

LED EVENT

2017 BE 29-11-17
NL 30-11-17

Smart lighting systems connect intelligent buildings

Volker Barth
Tridonic GmbH & Co. KG

TRIDONIC



Key Figures



Established 1956 in Austria

Key figures FY 2016/17

- _ Turnover: €377.2 million
- _ Workforce: 1,590
- _ 68.6 % of turnover with new products (<3 years)
- _ >77 % turnover with LED
- _ Sales Offices around the world

For more information about Tridonic, please view our company video:

https://www.youtube.com/watch?v=xM_XvEJhgpA

Tridonic Segments

LED EVENT
2017 BE 29-11-17
NL 30-11-17

Retail & Hospitality



Spotlight Engine

Downlight Engine



Decorative round and linear Light Engine

Office & Education



Linear Light Engine

Emergency



Area Light Engine

Outdoor & Industry



Industry Light Engine



Street Light Engine

Controls & Connectivity



Indoor



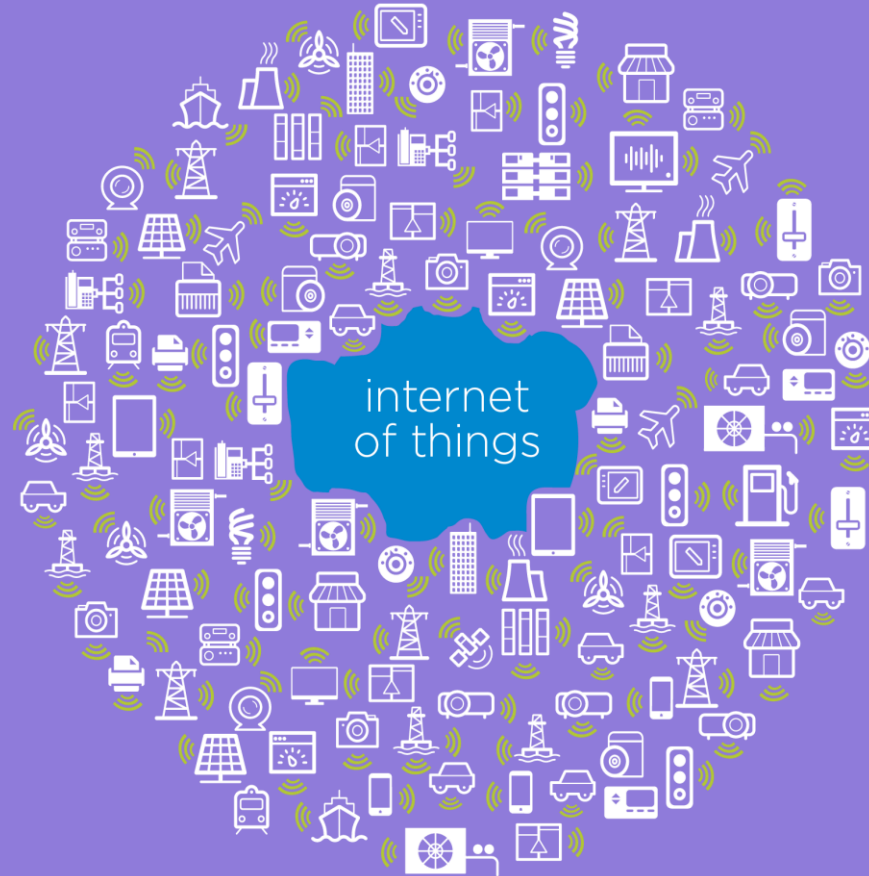
Outdoor

LED EVENT

2017 BE 29-11-17
NL 30-11-17

Cloud

Big
Data



Analytics

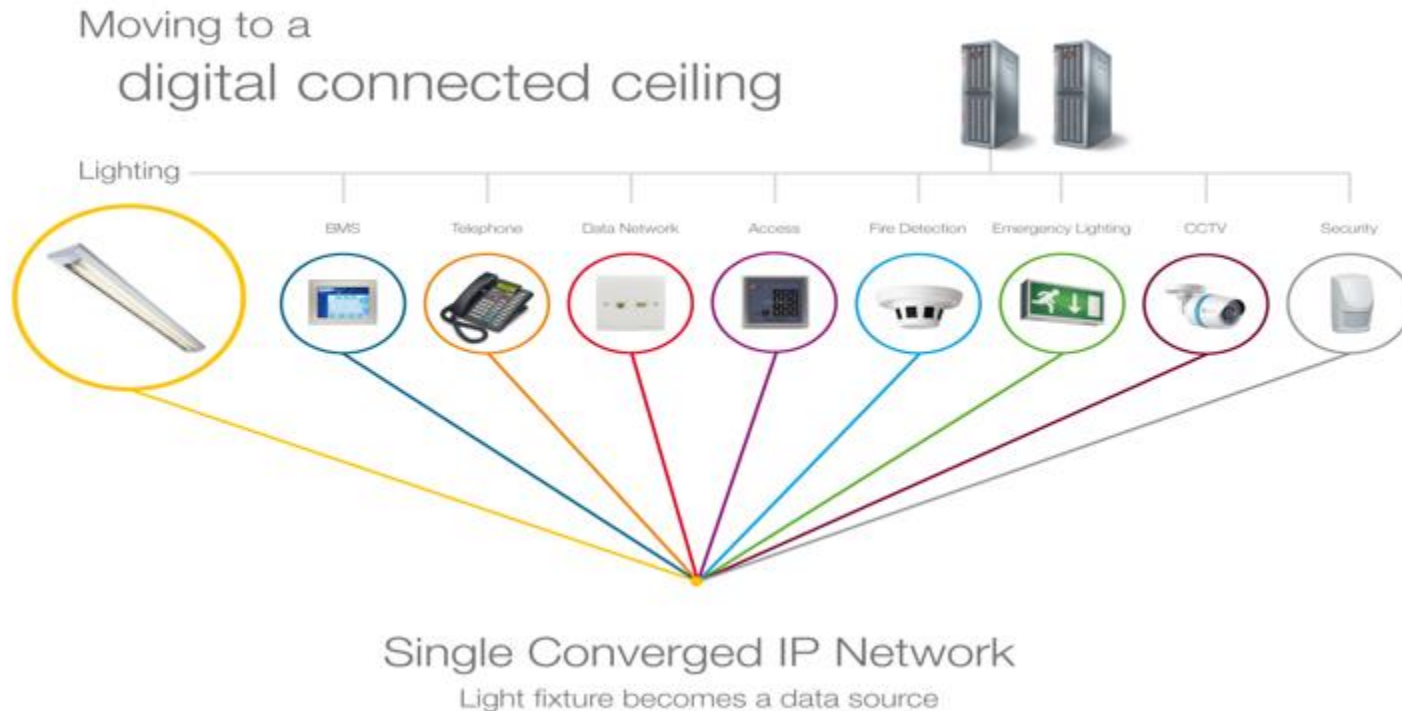
Mobility

Connectivity





Digital Connected Ceiling



Some actually discussed Use Cases



- _ Space utilization
 - _ Indoor navigation
 - _ Hot desk/Desk sharing
- _ Green Building
 - _ Building performance
 - _ Interconnection of building verticals
 - _ Predictive maintenance
 - _ Debugging
- _ User Experience
 - _ Intuitive usage of technology
- _ Firmware Update OTA (over the air)
 - _ Security- and functional upgrades

Interconnection of information with BMS „Presence“



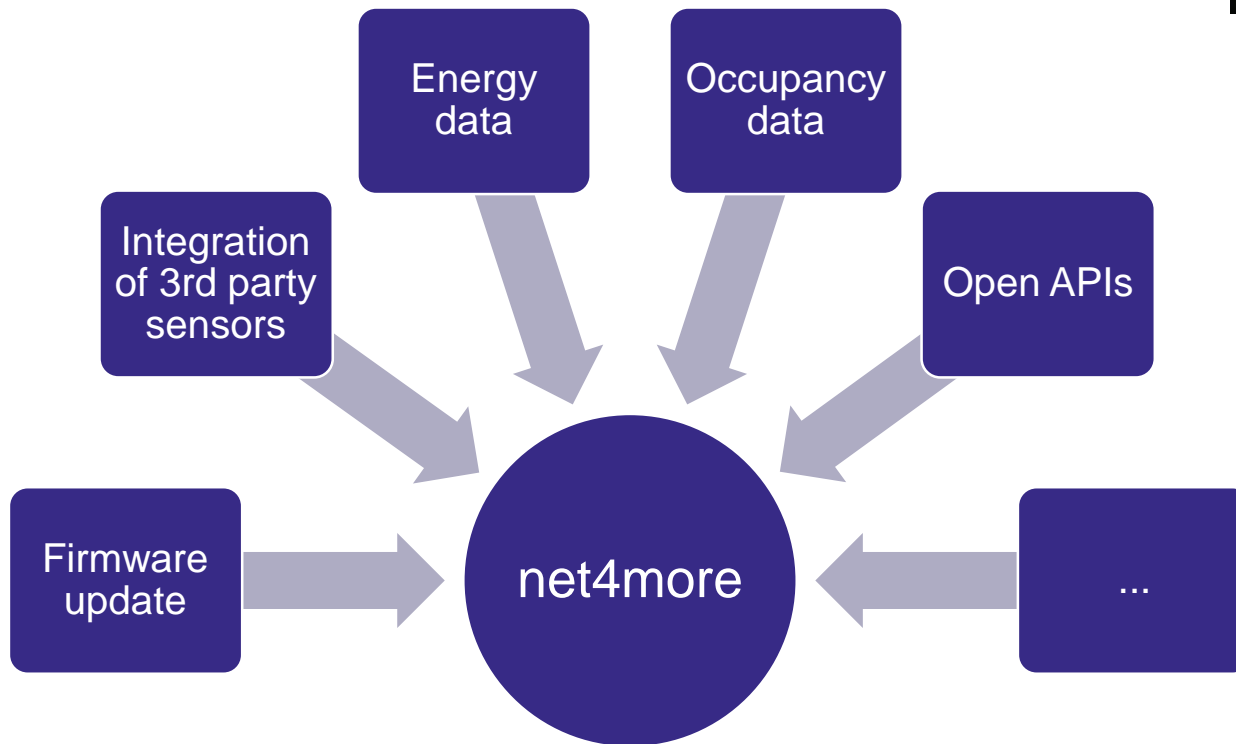
- _ Many lights receive a motion / presence sensor
- _ Light functionality
 - _ Sensor directly switches the lighting depending on movement
- _ Presence data (optimization of room usage)
 - _ Sensor sends the data of presence to the cloud (how often in this area, under this light)
- _ Heating / Ventilation / Air Conditioning / Blinds
 - _ Presence data is immediately transferred to the HVAC system and the room is set to “busy”. (Heating 2° C warmer, ventilation on, blinds down)

User experience



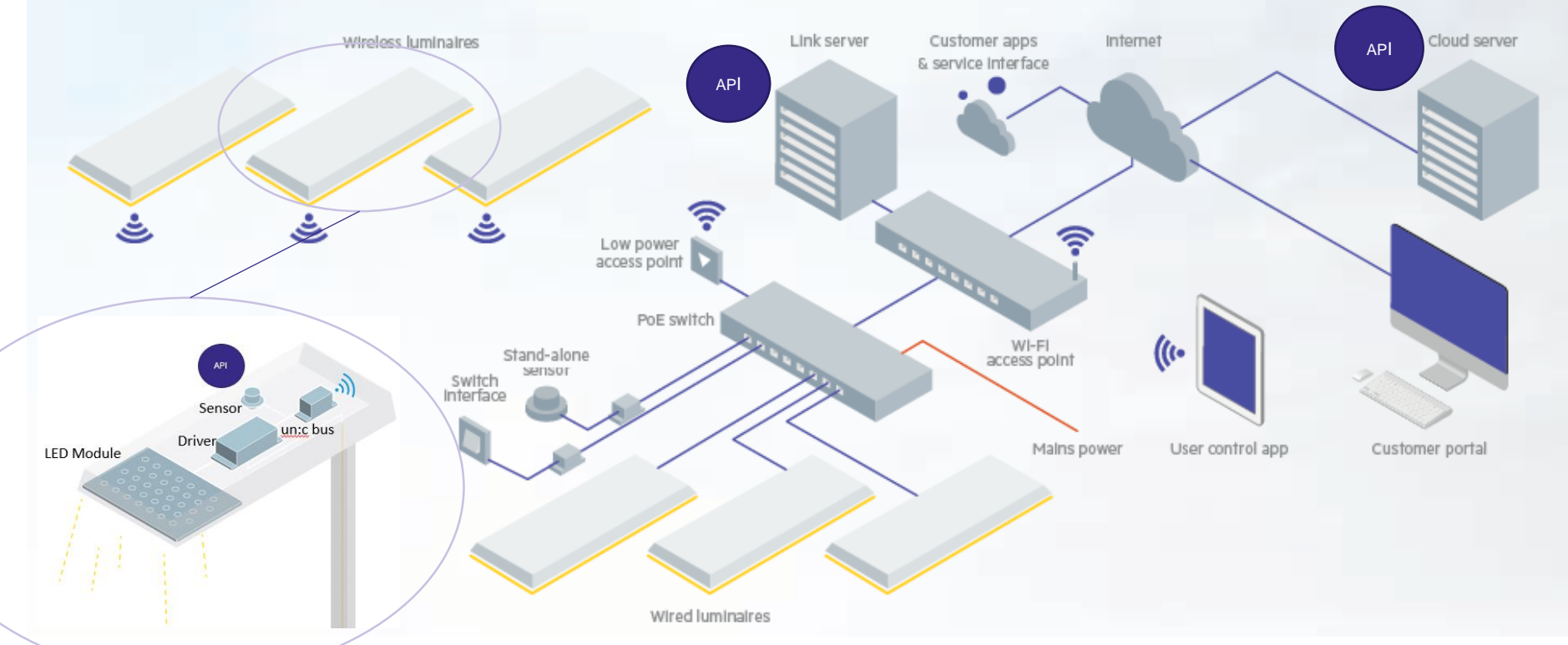
- Room control solutions, which used to be built as perfect individual solutions, are no longer up-to-date today
- The IoT offers the possibility to create a "room app" for the control of the complete room with heating, ventilation, shading, light, etc. via API-interfaces (Application Programming Interfaces) or SDKs (software development kits), which then can be setup by "user- experience "specialists.
- Help screens can also assist in the use

Which system provides that and even more?

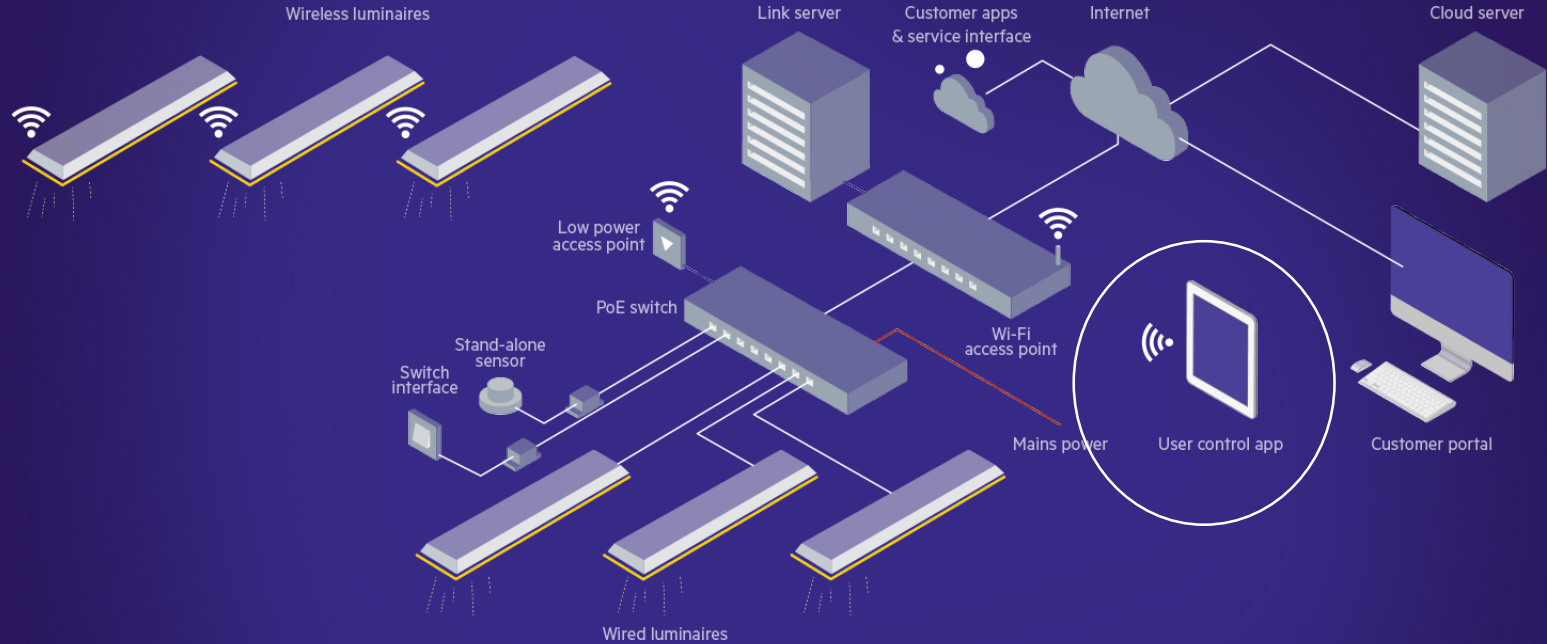


Scalable and open system architecture net4more from Tridonic

This is lighting and the IT Industry coming together on a horizontal architecture



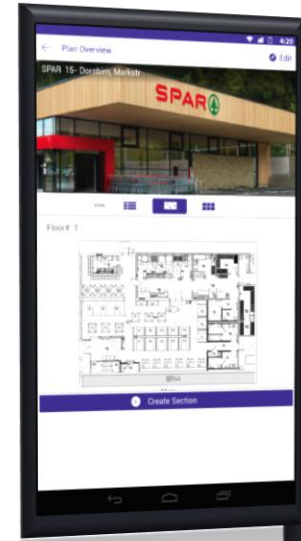
Easy to use pre-commissioning and commissioning tools



Software for planning, commissioning and control – PLAN & COMMISSION

Plan OFFSITE

Commission ONSITE



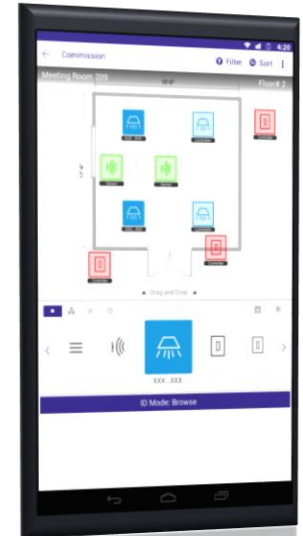
Create Location



Create Sections
Groups
Scenes
Recipes



Easy to setup



Connect to infrastructure and locate luminaires

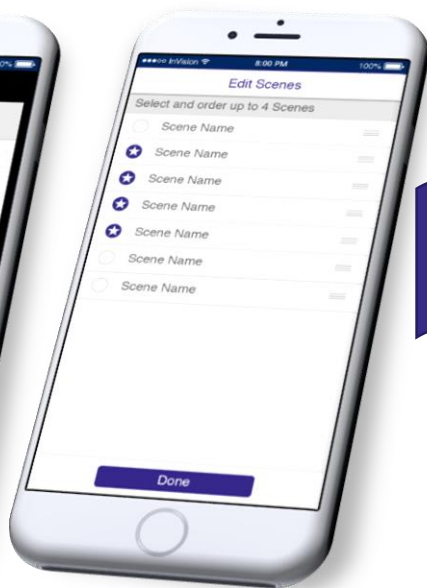
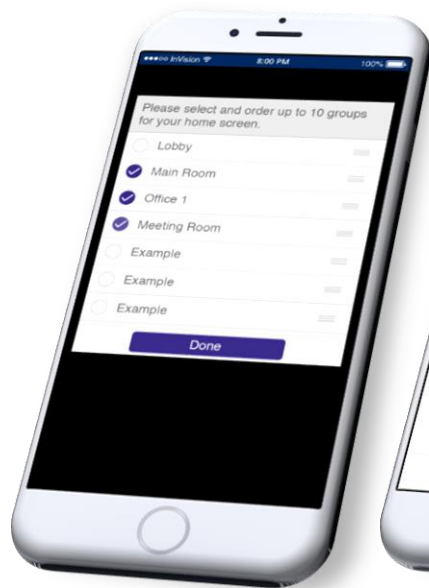
ANDROID

Software for planning, commissioning and control - CONTROL

Choose Groups

Choose Scenes

Ready to go

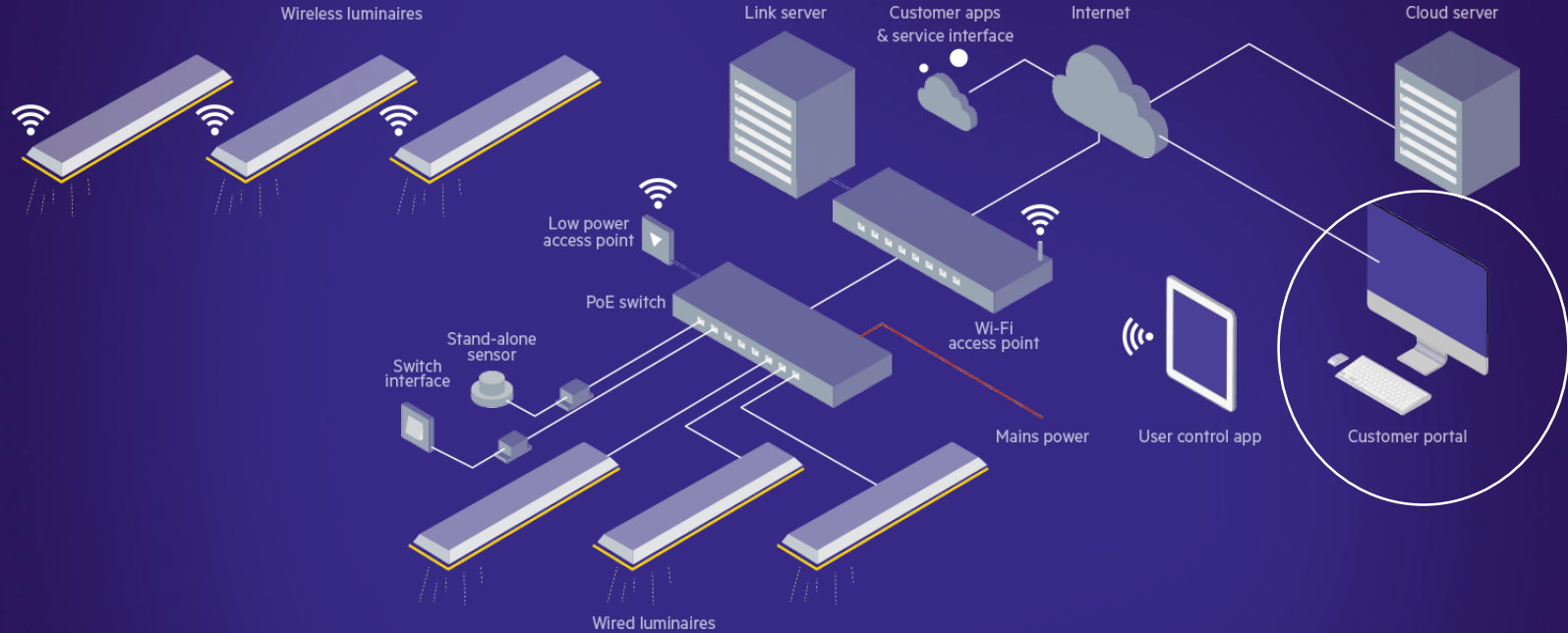


Easy to use

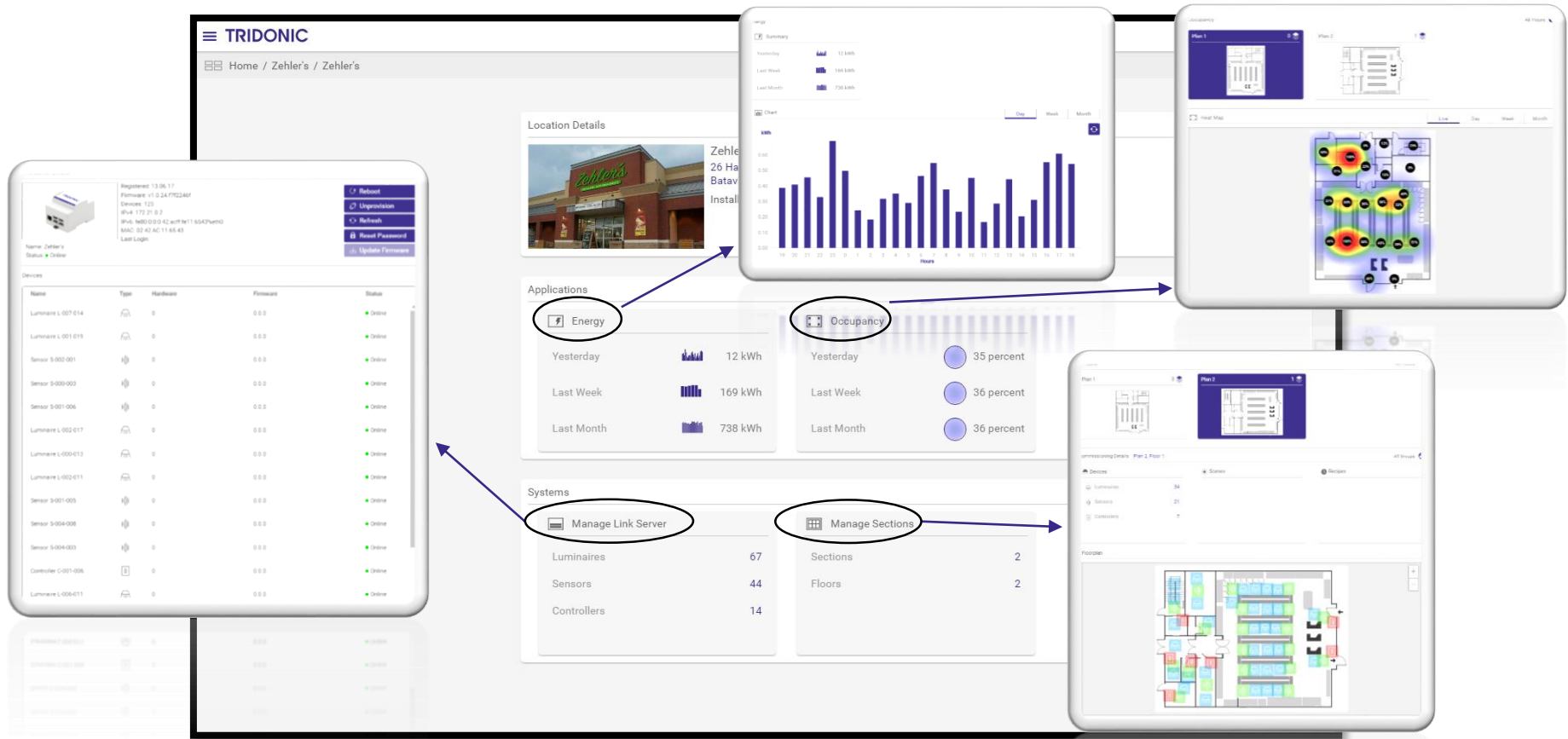


ANDROID / iOS

A Management portal to manage your devices



Cloud based management, data storage, analytics and visualisation – THE MANAGEMENT PORTAL





**For further information refer to homepage or ask directly
NOW!**

Volker Barth
Tridonic GmbH & Co KG
Färbergasse 15 | 6851 Dornbirn, Austria
T +43 664 80892 6707 | volker.barth@tridonic.com
www.tridonic.com

Light you want to follow.



TRIDONIC