MDA) smart building solution. Developed and programmed by Regent Lighting in Switzerland, this central portal transforms the data from your lighting infrastructure into sound, usable knowledge. Instead of setting up a complex, parallel IT landscape, you can draw on a resource that is already widely available: your lights. Equipped with intelligent sensor technology, they become a dense, powerful data network without any structural intervention.

In today's world of flexible offices, desk sharing and new ways of working, regent.cloud provides the technological foundation for agile, future-proof space concepts. At the same time, it provides a reliable, data-based foundation for sustainability certifications such as LEED, BREEAM or DGNB by mapping energy consumption, space utilisation and indoor climate in a transparent and comprehensible manner. This makes sustainability not only measurable, but also actively controllable – as a sound basis for decision-making in the planning, operation and continuous optimisation of your buildings.



Module 1

Analytics & Reporting – Building transparency at a glance

My Data Analysis Analytics precisely evaluates and clearly displays all collected occupancy and presence data. regent.cloud shows in detail how buildings, floors, rooms and individual zones are actually used. This creates a reliable basis for space planning, comfort optimisation and economical operational management.

Features and application

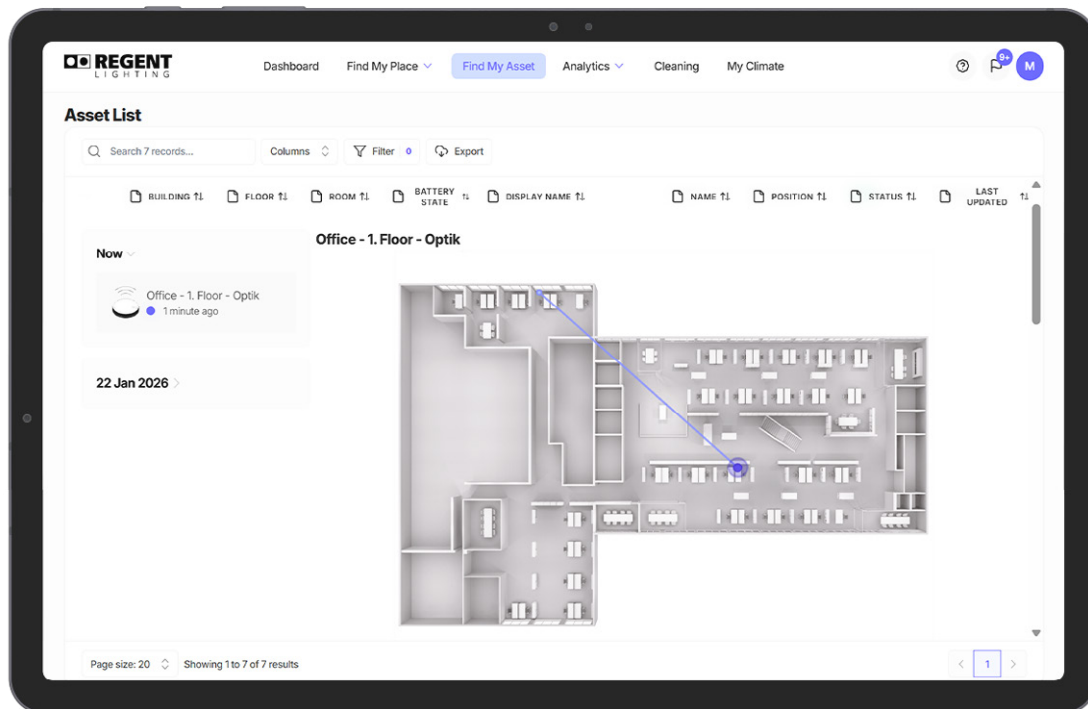
- Occupancy data per building, floor and meeting room
- Meaningful utilisation analyses
- Identification of usage profiles and utilisation trends
- Determination of desk sharing ratio
- Analysis of historical values to derive developments

Savings potential

- Space savings through optimised room and workplace utilisation
- Investment avoidance thanks to improved utilisation
- Basis for agile workplace models such as desk sharing and new work

Further advantages

- Supports the certification of sustainable buildings, e.g. according to SNBS, Minergie, LEED or DGNB



Module 2

Find My Asset – Know where your assets are

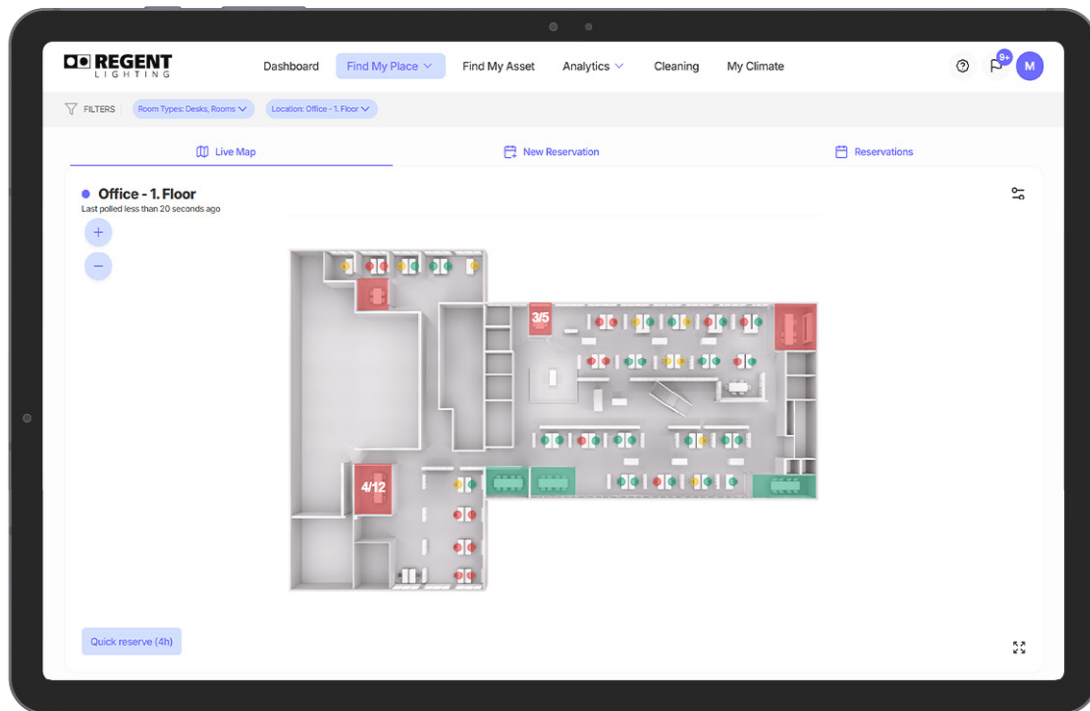
My Data Analysis Asset Tracking allows you to locate important items within the building in real time. The regent.cloud clearly displays the current location of devices, materials or mobile assets and enables fast and reliable tracking in everyday use. The compact asset trackers, measuring just 2 cm, are attached directly to the object and ensure precise and permanent location tracking. This allows you to keep track of all relevant objects in your building at all times.

Features and application

- Overview of all registered assets in regent.cloud
- Location accuracy to within 2 metres, real-time data every 5 seconds
- High location stability even in complex building structures
- Automatic detection and allocation of moving assets
- Ideal for material management, device inventory, IT equipment or mobile work equipment

Potential savings

- Time savings when searching for equipment and materials
- Cost savings through reduction of losses and theft
- Process optimisation in logistics and facility services



Module 3

Find My Place – Find instead of search

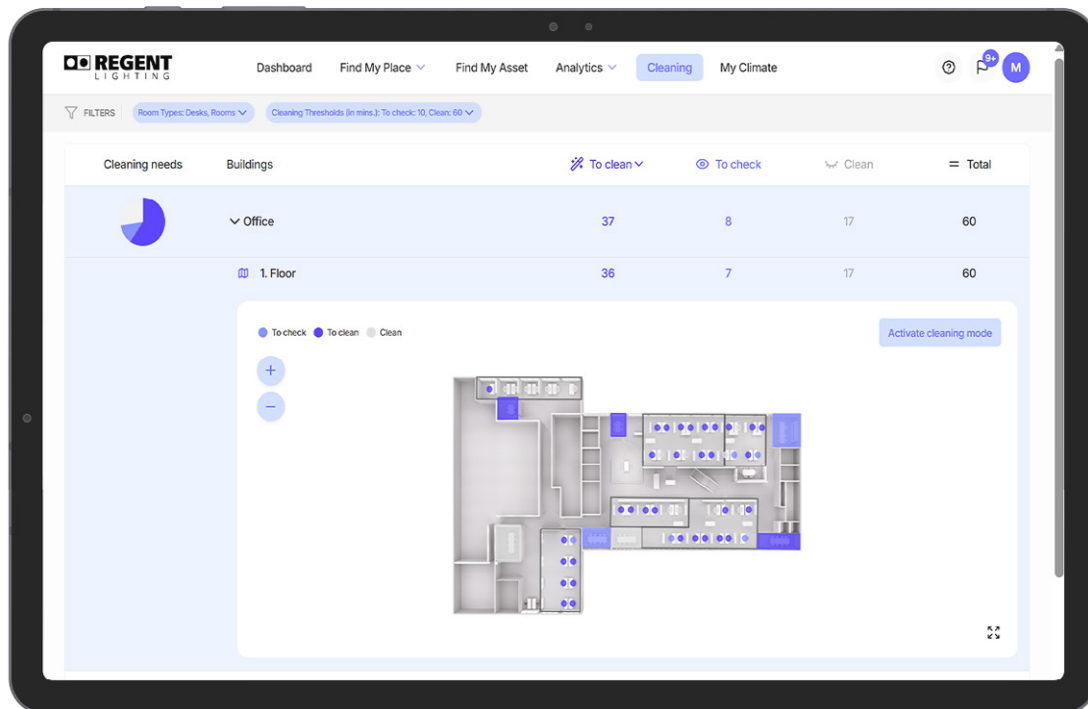
My Data Analysis Find My Place provides employees with a live overview of occupied, free and reserved workspaces. regent.cloud displays the current workspace situation per building and floor, making it easier to find your way around dynamic office environments. Employees can quickly find an available space, which increases acceptance of modern working models and significantly simplifies everyday work.

Features and application

- Room and workspace reservation
- Real-time occupancy data updated every 5 seconds
- Filter options by room type, area or building
- Quick reservation at the touch of a button
- Display of free, occupied and reserved workspaces

Potential savings

- Time savings when searching for a workspace
- Space savings through better utilisation of existing workspaces
- Reduction in search traffic and unnecessary movement around the space
- More comfortable user experience thanks to clear orientation and transparency



Module 4

Smart Cleaning – Cleaning as needed

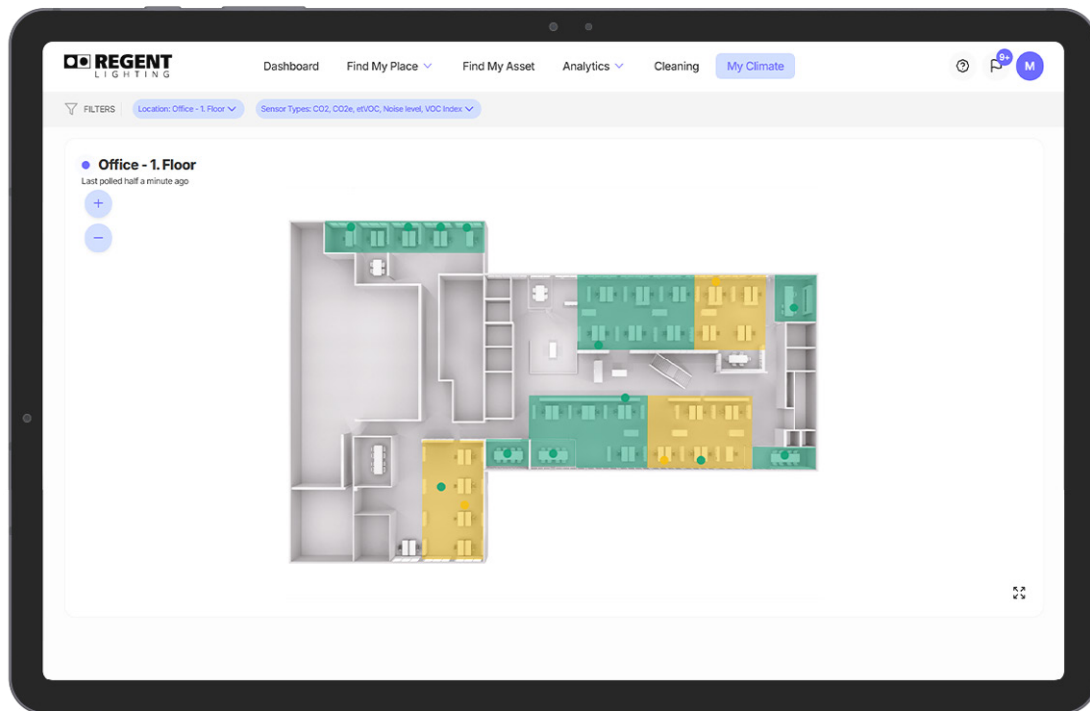
My Data Analysis Smart Cleaning analyses in real time which workstations need to be cleaned and displays them clearly by building and floor. The regent.cloud automatically recognises which workstations have been used based on the attendance data recorded and triggers a corresponding cleaning notification. This results in an efficient, transparent and needs-based cleaning process. Ideal for open-plan offices, desk sharing and dynamic workplace models.

Features and application

- Automatic detection of occupied workstations via integrated sensor technology
- User-defined cleaning parameters depending on room and workstation
- Activation of cleaning scenes for freestanding luminaires: only workstations that need cleaning light up visibly
- Usage-specific setting options for cleaning parameters
- Analysis and evaluation of the areas actually cleaned thanks to smart sensor technology
- Supports Remote Cleaning Beacon – automatic activation of cleaning scenes when the beacon is close to the light
- Supports Remote Cleaning Beacon – automatic activation of cleaning scenes when the beacon is close to the light

Potential savings

- Cost savings through needs-based cleaning instead of fixed schedules
- Less monitoring effort and greater process reliability
- Improved quality and transparency in facility management



Module 5

Climate – Understanding and improving indoor climate

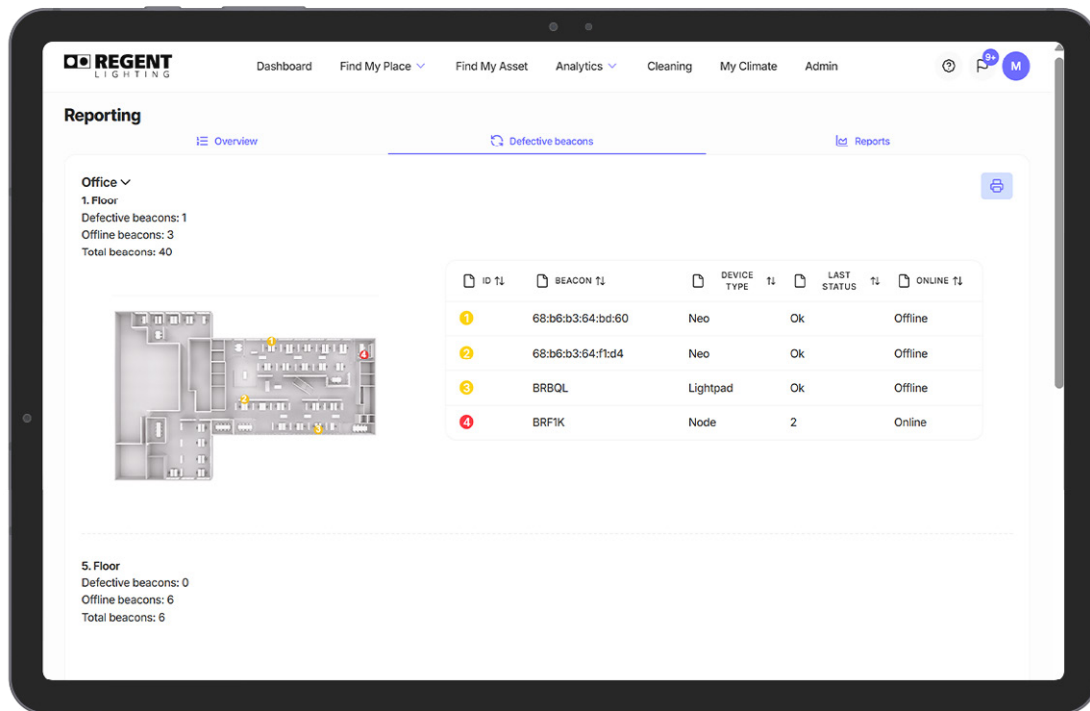
My Data Analysis Climate evaluates all continuously recorded climate data and provides a clear overview of the most important room parameters. The regent.cloud analyses CO₂, TVOC, temperature and humidity, thereby supporting a healthy indoor climate, higher productivity and an overall more pleasant working environment.

Features and application

- Climate parameters are displayed and analysed in real time at zone level
- Use of data for building automation in sensor modules with DALI interface
- Improvement of employee well-being through optimised air quality
- Support for key ESG goals such as energy efficiency, sustainability and health

Potential savings

- Energy savings through data-based heating and air conditioning control
- Cost reduction through early detection of inefficient rooms
- Increased productivity through a healthier and more pleasant working environment



Module 6

Predictive maintenance – Proactive maintenance

My Data Analysis Predictive Maintenance enables proactive maintenance, whereby maintenance requirements are identified at an early stage and breakdowns are avoided. The combination of sensor technology and intelligent data analysis results in more efficient, safer and more predictable building operation. Systems and components are not repaired only when a fault occurs, but are maintained precisely when necessary.

Potential savings

- Preventive action avoids costly downtime
- Early intervention prevents process downtime
- Extended service life of technical equipment

Features and application

- Real-time condition monitoring of technology and building components
- Data-supported planning of service intervals
- Real-time detection of irregularities and critical conditions
- Basis for reliable and continuous operational management

MY DATA ANALYSIS SERVICES

Licensing model

With the My Data Analysis licence model, you receive a fully managed smart building solution in a software-as-a-service model. The licence is based on the number of modules used and enables clearly calculable, secure and continuously updated operation.

Our services at a glance



All-in-one service: MDA includes software operation, data processing, monitoring and full support.



Server maintenance by Regent: Regent is responsible for the operation, maintenance and monitoring of the entire cloud infrastructure.



Regular updates and security updates: New features, improvements and security patches are automatically installed.



On-premises operation on request: For special requirements, the system can be operated locally in the building on request.

Data protection and security



End-to-end encryption: All data is transmitted in fully encrypted form and protected against unauthorised access.



No personal data: Data collection is anonymous; no personally identifiable data is stored or processed. In sensitive areas, customers must ensure that anonymisation complies with data protection regulations.



Local data storage: regent.cloud is operated in the Microsoft Azure Cloud Switzerland. Your data remains exclusively in Switzerland. <https://www.microsoft.com/de-ch/trust-center/privacy>



Strict access rights: Access to systems and data is strictly regulated and restricted on a role basis.

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