LOYTEC Focus

Visualization Solutions

Control is just a touch away

October 2019

English

LOYTEC
A Delta Group Company

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MASTHEAD

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L-STAT Room Operator Panels

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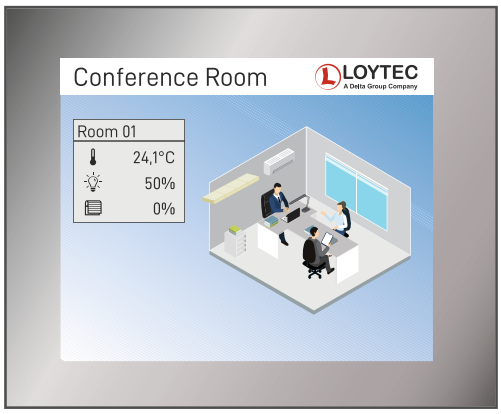
L-VIS 7″



L-VIS 12"

L-VIS 15"

High Quality Touch Panels

L-VIS Touch Panels are ideally suited for visualization and operation of various applications in building automation. L-VIS Touch Panels visualize building automation systems, can be used as room units, or provide a good choice for conference rooms and reception areas.

L-VIS impresses with its timeless design, harmonic integration into modern and historical architecture, and extremely user friendly concept. The shallow installation depth and low thermal power loss allow mounting in almost any location.

For the operation and monitoring of information simultaneously in varied protocols such as BACnet or Modbus, the following types of L-VIS Touch Panels are available:

- 7″ L-VIS Touch Panel, 800 x 480, 262 144 colors, frameless glass front and capacitive touch
- 12.1″ L-VIS Touch Panel, 800 x 600, 262 144 colors, aluminium frame with anodized finish
- 15″ L-VIS Touch Panel, 1024 x 768, 262 144 colors, aluminium frame with anodized finish or frameless glass front and capacitive touch

LOYTEC
18:24
Reception
Conference Room
Fitness Center

Touching Design

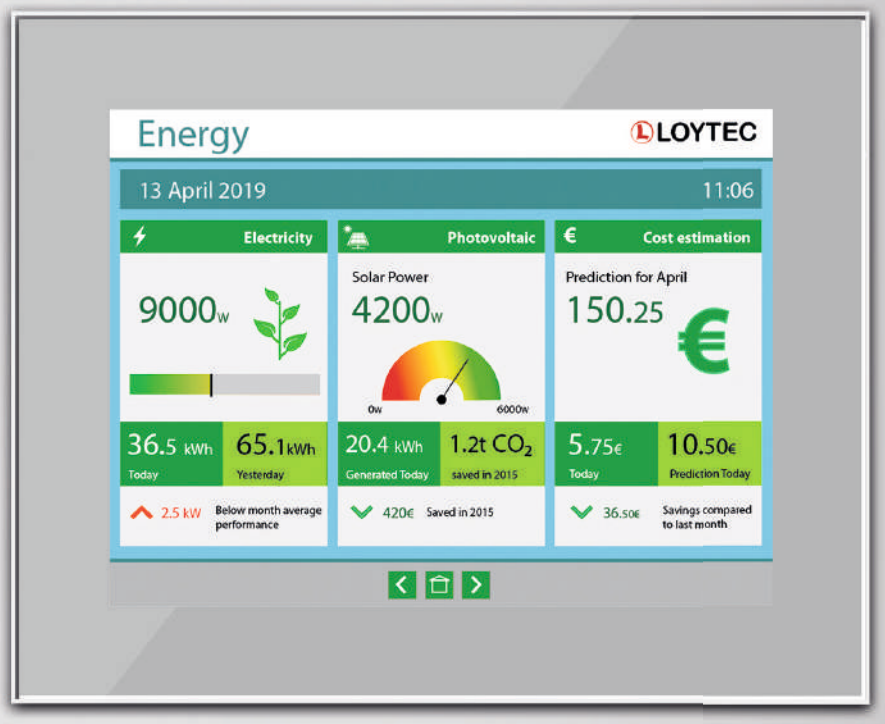
The high-quality L-VIS Touch Panels lift visualization and operation of an automation system to new heights. Architects and designers are drawn to the modern form of frameless glass design and dimmable backlight which complements the surroundings. L-VIS looks elegant and perfectly adapts to given room conditions.Technology and design seamlessly merge, allowing for unlimited artistic possibilities for display in residential or boardroom settings. Creating operational interfaces for mechanical rooms representing equipment is easy to accomplish. Bold, informative and functional designs can be created for critical care environments. Clean designs adapt to desired room variations.

Management Functions Included

L-VIS has full alarming, scheduling and trending functions. Create schedules for moving blinds, setting temperatures, dimming lights or any other time dependent process required. Adjustments are fast and easily made from the panel or with remote operation using PCs or mobile devices.

How do Personal Settings Influence Energy Consumption?

Monitoring Key Performance Indicators (KPIs) of all room control functions on an L-VIS Touch Panel provides immediate feedback to users about energy consumption of heating, cooling, and electrical devices by using a simple traffic light symbol. Unnecessary energy consumption can be caused by shifting the temperature set point to the maximum in either direction. By pressing just one button on the L-VIS, the most energy efficient automatic mode for all room control functions can be recalled. This saves energy and helps in understanding room automation control without knowing the technical background.


Energy
LOYTEC
13 April 2019
11:06
Electricity
9000W
36.5 kWh
Today
65.1 kWh
Yesterday
2.5 kW
Below month average performance
Photovoltaic
Solar Power
4200W
0W
6000W
20.4 kWh
Generated Today
1.2t CO2
saved in 2015
420€
Saved in 2015
Cost estimation
Prediction for April
150.25
5.75€
Today
10.50€
Prediction Today
36.50€
Savings compared to last month

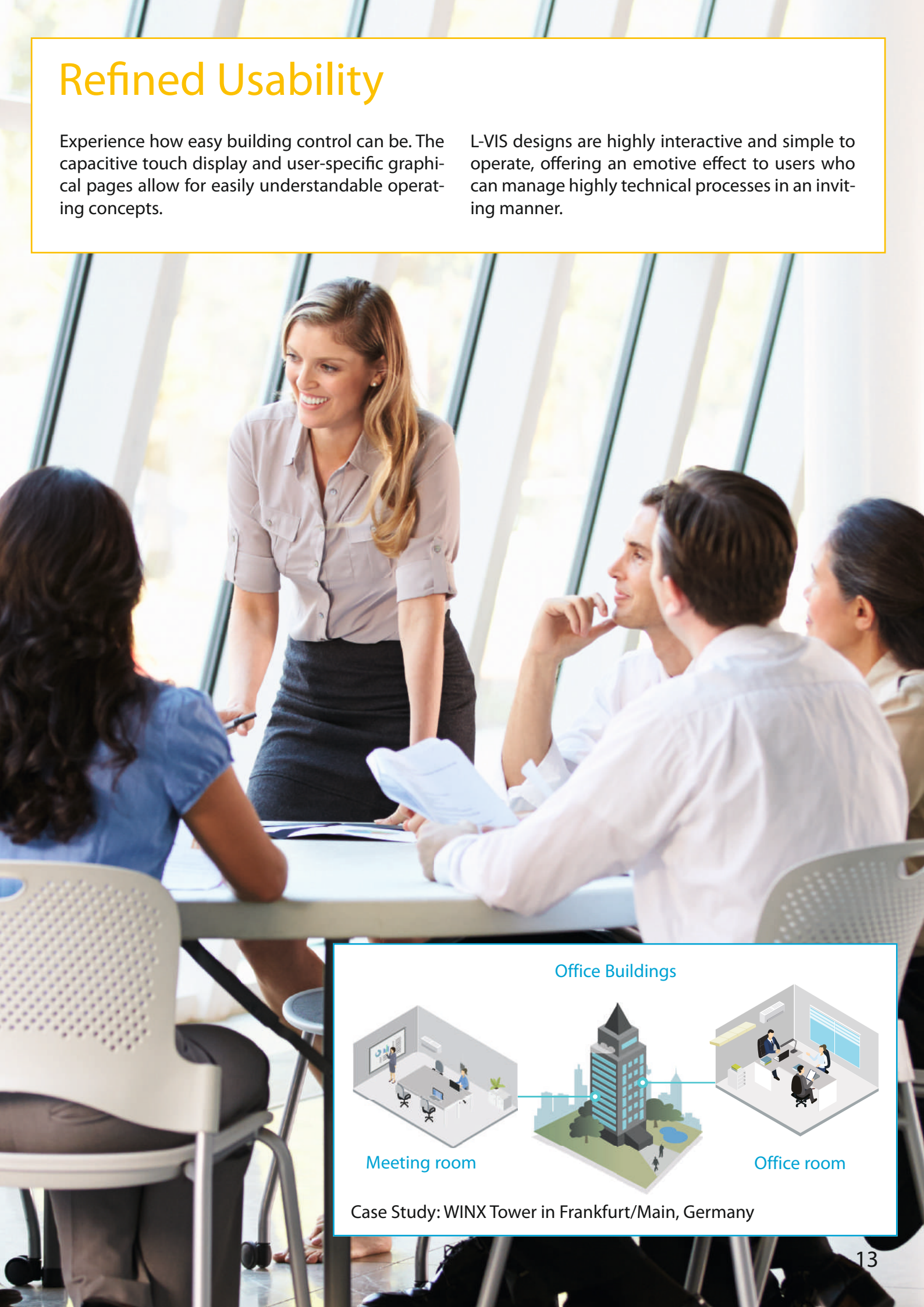
Corporate Design

Corporate design in a building means specific requirements from the customer regarding the appearance of visible elements throughout the building, including graphical user interfaces for room control. L-VIS templates greatly simplify the design process for individual customers. Templates created in this process can be reused for consistent deployment or modified for other projects.

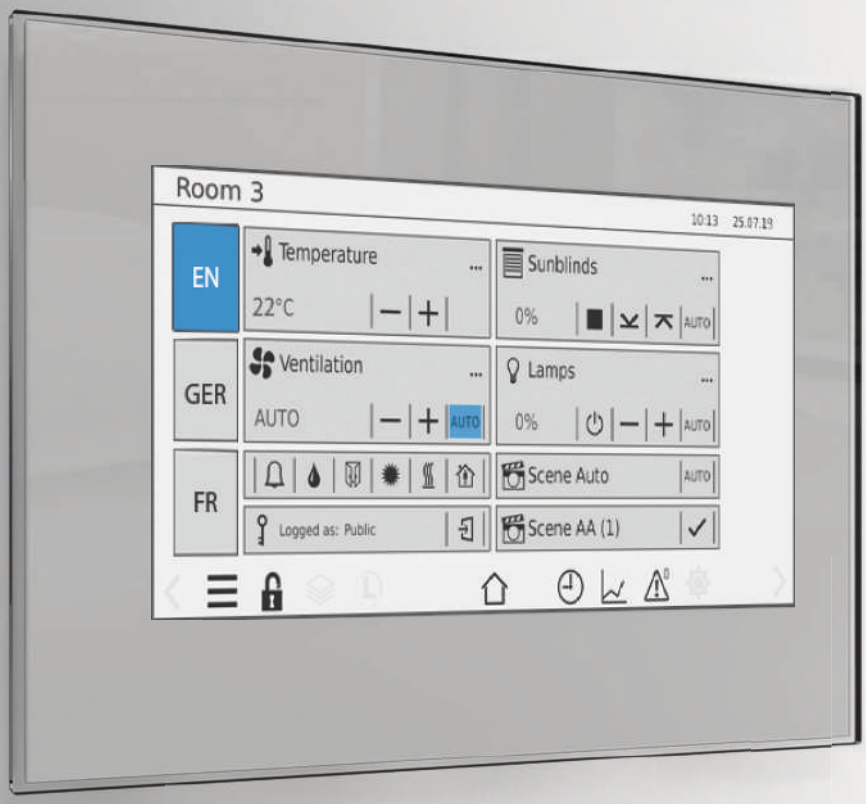
Refined Usability

Experience how easy building control can be. The capacitive touch display and user-specific graphical pages allow for easily understandable operating concepts.

L-VIS designs are highly interactive and simple to operate, offering an emotive effect to users who can manage highly technical processes in an inviting manner.



Case Study: WINX Tower in Frankfurt/Main, Germany



Hotels

Hotel room

Hotel kitchen

Case Study: Roomers Hotel in Baden-Baden, Germany

L-VIS Speaks Your Language

Multilingual displays for the hospitality industry is a requirement. A language selection can be made when a guest arrives at the reception desk, either automatically from the management system or by the guest when in the room.

Transferring engineering units from Celsius to Fahrenheit is an intuitive process. This gives additional comfort to the guest, no manual or phone call to the reception desk is required.

Health Care

Hospital room

Cafeteria

Case Study: Rygshospitalet in Copenhagen, Denmark

For Various Applications

L-VIS Touch Panels are found in a wide range of applications from rooms to buildings and equipment. Schools, event facilities, hotels and office buildings can be completely touch operated.

No matter if it's at the room level, in operating environments, clean rooms, conference or boardrooms all are controlled by L-VIS. L-VIS in the mechanical room ensures the proper operation of equipment.

L-VIS in Clean Rooms

Properly sealed, the frameless glass L-VIS devices can be used in clean rooms, operating rooms and kitchen applications with higher humidity levels or disinfection requirements.

If you can control it via app, you can integrate it into the building automation system or touch panel interface.

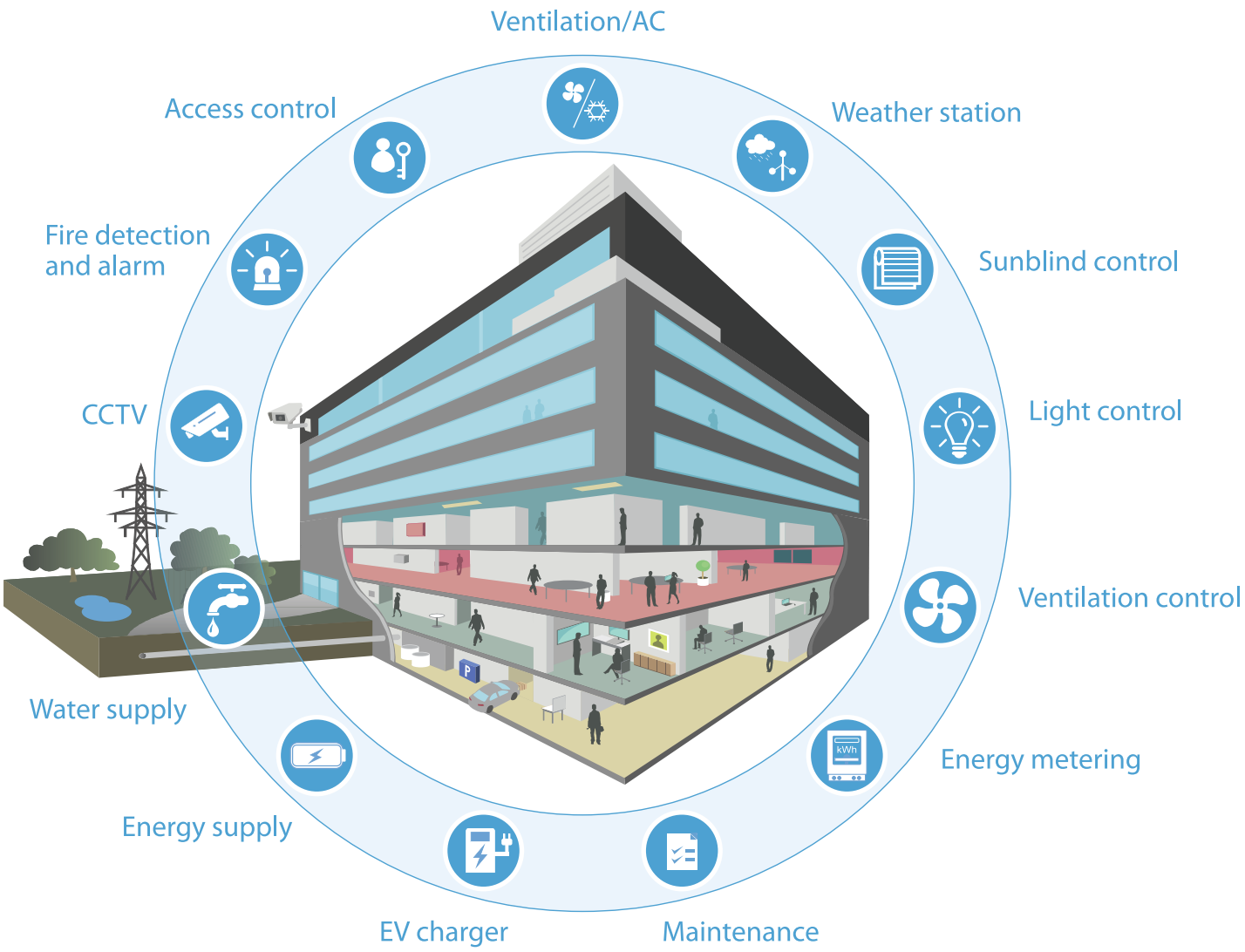
Internet of Things - IoT

The advent of the Internet of Things brought forward a myriad of devices containing web-based interfaces. multimedia projectors, A/V systems, Smart-TVs, or smart light bulbs, which can all be integrated with LOYTEC's groundbreaking JavaScript IoT integration engine.

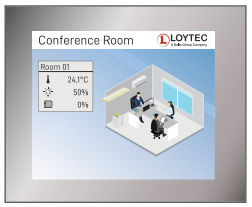
Scenes for multimedia equipment, lighting, shading, temperature and other devices can be enabled from a single touch panel button. In a meeting room or auditorium, scheduling can be delivered from web calendars or booking systems.

Visualization at the Highest Level

L-VIS gives complete control of buildings and rooms in a manner suitable to the surroundings. No other visualization system compares with its comprehensive level of sophistication in design.

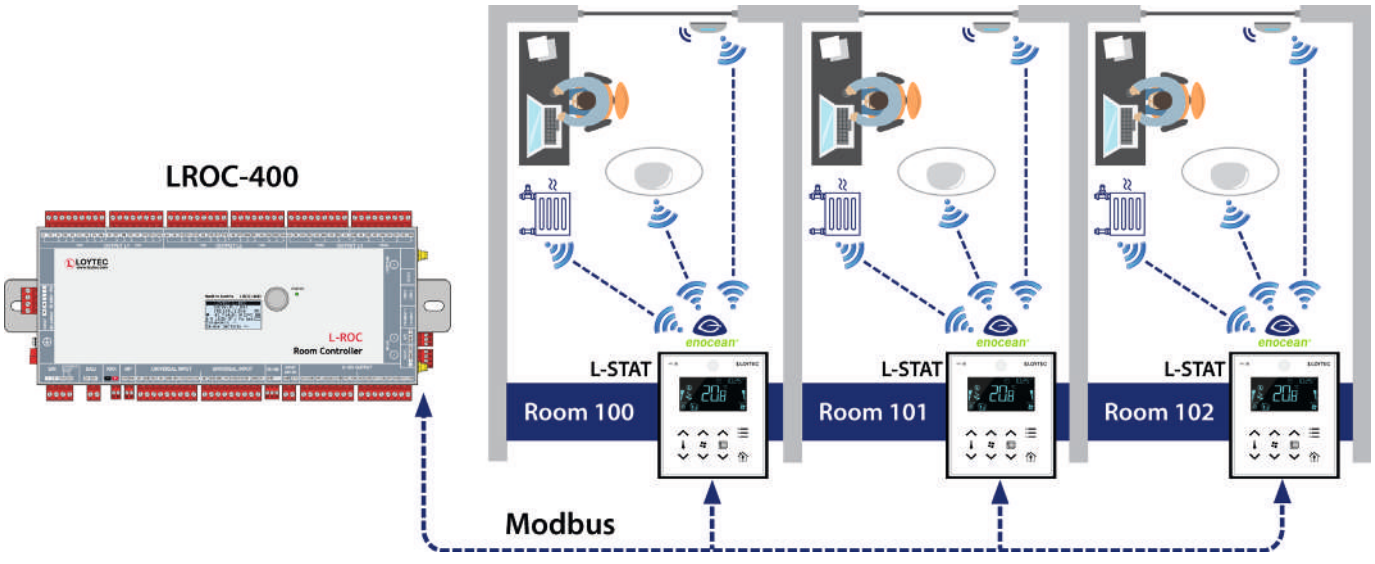


The L-VIS Family Specifications



L-VIS 7″ L-VIS 12" L-VIS 15"

	LVIS-3ME7-Gx	LVIS-3ME12-Ax	LVIS-3ME15-xx
Screen size	7″ (178 mm)	12.1″ (307 mm)	15″ (381 mm)
Dimensions (mm)	223.5 x 162 x 65 (L x W x H)	329 x 268.3 x 65 (L x W x H)	394 x 318 x 65 (L x W x H)
Display resolution	800 x 480, 262 144 colors	800 x 600, 262 144 colors	1024 x 768, 262 144 colors
Power supply	24 V DC, 2.5 W, backlight on: 5 W	24 V DC, 4 W, backlight on: 10 W or 85-240 V AC, 7 W, backlight on: 13 W	24 V DC, 4 W, backlight on: 10 W or 85-240 V AC, 7 W, backlight on: 13 W
Interfaces	2 x Ethernet (100Base-T), Switch: OPC UA (server) and OPC XML-DA (server, client), LonMark IP-852, BACnet/IP, Modbus TCP (Master or Slave), HTTP, FTP, SSH, HTTPS, SMTP, NTP, VNC 1 x TP/FT-10 1 x RS-485 (ANSI TIA/EIA-485): BACnet MS/TP or Modbus RTU (Master or Slave) 2 x Digital Input 1 x Digital interface for up to 4 L-TEMP1 sensors 2 x USB-A: (LVIS-3ME15-Gx only 1 x USB-A) WLAN (needs LWLAN-800), LTE (needs LTE-800) 1 x USB-B (PC), stereo speaker, needs audio output		
Operating conditions	+10 °C to 40 °C, 10-90 % RH, non condensing		
Degrees of protection	Front: IP54 / back: IP10		
Article numbers	LVIS-3ME7-G1: silver, frameless glass front and capacitive touch LVIS-3ME7-G2: black, frameless glass front and capacitive touch	LVIS-3ME12-A1: aluminum frame with anodized finish	LVIS-3ME15-A1: aluminum frame with anodized finish LVIS-3ME15-G1: silver, frameless glass front and capacitive touch LVIS-3ME15-G2: black, frameless glass front and capacitive touch LVIS-3ME15-G3: white, frameless glass front and capacitive touch



L-STAT-CUSTOM offers optional EnOcean support.

Room Control in a New Dimension with L-STAT Room Operator Panels

The L-STAT is a room control device with a modern, minimalistic look that fits any interior design. It is directly connected to a LOYTEC controller with an open protocol interface.

Up to 16 L-STAT devices can be connected to one controller. L-STAT is equipped with a segmented LCD display featuring an RGB backlight with adjustable color, offering an elegant way to make the L-STAT match the interior color concept of any building. Eight capacitive touch buttons are used to cycle through sensor values, display parameters, and adjust set points. Additionally, four external buttons can be connected.

Depending on the version, the L-STAT's internal sensors measure temperature, humidity, dew point, ambient light, occupancy, and the CO_2 level of the air. Additionally, the date and time as well as the current level of eco-friendliness in the form of leaves are also displayed on the LCD display.

Acoustic feedback for the touch buttons can be used to indicate alarms and error states. To prevent unauthorized modifications, two access levels (end user, system integrator) are provided. Last but not least, the L-STAT comes with a built-in infrared receiver for comfortable remote control.

L-RC1 Remote Control

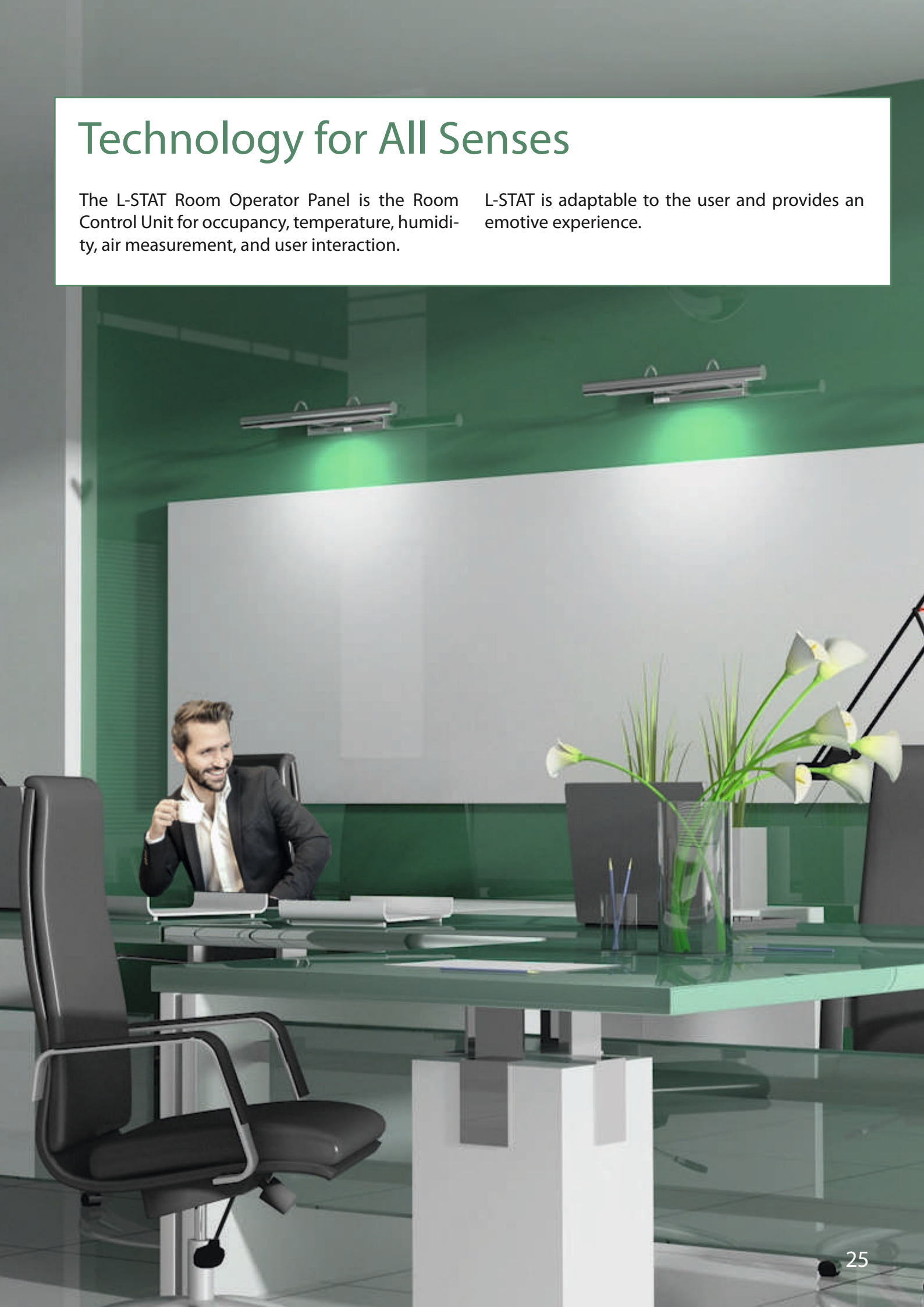
Remote Control

With the built-in infrared receiver, remote devices can be used to conveniently operate the room.

Technology for All Senses

The L-STAT Room Operator Panel is the Room Control Unit for occupancy, temperature, humidity, air measurement, and user interaction.

L-STAT is adaptable to the user and provides an emotive experience.



Office Buildings

Meeting room

Office room

Case Study: Austria Campus in Vienna, Austria

Color Your View

L-STAT Room Operator Panels offer a full color adjustable LCD. Notify occupants of various conditions with color or set a color according to the user's preferences!

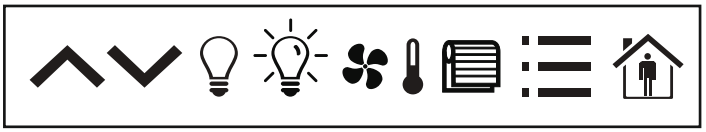
LOYTEC
NFC
10:25
20.8
°C
AUTO
AUTO

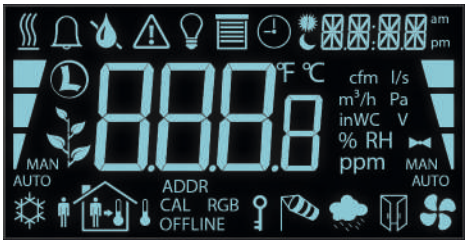
The L-STAT Family

The L-STAT comes with **3 models**, 2 front covers, and 6 possible button layouts.	LSTAT-800	LSTAT-801	LSTAT-802
Temperature Sensor	✓	✓	✓
Relative Humidity Sensor	✓	✓	✓
Infrared Receiver	✓	✓	✓
Occupancy Sensor	✗	✓	✓
CO_2 Sensor	✗	✗	✓
EnOcean	optional		

Choose Your Button Configuration

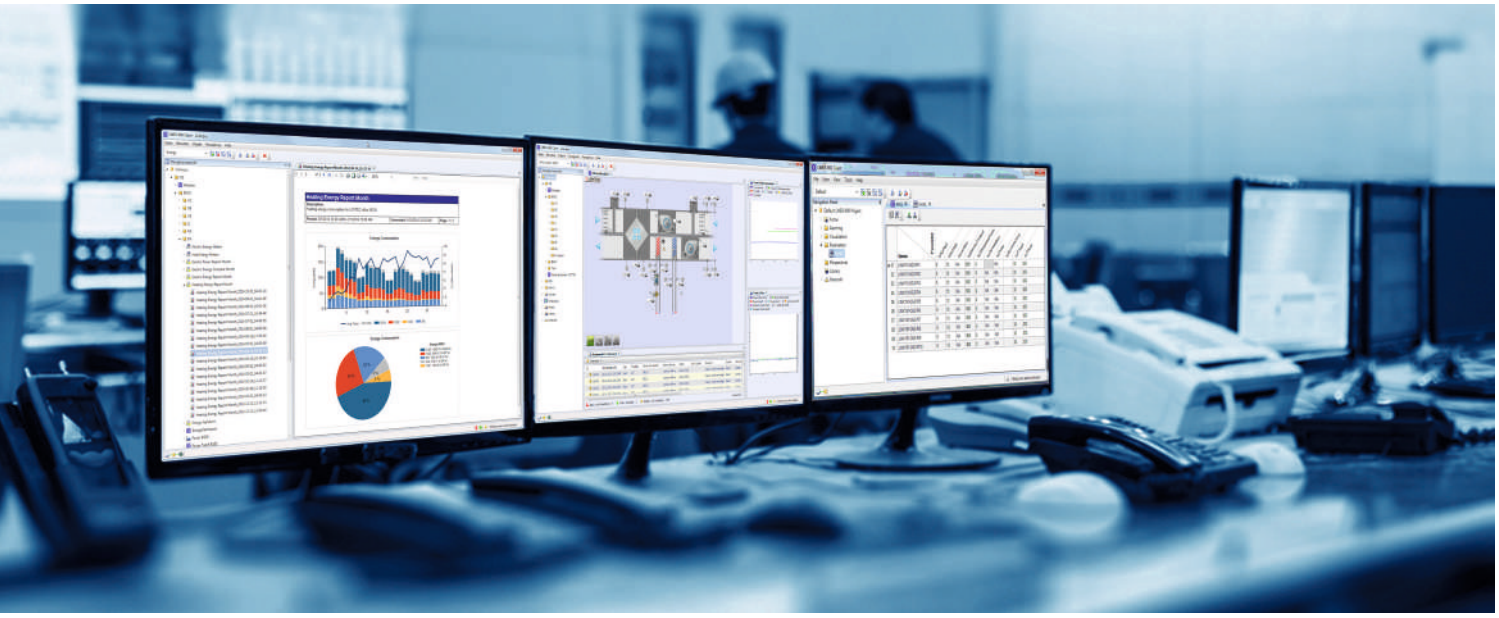
8 configurable buttons that match the needs for individual room control functions are available - including temperature setpoint, lighting control, sunblind control, and ventilation. Please make your personal choice!

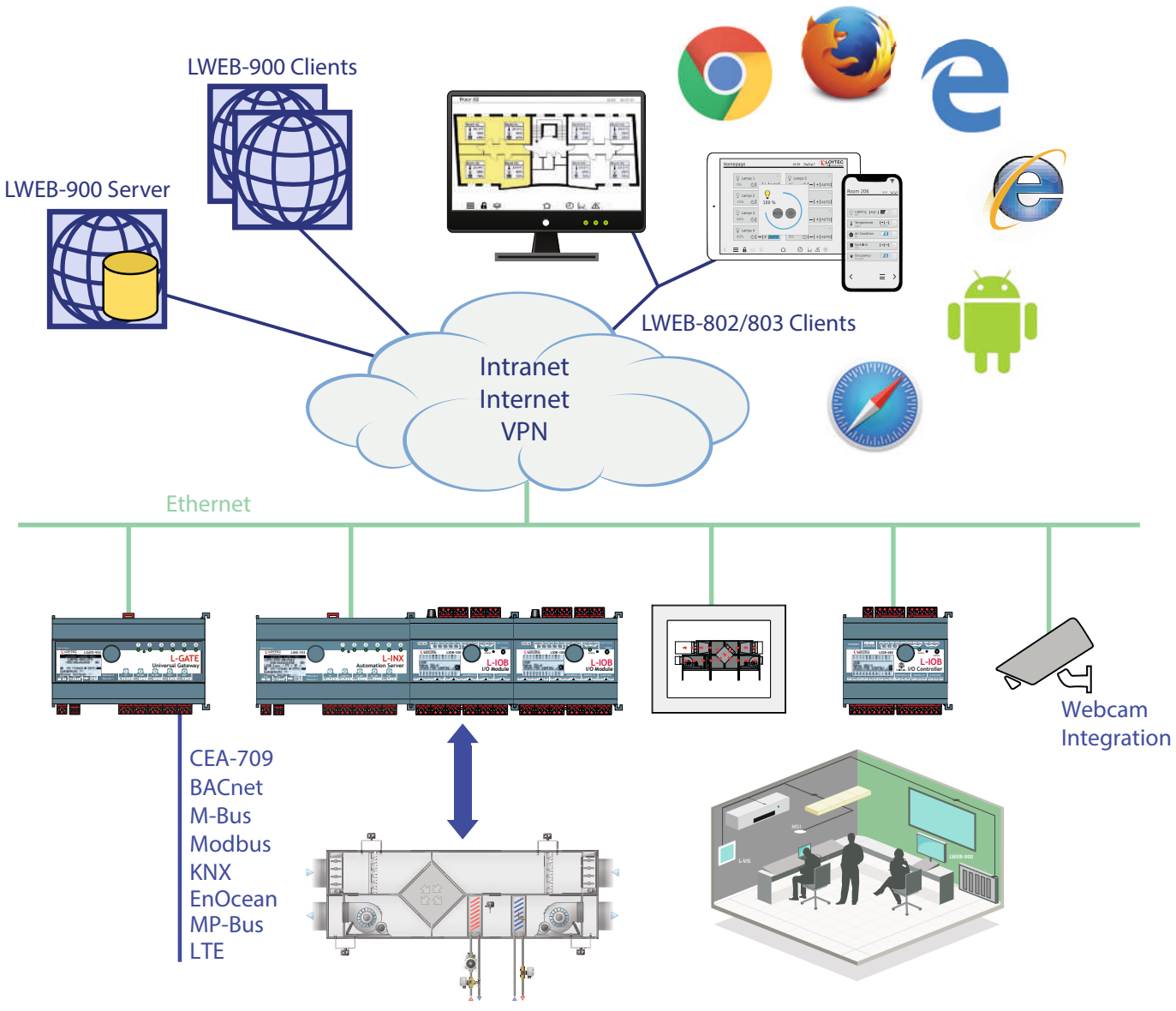




Better by Design with L-STAT-CUSTOM

Our L-STAT-CUSTOM offers endless possibilities for your front panel designs and button layouts. Whether for schools, airports, factories or museums, we offer the perfect design for your individual room control unit. With L-STAT-CUSTOM you can even create your own trendy sensor buttons.




LWEB-900 Clients
LWEB-900 Server
LWEB-802/803 Clients
Intranet
Internet
VPN
Ethernet
L-GATE
L-INX
L-IOB
L-IOB
L-IOB
Webcam
Integration
CEA-709
BACnet
M-Bus
Modbus
KNX
EnOcean
MP-Bus
LTE

L-WEB Building Management System

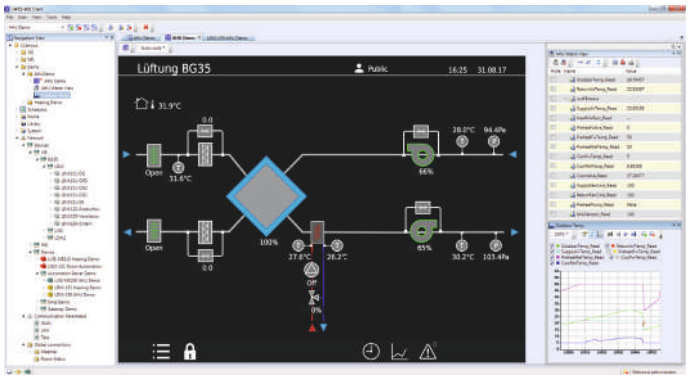
The L-WEB System is a powerful building management system platform for managing distributed building automation systems of any size. Maximum flexibility and scalability is achieved through the LWEB-900 client/server architecture in combination with the distributed LOYTEC devices such as L-INX Automation Servers and L-ROC Room Controllers.

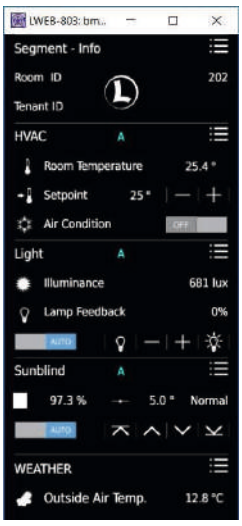
The L-WEB System provides:

- Visualization of customized graphic pages with dynamic content from a standard web browser
- Analysis and storage of long term data
- Management of distributed time schedules
- Alarm management
- Organization of system parameters and data points
- Device management and updates for all LOYTEC devices
- Reporting, e.g. to document the energy consumption of a building
- Integration of Webcams
- Multi-Site Feature

LWEB-900 Integrated Building Management System

Multiple users can simultaneously use the system functions on different PCs. LWEB-900 provides comprehensive user management and asset tracking features. Alarming, scheduling and trending (AST™) functions distributed to LOYTEC devices are automatically synchronized to the LWEB-900 server. AST™ functions are ready where they are needed in building automation and fully integrated into the L-WEB System.





LWEB-802/803 Web Operation

Individualized graphics can be created for specific tasks which are available to different users via LWEB-803 dashboards, LWEB-802 HTML5 user interfaces, or through the LWEB-900 building management system.

The LOYTEC development team in Vienna, Austria continuously maintains product software to keep our competitive edge.

Keep updated with the latest updates and new features at www.loytec.com and subscribe to our newsletters.

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L-STAT Video

Watch our L-STAT video now on YouTube!
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