

PHILIPS

Indoor lighting

Kureck, Germany



Connect to more energy savings

EasyAir intelligent sensors have created a state-of-the-art lighting solution for a mixed office and retail development in a unique district in Wiesbaden.

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The results

Thanks to close collaboration between hatec, ubisys and Signify, the building has a state-of-the-art lighting solution. The luminaires were provided by hatec and feature Signify's Philips EasyAir SNS300 sensors and Philips Xitanium SR drivers. Ubisys provided the software solution as well as the ubisys G1 gateways. Joint planning and commissioning ensured the project ran smoothly and was tailored to the architect's precise requirements.

“ Great teamwork resulted in a successful solution that shows what the connectivity of the future can look like. **As a team, along with Signify and ubisys, we were able to offer our customer an utmost flexible, scalable and updateable lighting and sensor solution.**”

Oliver Sander, Development Engineer, hatec

“ By creating an automated, sensor-based installation **we've added a new connected and digital layer to the building. The building can enhance itself based on its usage.**”

Andreas Pfefferle, Managing Director, hatec

The lighting challenge

The Kureck Ensemble is a collection of 14 buildings set around a square in Kurhaus, one of the most exclusive districts in downtown Wiesbaden, Germany. Taunusstraße 3 is a classic design with a contemporary twist. Designed by Max Dudler Architects, the 4000m² property has a fine, classic façade that accommodates high end, modern offices and retail spaces over five floors. The building's interior features cutting edge technologies for heating and ventilation, and required a lighting solution that would be equally impressive in terms of aesthetics and performance.

An intelligent, connected solution

We supported hatec to design an intelligent, connected solution that uses 192 LED luminaires, each with a Philips EasyAir SNS300 sensor and Philips Xitanium SR driver.

The complete solution is configured with nine ubisys G1 gateways - one for each tenant for maximum security and flexibility.

- Autonomous lighting management.
- Energy-saving features.
- Flexible solution that adapts to the individual needs of tenants.
- Easy to install with universal standards and excellent teamwork.



Sensor-based lighting

The solution allows motion-based control of each luminaire fixture, room-based control of luminaire groups, and timed schedules. The lighting also adapts continuously to provide the right light level for each space.



Future-proof

With universal standards, all the solutions work seamlessly together. The Xitanium SR drivers communicate with the sensors via the SR interface with no extra controls. The sensors and ubisys gateway communicate via Zigbee. Both can be updated remotely via Over-the-Air (OTA) updates with no hardware changes.



Flexible and scalable

More components and functions can be added to the system at any time and the software can be adjusted to suit the changing needs of tenants.



Energy efficient

LED and sensor controls reduce energy use by 70%. Motion detection and daylight harvesting reduce this even further by minimizing the unnecessary use of lighting to maximize energy savings.