

A photograph of a modern office interior with several desks, chairs, and large windows overlooking a city. The image is used as a background for the central text.

OTOMIO

OPTIMIZED OFFICE AUTOMATION

JUNE 2021 SESSION





June 23rd, Legnano



Matteo Sagnelli

Product Manager - OTOMO

Welcome!



Today's Agenda

1

OTOMO Introduction

2

What's New

3

Q&A

Story & Facts



Family Company, founded in 1994, based in Legnano (Milan)



Product design with R&D hardware & software fully Made in Italy



Offices in Asia Pacific, China, Middle East and Europe



Manufacturer Member of KNX Association since 2005,



Certified KNX Training Center and Technical Board Member
Continuous product modernization, design customization
enabling big-data generation and mobile apps



More than 750 Guest Room Management Systems controlling 36000 rooms in hotels and residential condominiums



*From simple to complex room automation for smart buildings
Offices, Hospitals, Campuses, Mix Used ...*



*Installations in 80 Countries, products are 100% tested in factory,
assistance from the design solution phase to after sales*



*Devices comply with KNX worldwide certification standard,
issued by accredited labs based in Germany*



*A pioneer developing & keep evolving own KNX Stack,
expanding solutions with BLE, IoT devices and apps since 2016*



BUILDING AND HOME EVOLUTION

Portfolio: CONTINUOUS PRODUCT MODERNIZATION and enabling big-data generation

9025
evolving skills

3025
Warmth in your place

eelecta
You, in an happy and environmental world

DESIGN AWARDED
SWITCHES & THERMOSTATS
Customizable ranges

DESIGN PLUS
powered by light+building



reddot design award
winner 2012



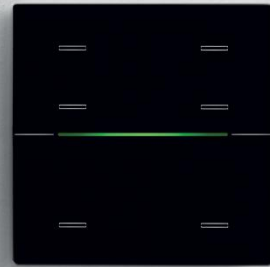
HMI, SUPERVISION AND DASHBOARDS

Touch Screens
Horizone Webserver

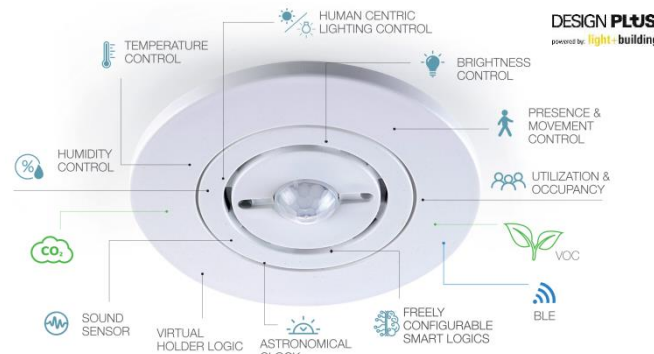


Weather Station
Time/astronomical master

HORIZONE



9025 MULTISENSOR
CONTROLLER
CO₂ – Humidity –
Temperature
with RGB Led Bar



KNX MULTI.SENSORS

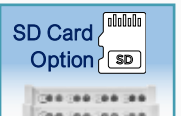
Wide



Corridor

ACTUATORS and OTHER COMPONENTS

Universal Modules, HVAC, Dimmers, Blinds and Gateways

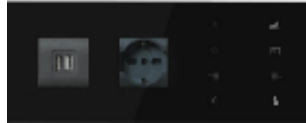
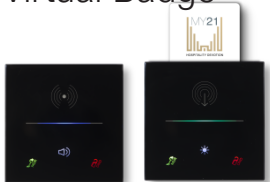


SD Card
Option

GUEST TOTAL ROOM MANAGEMENT SOLUTION

Door Access Control, bedsides, ...
Virtual Badge

eSuite



IP DEVICES
KNX Secure



OTOMO

OPTIMIZED OFFICE AUTOMATION

Lights, Sunblind control, BLE enabled, App





OTOMO introduction

ENHANCING USER EXPERIENCE



Easy to manage lighting, comfort and shading control in offices and other spaces



Environmental control with automatized scenarios and qualified presence



Occupant can make variations by her/his own by OTOMO mobile app



Mobile drains less power than wifi, compatible with all smartphones

EASY AND COST-EFFECTIVE WAY



Compliant with the Efficiency Class A of the European standard EN 15232.



Obtain savings up to 33% of offices lighting electricity (as BACS efficiency factors)



Quick set-up, BLE Technology simple to manage by OTOMO app



Easy to configure from design to maintenance

What it is Technology

- ✓ OTOMO is a lighting & shading control system composed of electronic devices equipped with **environmental sensors**.
- ✓ **Bluetooth® technology** empowered by **Eelectron MESH** to exchange information, **no need** to interact with WIFI
- ✓ **Cloud connected** App for Occupant, available for smartphone & tablet. **Configuration** Settings part of the App suite.



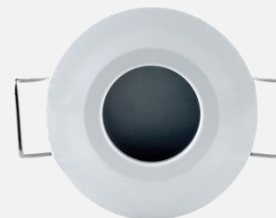
A simplified set of COMPONENTS



DALI MODULE



IO42-41-40 MODULES



BRIGHTNESS & TEMPERATURE SENSOR



PRESENCE DETECTOR



OTOMO APP

BYOD – Bring Your Own Device



BEACONS

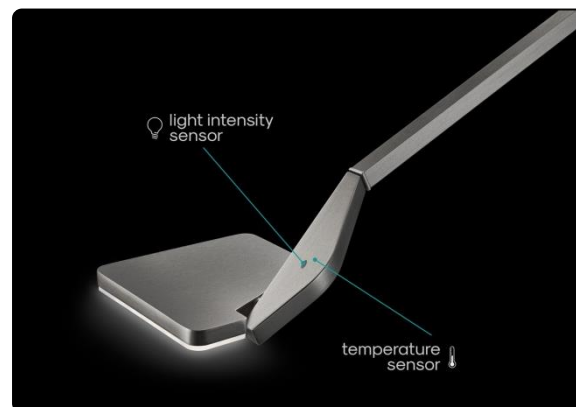


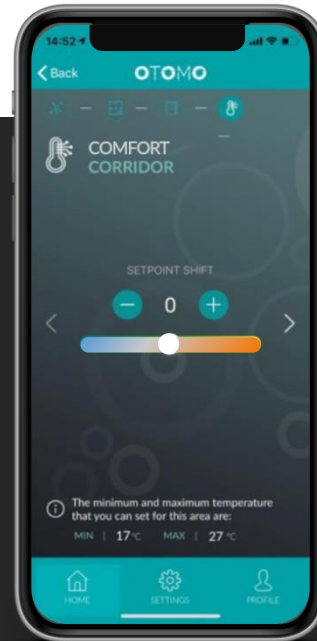
TABLE LUX/TEMP METERING LAMP

OTOMO
OPTIMIZED OFFICE AUTOMATION



OTOMO/KNX Gateway

OTOMO



OTOMO interoperates with KNX

Adding Temperature Control to OTOMO Solution

Extending Qualified Presence to a KNX powered network

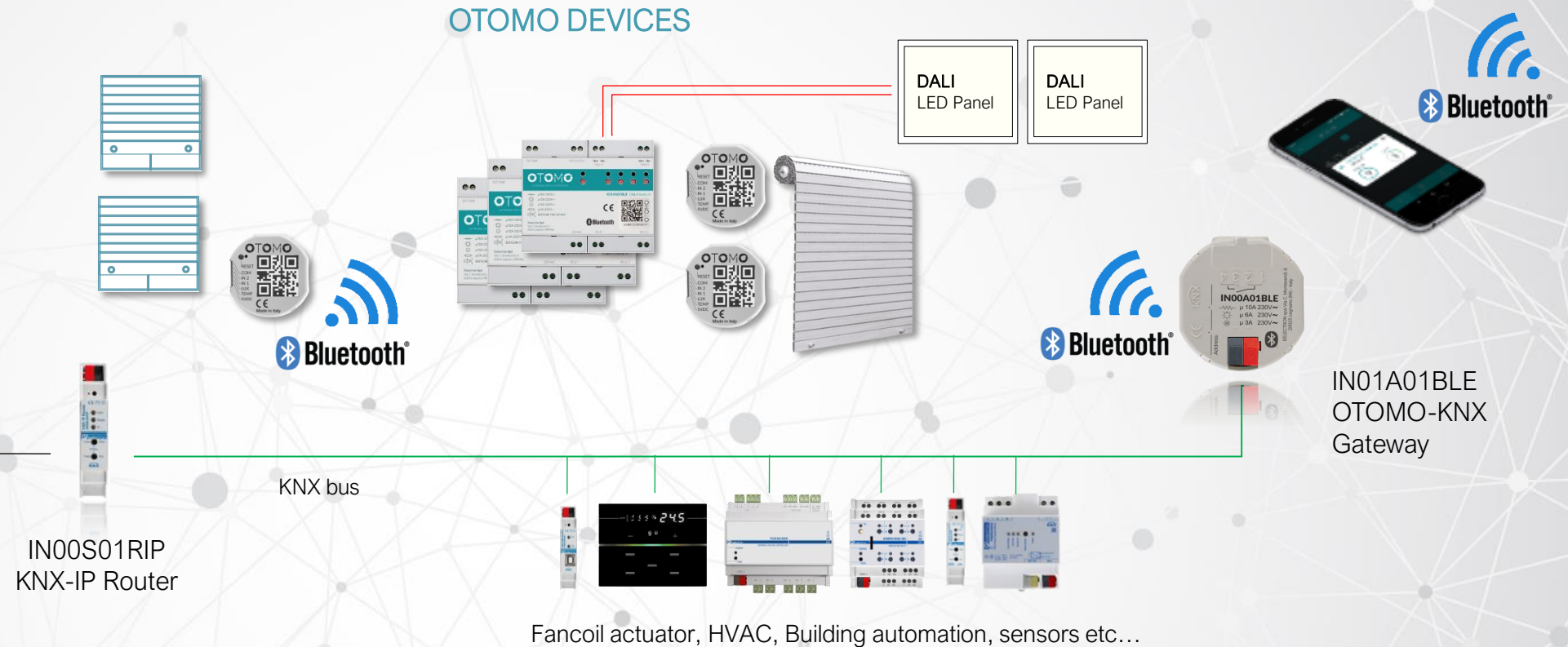
OTOMO App Enhancements

Customer Advantage combining



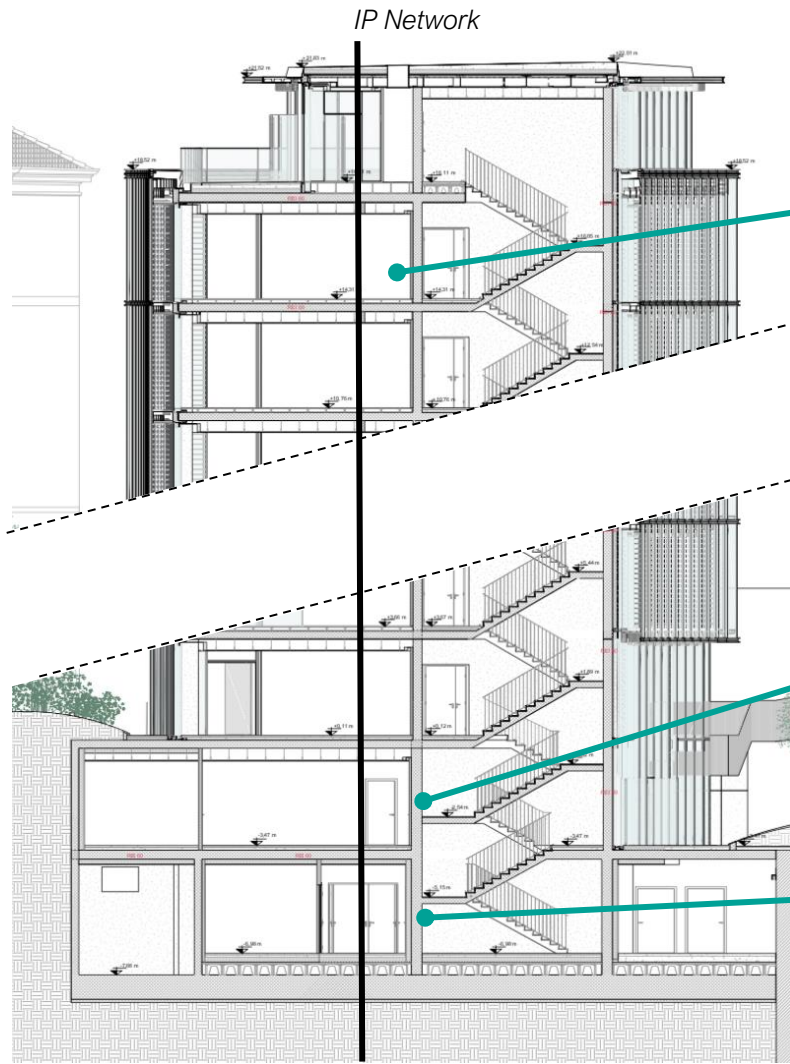
Building Supervisory Systems
and / or

HORIZONE

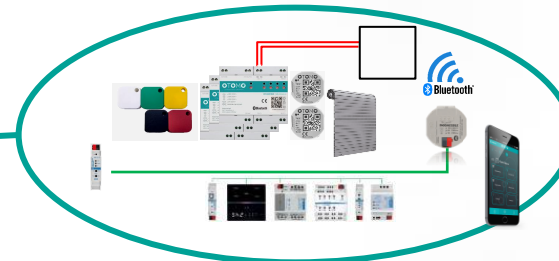
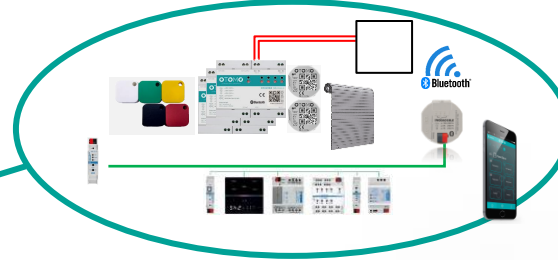
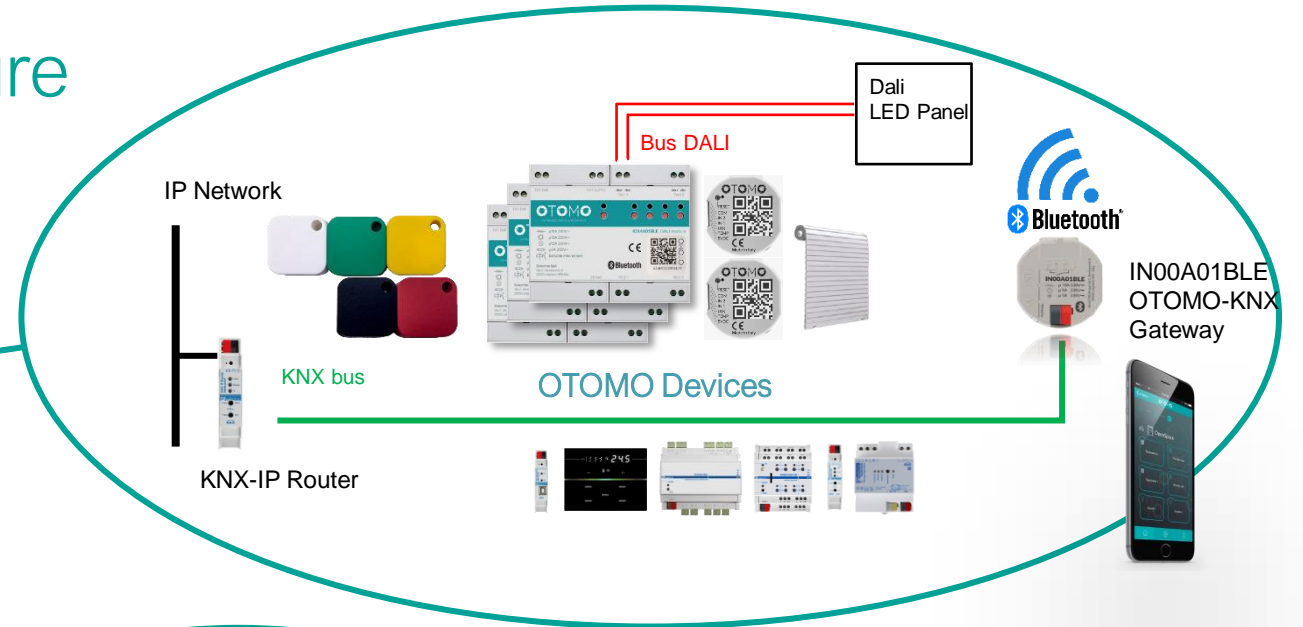


OPTIMIZE «BUS CABLING» FOR KNX ENPOWERED
WITH WIRELESS BLE ROOM AUTOMATION AND MOBILE APP

OTOMO – KNX Modular architecture



HORIZONE Or a Supervisory system

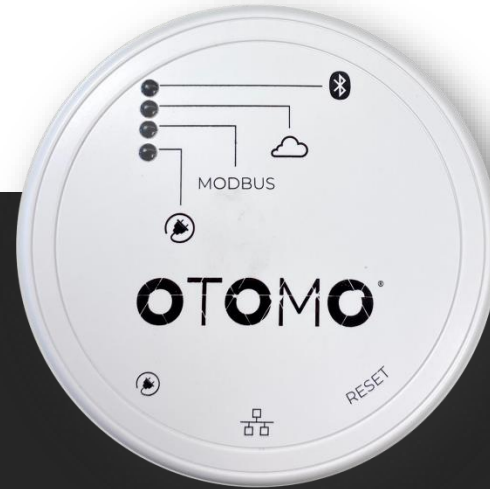


SINGLE OR MULTI-TENANTS

Expanding OTOMO connectivity

OTOMO

OPTIMIZED OFFICE AUTOMATION



OTOMO-IP MODBUS Gateway

IP

- ✓ Cloud connected at device level for remote control from OTOMO App
- ✓ Simple statistics inside OTOMO App

ModBus

- ✓ Modbus/TCP for easy integration to supervisory and control systems
- ✓ ModBus/TCP Client

INTRODUCING IP: MODBUS AND EVOLVING CLOUD FEATURES



What's **NEW**

IP Gateway and Remote Control



OTOMO/ModBus-IP Gateway

Building Supervisory Systems
or

HORIZONE

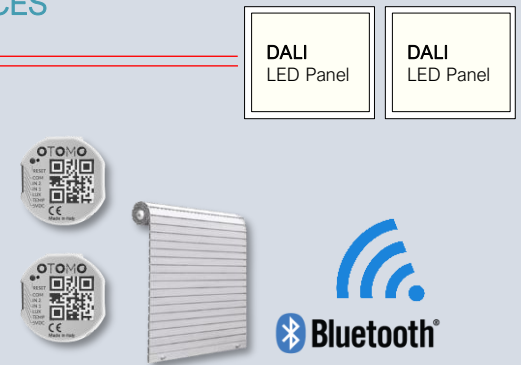
Modbus Over IP



OTOMO-IP MODBUS Gateway





OTOMO DEVICES



CONNECTIVITY

OTOMO/ModBus-IP Gateway

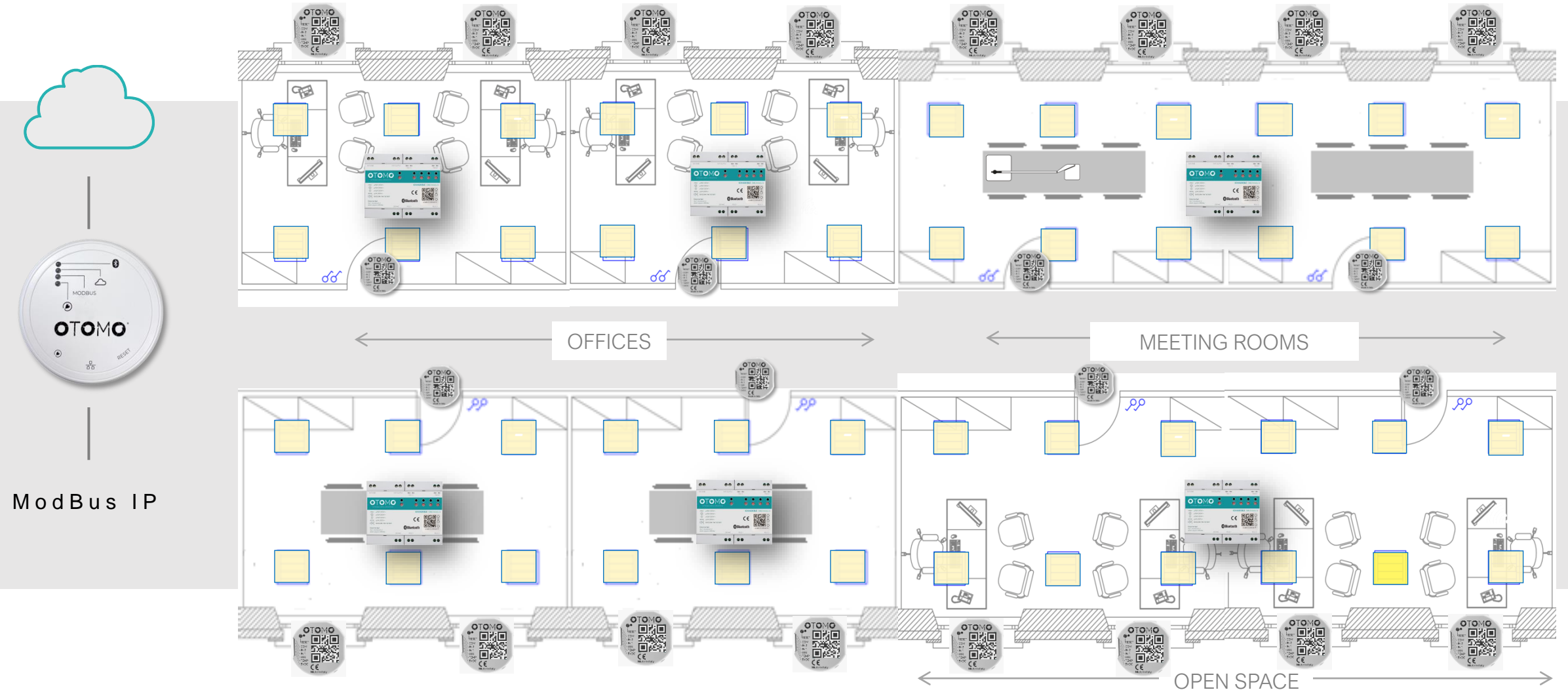
ADDR. RANGE	NR	FUNC	ENCODING	BYTES	DESCRIPTION
0x0000	1	FC4	UINT16 Unsigned integer	2	DEVICES NUMBER Number of configured OTOMO devices
0x0001 ... 0x00C8	200	FC4	UINT8 + UINT8 Double unsigned integer	2	DEVICE STATUS & TYPE Up to 2 light per device: <div style="display: flex;"> <div style="background-color: yellow; width: 50px; height: 50px; margin-right: 5px;"></div> BYTE 0 device status 0: not configured 1: online 2: offline </div> <div style="display: flex;"> <div style="background-color: #90EE90; width: 50px; height: 50px; margin-right: 5px;"></div> BYTE 1 device type According to OTOMO specifications </div>  <div style="display: flex; justify-content: space-around; background-color: #f0f0f0; padding: 5px;"> BYTE 1 BYTE 0 </div>
0x00C9 ... 0x0190	200	FC4	BITMASK	2	ON/OFF LIGHTS STATE Up to 2 lights per device ¹ : Bit 0: light1 state Bit 1: light2 state  <div style="display: flex; justify-content: space-around; background-color: #f0f0f0; padding: 5px;"> BYTE 1 BYTE 0 </div>

[illegible]

OTOMO-IP MODBUS Gateway

CONNECTIVITY

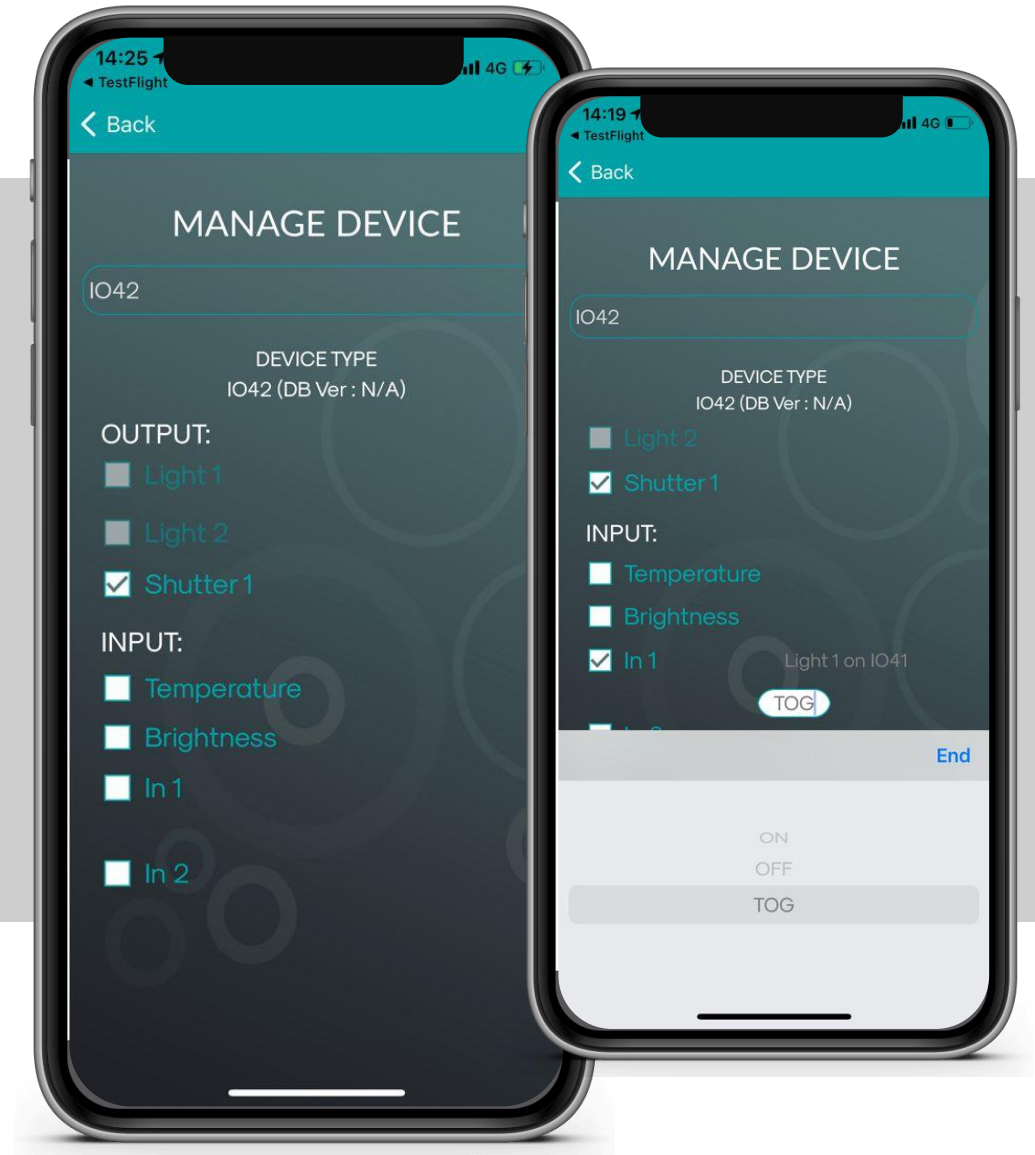
Connecting a typical Office Area



FOR THE ENTIRE LIFE CYCLE OF THE SITE

OTOMO App enhancements

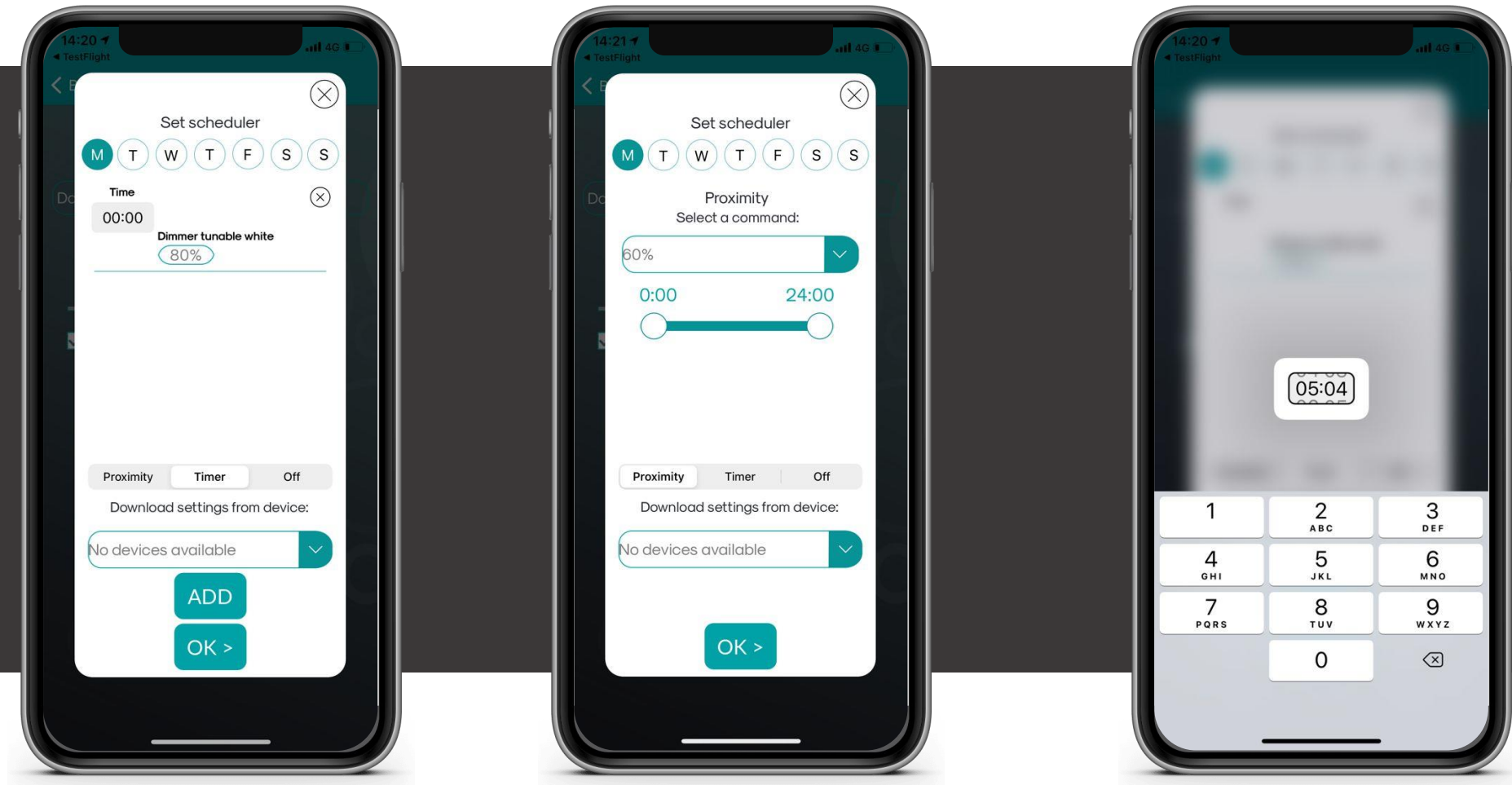
Toggle (ON/OFF from the same Input)
through OTOMO IO4x input interface



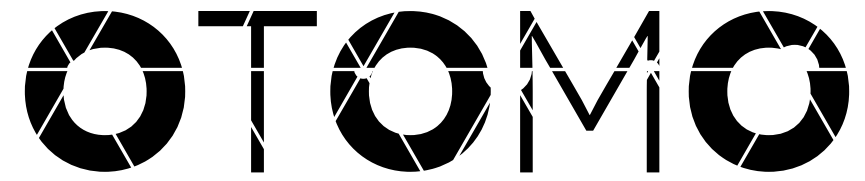


STEP DIMMING & TOGGLE THROUGH OTOMO IO4x PUSHBUTTON

OTOMO App enhancements



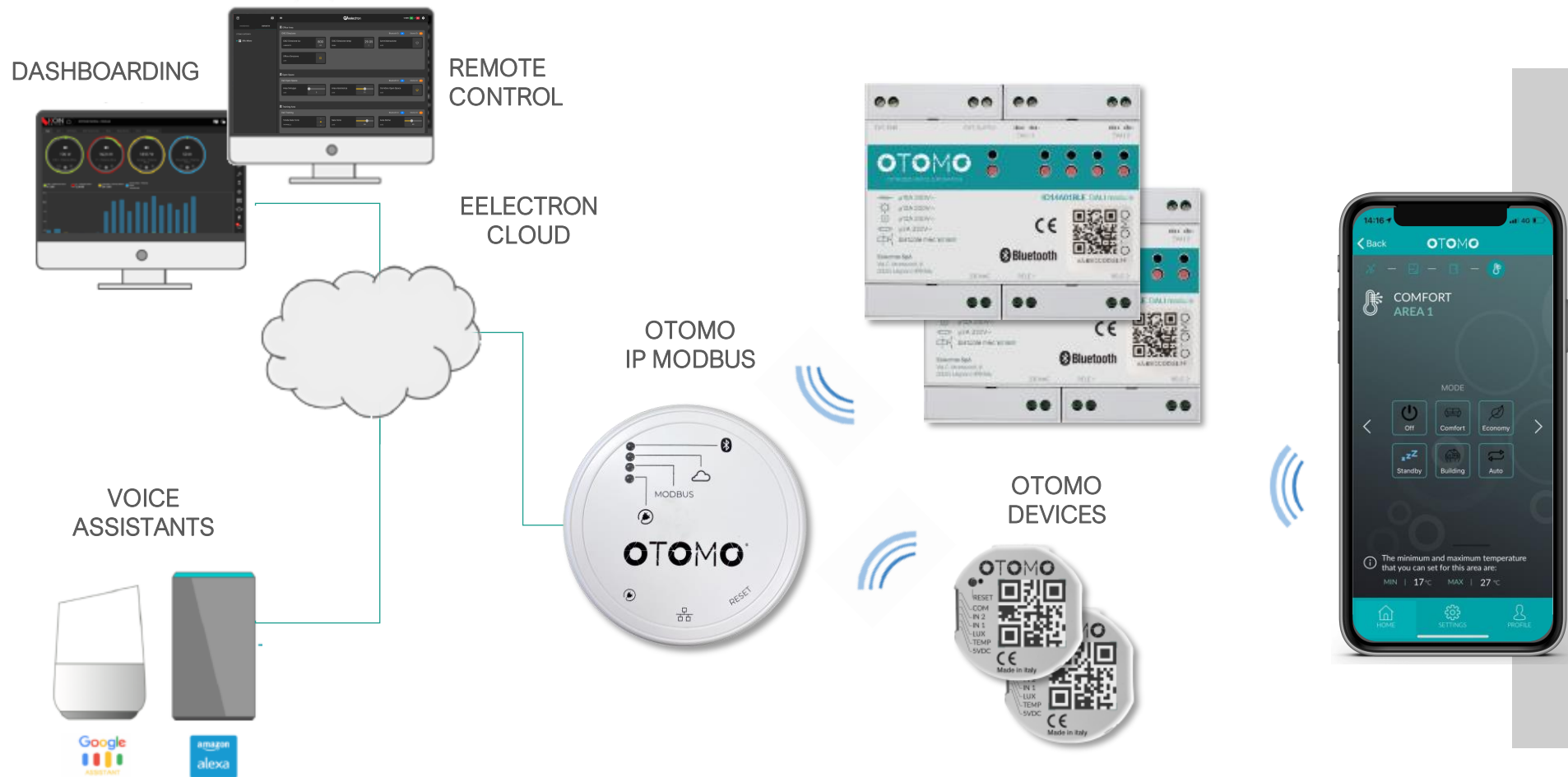
EVOLUTION FOR THE SCHEDULER



OPTIMIZED OFFICE AUTOMATION



Expanding OTOMO connectivity



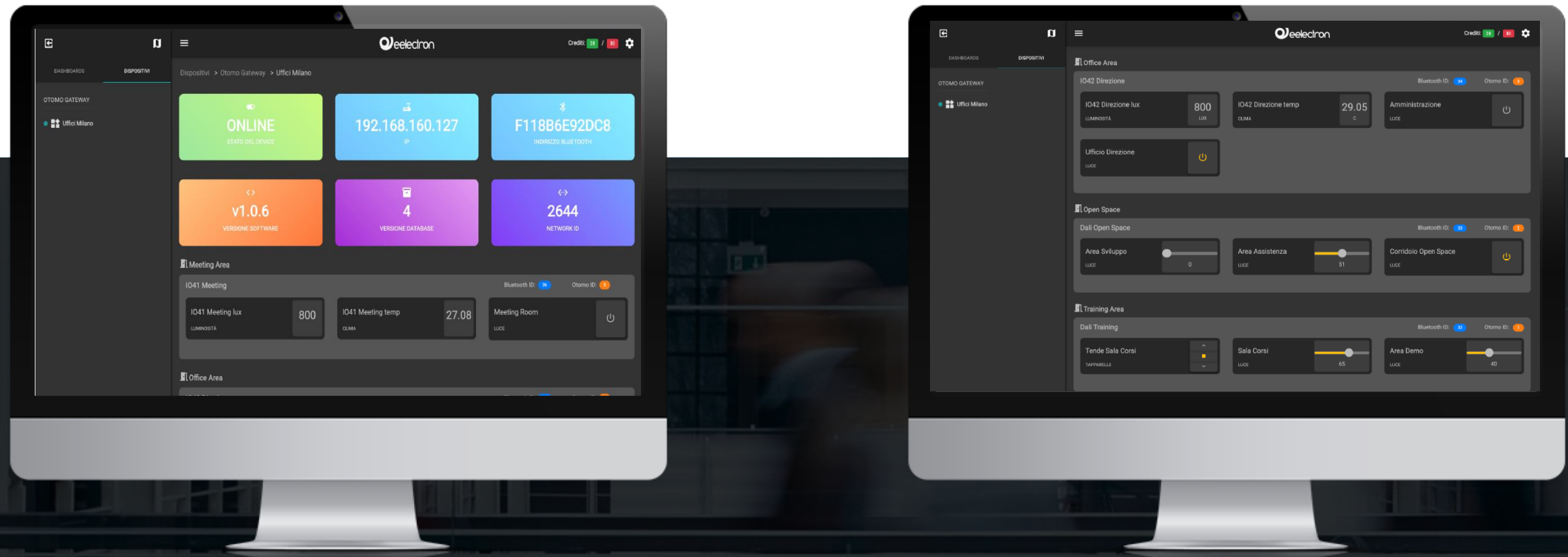
INTRODUCING VOICE ASSISTANTS & DASHBOARDING

OTOMO Voice assistants



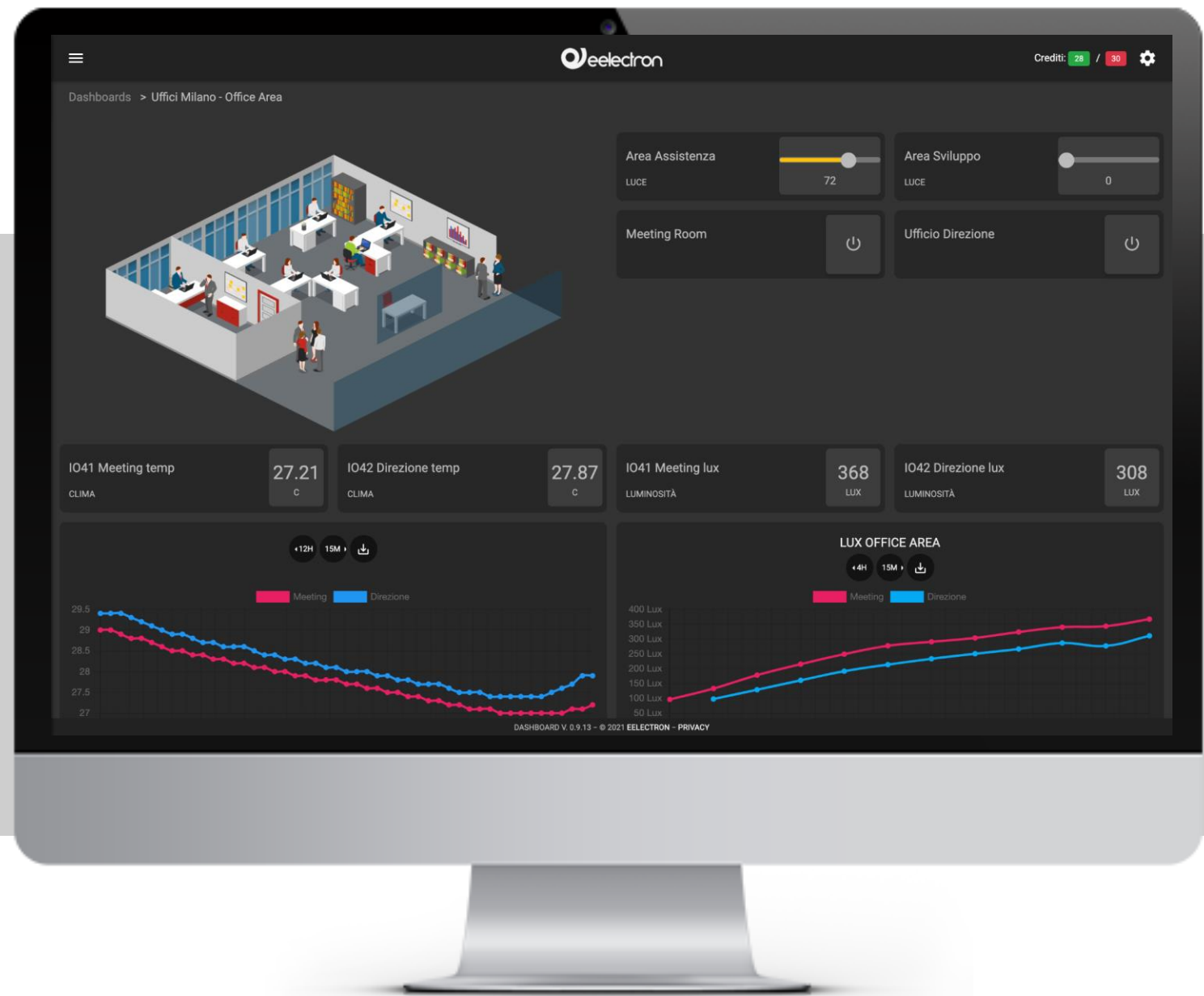
CONNECTING VOICE CONTROL TO OTOMO

OTOMO Remote Control through Eelectron dashboarding



REVOLUTIONARY REMOTE CONTROL & SUPERVISION

OTOMO Dashboard



REVOLUTIONARY REMOTE CONTROL & SUPERVISION

Products Availability

OTOMO System components

in stock

OTOMO IP - Modbus

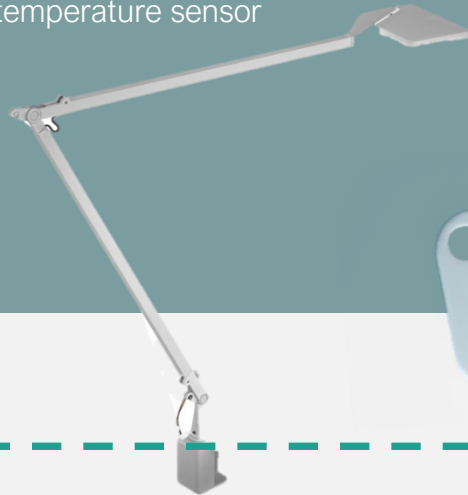
July 31st, 2021

OTOMO Dashboarding

July 31st, 2021

OTOMO Starter Kit

LED TABLE LAMP
with embedded
brightness sensor and
temperature sensor



BEACON
Performance
and low power



DALI MODULE
2 channels x 8 ECG
Broadcast - Integrated
Circadian Cycle



IO42 MODULE
4 IN + 2 OUT



INNOVATION YOU CAN TOUCH

OTOMO First Starter Kit

SENSOR
BRIGHTNESS & TEMPERATURE



BEACON
Performance
and low power



DALI MODULE
2 channels x 8 ECG
Broadcast - Integrated
Circadian Cycle



IO42 MODULE
4 IN + 2 OUT

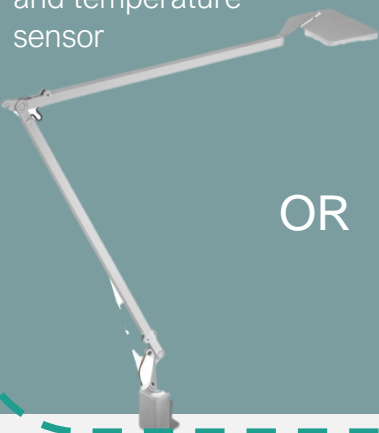


INNOVATION YOU CAN TOUCH

OTOMO Starter Kit Limited Edition

LED TABLE LAMP

with embedded
brightness sensor
and temperature
sensor



SENSOR BRIGHTNESS & TEMPERATURE



OR

BEACON Performance and low power



DALI MODULE

2 channels x 8
ECG Broadcast -
Integrated
Circadian Cycle



IO42 MODULE 4 IN + 2 OUT



+



Special Price!!

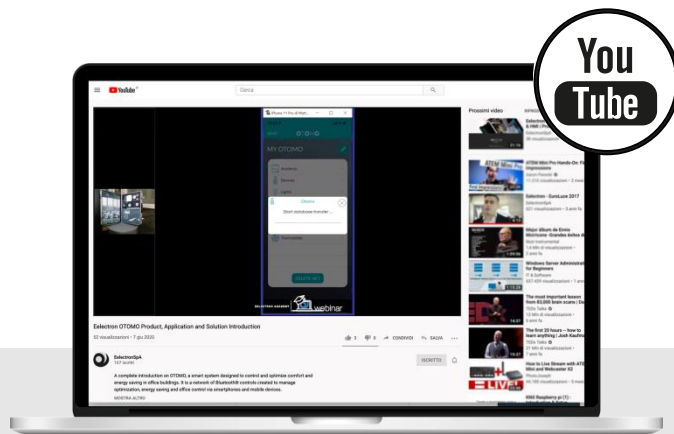


DO NOT MISS THE CHANCE: ASK TO YOUR NEAREST EELECTRON CONTACT

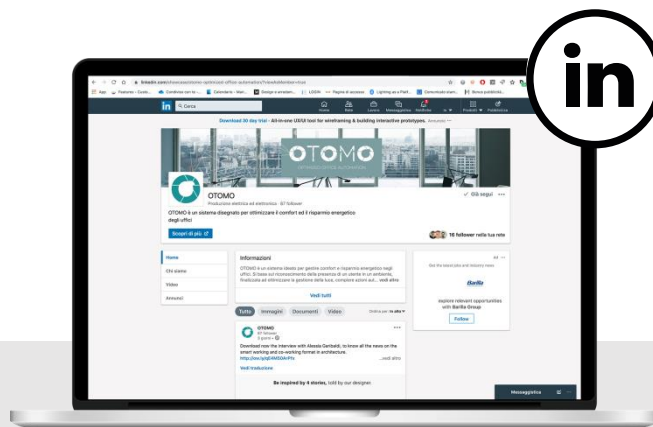
Ready and Available!



Discover more on otomo.Cloud

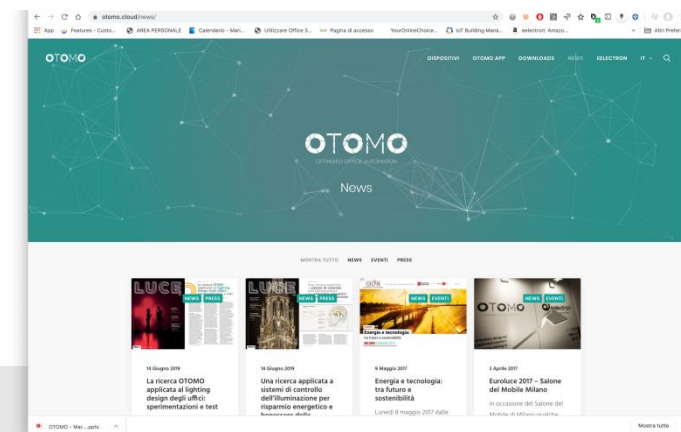


Youtube Demo Sessions



LinkedIN OTOMO page

otomo.app



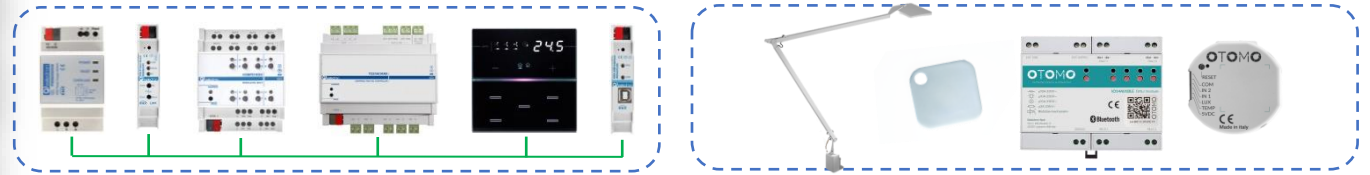
OTOMO website news > magazine

Technical & Sales Documentation and Demo Kits

PRODUCTS & SOLUTIONS CATALOGUES



DEMO PACKAGES & DEMOCASES



SIMPLE KIT FOR LAB TEST OR QUICK SHOWROOM SETUP

PLEASE **SUBSCRIBE TO OUR NEWSLETTER** TO KEEP YOU UPDATED!



<https://www.eelectron.com/en/newsletter/>

OTOMO Democase

- Now orderable, code CB00B02ACC
- Release to Ship: approx up to 6 weeks from order.
- Demo video available on Youtube:

<https://www.youtube.com/watch?v=kk1dcihRA0M> (EN)

<https://www.youtube.com/watch?v=AyuDL4TTag0> (IT)



CONTACT YOUR EELECTRON REPRESENTATIVE

Thank You!

Q&A

eelectron.com



<https://bit.ly/meetEelectron>

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Legnano (MI) Italy



Eelectron, with its branch offices in China, Dubai and Hong Kong and Spain distributes its systems in over 80 countries worldwide.



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