

WEOZ

The intelligent building manager



Optimise
energy efficiency

YOUR SOLUTION
FOR EFFICIENT SPACES

Comply
with new
environmental
regulations

Reduce
operational costs

Reduce
CO₂ footprint

Improve
occupant
well-being

#LegrandImprovingLives

 **legrand**[®]

1

EMBRACE A COMPREHENSIVE SOLUTION FOR EFFICIENCY

2

MAKE INTELLIGENCE FLOW THROUGH A NETWORK OF IOT AREA MANAGERS



3

KEEP EVERYTHING UNDER CONTROL WITH THE APP AND THE DASHBOARD MANAGER



4

COLLECT RELEVANT, ACTIONABLE DATA FROM EVERY ROOM



5

OPTIMIZE HVAC, LIGHTING AND AIR QUALITY



ARE YOU A BUILDING OR FACILITY MANAGER?

Get ready for:

- **Easy, independent management** thanks to automated processes and alerts embedded into a user-friendly dashboard.
- **Remote access on desktop and app** for freedom of movement, peace of mind, and real-time control and monitoring.



ARE YOU AN ELECTRICAL CONTRACTOR?

Enjoy:

- **Quick, simple and non-intrusive installation** compatible with existing, renovated and new buildings.
- **Fully scalable installation according to needs**, and easily managed from a single dashboard.



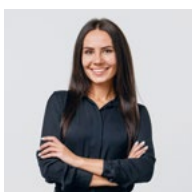
Find your own space for improvement

The intelligent building manager designed with sustainability, user autonomy and operational efficiency in mind.

While every business is well aware of pressing environmental challenges, and facing the requirements of regulations, some cannot afford the investment and complexity of traditional BMS solutions.

With the WEOZ system, Legrand offers an affordable and empowering solution to meet the needs of small and medium spaces, as well as multi-site building management.

WEOZ is a game changer for operational efficiency and the occupant well-being.



ARE YOU A REAL ESTATE DEVELOPMENT INVESTOR?

Make the smart move:

- **An affordable, energy efficient solution**, up to five times less expensive than a traditional BMS.
- **Compliance with new EU environmental legislation**, helping you reach new greenhouse gas emission standards.



WEOZ is suitable for workspaces such as multi-site retail stores, offices, schools and restaurants.

Enjoy multi-site remote access and compare energy efficiency across sites.

Embrace a comprehensive solution for efficiency

**Introducing WEOZ, a groundbreaking
solution for energy efficient spaces.**

Discover a powerful, yet easily managed IoT ecosystem centred around a network of area managers. Bring your building management to the next level with an affordable and reliable solution, suitable for small installations.

Designed with security in mind

In accordance with Legrand's cyber security policy, WEOZ has successfully undergone information system security audits by accredited service providers.

**1
COMBINE ALL FUNCTIONS
NEEDED TO ACHIEVE
ENERGY EFFICIENCY.**

LIGHT UP
LIGHTING CONTROL



EMDX³/EMS CX³
METERING



AIRZONE
HVAC CONTROL



2
SET UP A NETWORK
OF CONNECTED
MULTI-PROTOCOL AREA
MANAGERS THANKS TO
EDGE DATA AND RULES
MANAGEMENT.



AREA
MANAGER



MQTT



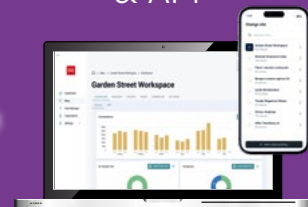
3
SCALE UP ACCORDING
TO NEEDS OVER WIRED
IP OR WI-FI.



4
ENJOY MULTI-SITE AND
MULTI-PROFILE REMOTE
ACCESS.



DASHBOARD
& APP



5
SET RULES AND
SCHEDULES FROM
MONITORED
OCCUPANCY AND
ENVIRONMENTAL DATA
TO SAVE ENERGY AND
IMPROVE COMFORT.



Make intelligence flow through a network of IoT area managers

A smart, scalable ecosystem to store, process and share data.



Area manager

- Multi-protocol: Z-wave, Zigbee, Modbus RTU, Modbus IP, MQTT
- Wi-Fi, Ethernet
- Up to 20 wireless devices + 100 Modbus points
- Edge management of data and rules
- Local communication between area managers
- Communication with dashboard through Legrand Cloud



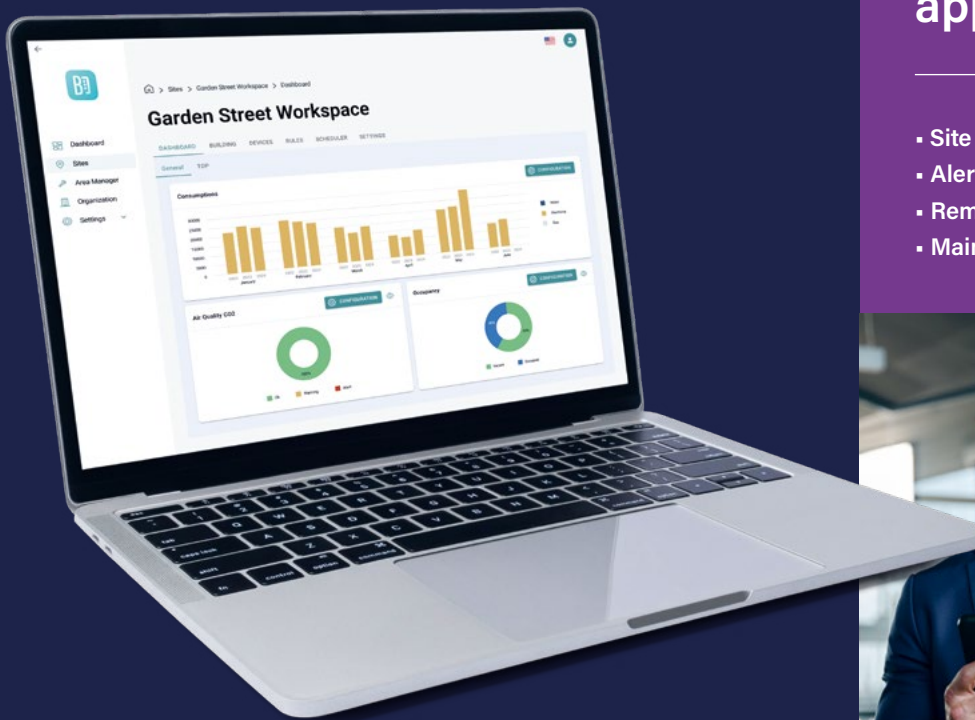
Area managers communicate through Wi-Fi or Ethernet making it suitable for both existing and new buildings.

Keep everything under control with the app and the building manager portal

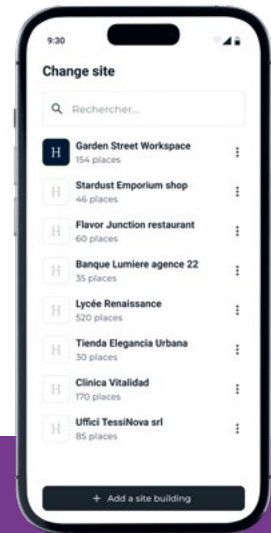
Building management made easy, always on hand.

Building manager portal*

- Multi-site management
- Multi-profile users
- Site creation
- Rule definition
- Report generation
- Site analysis
- Mainly for use on site or at the office



*Free for commissioning, annual license fee for use.



Building + Manager app



- Site commissioning (even offline)
- Alerts
- Remote control
- Mainly for remote or mobile use



Collect relevant, actionable data from every room

Light Up and metering devices precisely
inform your decision-making.

Light Up range

- **Occupancy data**
Collect data regarding space occupancy in every room and ensure precise people counting.
- **Environmental data**
Collect data about temperature, humidity and noise in every single space.



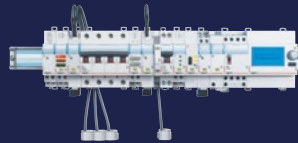
LIGHT UP
OCCUPANCY - MULTISENSOR - CORRIDOR - ADVANCED

Metering range

- **Collect data about consumption of single lines (HVAC, lighting etc) to the individual desk socket.**



EMDX³



EMS CX³



DRIVIA™
WITH NETATMO



CONNECTED
SOCKET



Optimise HVAC, lighting and air quality

Light Up and Airzone adjust for occupant comfort and energy savings in real-time.

Lighting control

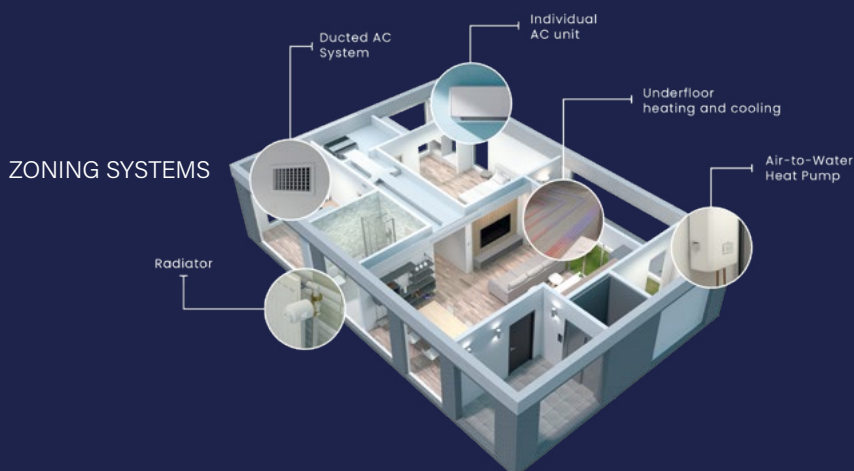
- ON-OFF - DALI-2
- Presence and absence mode
- Daylight harvesting
- Primary - secondary
- Shutter control with wireless switch



AIDOO Z-WAVE



AIDOO PRO FAN COIL



HVAC - Airzone

Airzone is a leading Spanish company providing integration and control solutions for HVAC. WEOZ is compatible with the full portfolio of Airzone solutions.

AIDOO Z-WAVE

A plug-and-play solution compatible with main HVAC brand manufacturers to control individual direct expansion indoor units.

AIDOO PRO FAN COIL

Solution for all type of FCU (2/4 pipes, ON-OFF, 0-10V).

ZONING SYSTEMS

For more sophisticated solution combining different type of HVAC.

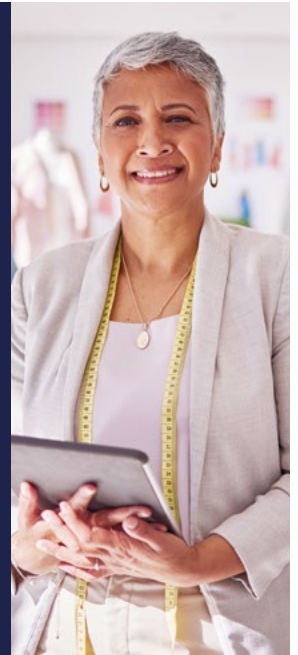


Set up a solution that suits you

Find out how WEOZ easily adapts to the most common challenges.

Multi-site retail

Optimise energy efficiency while ensuring customer well-being, and get comparative insight about conditions in similar shops.



WEOZ is a comprehensive solution for multi-site operations that helps you understand and improve your energy efficiency, while making sure your clients enjoy a comfortable shopping experience.

TECHNICAL SOLUTION

- **LIGHT UP OCCUPANCY** ON-OFF for presence detection in circulation areas (lavatories, storage rooms).
- **LIGHT UP ADVANCED** for people counting data for retail units - whole area or zones.
- **AIRZONE AIDOO Z-WAVE** in every space.
- **EMDX³** single-phase meters to monitor HVAC and lighting.
- **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.



BENEFITS



Energy savings:

- Optimise lighting and HVAC based on real occupancy.
- Optimise heating based on each retail unit's calendar and opening hours.
- Pinpoint differences and test different actions in different shops before applying the best option to all.



Better understanding of the building:

- Measure real visitor impact per area by monitoring consumption according to specific usage (HVAC, lighting etc) and counting people.



Shopper well-being:

- Adjust HVAC default settings depending on real in-shop conditions (vs. outside temperatures) and number of visitors.

Offices

Connect energy savings to occupation rates, to create a comfortable and flexible workplace.



WEOZ improves your building's energy efficiency while maintaining a productive and stimulating office environment well-suited for frequent layout changes.

TECHNICAL SOLUTION

- **LIGHT UP OCCUPANCY** for presence detection in all spaces, **DALI control** for people counting in open spaces, and **ON-OFF** in circulation areas.
- **LIGHT UP MULTISENSOR** to monitor presence, air quality and noise in meeting rooms and open spaces.
- **AIRZONE AIDOO Z-WAVE** to integrate HVAC in every space.
- **EMDX³** single-phase meters to monitor HVAC, lighting and socket consumption.
- **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.



BENEFITS



Energy savings:

- Optimise lighting and HVAC in every space based on real occupancy.
- Leverage daylight harvesting with DALI control in working spaces.



Better understanding of the building:

- Visualise the real use of your office spaces by monitoring energy consumption and occupancy, and by counting people in open spaces.



Well-being in office spaces:

- Improve employee well-being by monitoring air quality in meeting rooms, and noise in open spaces.

Schools

Adapt to a variety of uses and schedules to meet your savings targets, while providing an inspiring learning environment.



WEOZ optimises energy efficiency in different spaces, such as classrooms, staff offices or gyms, making it easy to integrate a variety of daily and yearly school schedules, adapt to different lesson types, and improve well-being and engagement.

TECHNICAL SOLUTION

- **LIGHT UP MULTISENSORS** to monitor presence, air quality and noise in classrooms; with DALI multi-cast to provide proper lighting in different areas (near windows, along corridors, at the front of classrooms); with manual control to adapt lighting to lesson requirements.
- **LIGHT UP OCCUPANCY** for presence detection in all spaces, with **DALI control** in workspaces and **ON-OFF** in circulation areas as well as lavatories.
- **AIRZONE AIDOO PRO FAN COIL** with hidden temperature sensors to integrate HVAC in every space.
- **EMDX³** single phase meters to monitor HVAC, lighting and socket consumption.
- **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.



BENEFITS



Energy savings:

- Leverage daylight harvesting by managing lighting and HVAC according to real occupancy, and using DALI control in classrooms.
- Optimise energy consumption according to school calendars, and adapt schedules to classrooms and staff spaces.



Better understanding of the building:

- Visualise the real use of each space by monitoring presence and consumption according to specific usage (HVAC, lights...).



Classroom well-being:

- Improve teacher and student well-being by monitoring air quality and noise.

Restaurants

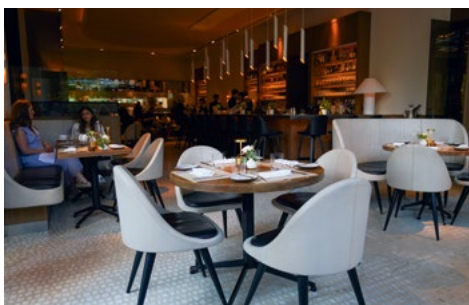
Improve your energy efficiency while promoting a welcoming atmosphere and an efficient kitchen.



WEOZ optimises every aspect of your business energy consumption, from kitchen to restaurant areas. It helps you ensure efficient and comfortable working conditions for your staff, and a pleasant experience for your guests.

TECHNICAL SOLUTION

- **LIGHT UP OCCUPANCY** for presence detection in service spaces, **DALI control** in the kitchen, and **ON-OFF** in circulation areas, lavatories and storage rooms.
- **AIRZONE AIDOO Z-WAVE** in every space.
- **EMS CX³** to monitor HVAC, lighting and appliances (refrigerators, ovens,...).
- **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.



BENEFITS



Energy savings:

- Optimise lighting and HVAC based on real occupancy.
- Optimise heating based on restaurant schedules, opening hours, and activity in kitchen and guest spaces.
- Identify anomalies in appliance consumption, and call for maintenance or replacement.



Better understanding of the building:

- Measure the real use of spaces by monitoring presence and consumption according to specific usage (HVAC, lighting...).



Customer well-being:

- Pre-heat or cool guest spaces depending on schedules.

Comply with new environmental regulations

The European Energy Performance of Buildings Directive (EPBD) is a set of regulations designed to improve the energy performance of buildings in the European Union.

Aiming to achieve a fully decarbonised building stock by 2050, the Energy Performance of Buildings Directive contributes directly to the EU's energy and climate goals.

As part of the Energy Performance of Buildings Directive (EPBD), the European Union has introduced a set of standards for calculating the energy performance of buildings. The new EN ISO 52120-1 standard, which replaces the old EN 15232-1 standard, focuses more specifically on the assessment and classification of building automation systems (class A, B, C, D).

Get eligible to Class A or B

WEOZ is designed to play an important role in helping buildings meet the requirements of the European Energy Performance of Buildings Directive (EPBD).



WITH WEOZ, GET READY FOR THE EPBD

Collect data on the energy consumption of different building systems, such as heating, cooling, lighting and ventilation. Use data to identify areas where energy efficiency can be improved.

Automatically adjust the parameters of building systems to optimise their energy efficiency. For example, reducing heating or cooling when a room is unoccupied.

Help your buildings meet EPBD requirements.

By optimising the performance of building systems and providing information to occupants, WEOZ can help reduce energy consumption, energy costs and greenhouse gas emissions, while improving occupant comfort and building value.

With WEOZ solution, your building is eligible for Class A or B in accordance with EN ISO 52120-1.

Improve your WEOZ experience

Legrand support services

WEOZ is supported by our CP Electronics experts and extensive commissioning and technical support teams.

ASK US ABOUT:

- Design
- Commissioning
- Quotation
- Maintenance
- Training
- Etc.

QUOTATIONS & TECHNICAL SUPPORT:

0333 900 0671 • info@cpelectronics.co.uk



Support at your fingertips

Our website provides you with a large choice of tools, resources and training to support you throughout your project.

- Training Academy
- Knowledge Hub
- Installation guides, how to videos and more

GO TO

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ENERGY & ENVIRONMENT MANAGEMENT FOR SMALL TO MEDIUM SIZED BUILDINGS.



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Quotations & Technical Support

0333 900 0671

Contact the CP Electronics office:

Brent Crescent

London

NW10 7XR

Email: info@cpelectronics.co.uk

