

## **MICROSENS optimises large-scale lighting installations with the Central Smart Lighting Controller**

**Hamm, February 27, 2018 – The euromicron subsidiary MICROSENS extends its IP-based lighting solution "Smart Lighting" by a central LED constant power source. Particularly for scenarios with a large number of networked lamps, the 'Central Smart Lighting Controller' facilitates installation, maintenance, and reconstructing.**

Smart Lighting by MICROSENS is a decentralised, IP-based lighting solution for intelligent buildings. Here, standard network cables supply both electricity and information for energy-saving, dimmable LED lighting. This reduces the installation effort compared to conventional networked lighting solutions, since it is not necessary to carry out a separate and cost-intensive installation of a 230-V supply and control BUS.

### **Central Smart Lighting Controller**

The Central Smart Lighting Controller is a multi-port, constant power supply for up to 24 individually controllable LED lamps. Up to 50 W are supplied per lamp by means of standardised twisted-pair cables. The integrated control ensures the generation of uniform light and flicker-free dimming. Motion or presence sensors can be connected via four wired bus inputs. In addition, it is possible to integrate light switches or further sensors or actors via wireless communications into the system. Currently, the wireless communications standards EnOcean and IP500 are supported. With its fan-less design, the Central Smart Lighting Controller is ideally suited for the installation into a suspended ceiling or a 19" distribution cabinet. This makes it possible to easily expand the lighting installation or perform maintenance tasks.

The Smart Director, a MICROSENS building automation application, is installed on the Central Smart Lighting Controller. It manages and controls lamps and lamp groups according to predefined lighting scenarios. Additionally, the application integrates heating and shading into automation. Moreover, a superordinated software, the Smart Building Manager, administrates larger room units, whole floors, or complete building complexes.

### **Perfect for large-scale lighting installations**

The Central Smart Lighting Controller is the extension of the Smart Lighting portfolio, which is primarily designed for planners of large-scale lighting scenarios. That is why it is the perfect solution for open-plan offices, shopping centres, hotels, hospitals, and industrial environments. If the building is refurbished or reorganised with a new room layout, an operator can easily group the lights together logically at the click of a mouse.

At the Light + Building 2018 trade fair in hall 9.1 at booth E31, the Central Smart Lighting Controller will be presented to a broad audience of experts for the first time. In addition, MICROSENS will present its Smart Building

## **PRESS RELEASE**

Contact:

**MICROSENS GmbH & Co.KG**

Phone +49 (0) 2381/9452-0

Fax +49 (0) 2381/9452-100

[info@microsens.de](mailto:info@microsens.de)

**Jessica Theyssen**

Marketing Communications  
Manager

Phone +49 (0) 2381 9452-242

[marketing@microsens.de](mailto:marketing@microsens.de)

Solution by means of a walk-in office installation, along with a comprehensive portfolio of its network components.

For more information, please visit our Website at [www.microsens.com](http://www.microsens.com)

## **About MICROSENS**

Transmitting information via fiber optic connections offers numerous benefits. MICROSENS GmbH & Co. KG recognised this very early on. As one of the pioneers, the company has developed and produced high-performance communications and transmission systems in Germany since 1993. Individually matched to the demands of diverse usage areas and embedded in comprehensive concepts for individual sectors. But, above all, close to the customer. Technical challenges from customer projects are incorporated directly into product development. This way, IP-based automation solutions are created for modern buildings, cost-efficient network concepts for the office and workspace, robust and fail-safe solutions for industrial environments, optical transport systems future-oriented wide area networks and efficient coupling of sites and computer centres. Moreover, the companies affiliated in the euromicron group develop strategic applications and technologies for digitalized buildings, Industry 4.0 and critical infrastructures.

## **About euromicron:**

As a company group, euromicron AG ([www.euromicron.de](http://www.euromicron.de)) combines medium-scale high-tech companies from the sectors of digitalized buildings, Industry 4.0 and critical infrastructure. As a German specialist for the Internet of Things, euromicron enable their customers to network business and production processes and to successfully venture the path to a digital future. From the design and implementation over the operation up to combined services, euromicron implement customer-specific solutions and, thus, provide the necessary IT, network and security infrastructures. In this way, euromicron enable their customers to migrate the existing infrastructures to the digital age in a stepwise mode. The expertise of euromicron supports the customers of the company in increasing their flexibility and efficiency as well as in the development of new business models which set the cornerstone for the corporate success of tomorrow. The technology corporation, which has been registered at the stock market since 1998 and has its headquarters in Frankfurt am Main, employs approximately 1,800 employees at 32 company sites. The euromicron group includes 17 subsidiaries in total, among them the brands Elabo, LWL-Sachsenkabel, MICROSENS, and telent.