**The 2nd generation Smart Lighting Controller from MICROSENS optimises the interaction of IP networked lighting solutions**

PRESS RELEASE

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**Hamm, 13. July 2017** – With the launch of the 2nd generation controller, the Smart Lighting Systems from the euromicron subsidiary MICROSENS takes "intelligent networking" to the next level: This controller regulates the LED light and safeguards the data network with Power-over-Ethernet: With PoE+ even all the way up to 28 W – all this with a new, flatter design.

**Intelligent, reliable, decentralised: the MICROSENS Lighting Concept**

The MICROSENS Smart Lighting System offers a decentralised lighting solution for intelligent buildings. The special feature: Standard network cables simultaneously supply electricity and data for the energy-saving, dimmable LED lighting. In contrast to other networked lighting solutions, no time-consuming and cost-intensive installation of bus systems needs to be undertaken.

**The 2nd generation Smart Lighting Controller**

The Smart Lighting Controller represents the link between the LED lights and the Smart Engine, a decentralised control unit in the room. It incorporates the luminaire into the IP network and controls data traffic intelligently between the network, sensors, and lights. The controller ensures the correct power supply by transforming the operating voltage provided via PoE into an adaptive energy supply for the lights. There is also the possibility of connecting a Smart Sensor to the controller, acquiring data and transmitting environmental parameter data - such as brightness, temperature, motion, or even moisture - to the Smart Engine. It runs the Smart Director app, which evaluates the environmental parameters acquired, sends commands back to the relevant controller unit and adjusts the lighting accordingly. Standard functions like motion control or automatic dimming under direct sunlight are pre-installed and just need to be configured.

Each room can have different behaviours or so-called scenarios defined. As soon as the sensor detects certain environmental conditions, the system reacts autonomously. Alternatively, a gateway provides users with several options to regulate lighting as required, also via their PC or mobile devices.

The Smart Lighting System is a cornerstone of the MICROSENS Smart Building Solutions business unit and offers universal building automation solutions over IP. In this centralised approach, each room has an intelligent control unit, thus achieving the greatest possible scalability. The system is suitable for an individual conference room as well as for larger office buildings. Sensors and actuators can be flexibly linked via the appropriate gateways with a wired or wireless connection. This creates an extremely flexible and future-proof automation solution for modern buildings.

For further information, go to [www.microsens.com](http://www.microsens.com)

**Über 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.

**Über euromicron AG:**

euromicron AG (www.euromicron.de) that unites medium-sized high-tech companies from the fields of Digital Buildings, Critical Infrastructures and Smart Industry. As a German specialist for the Internet of Things, euromicron enables its customers to network business and production processes and successfully move to a digital future. From design and implementation, operation, to related services – euromicron implements customized solutions and creates the IT, network and security infrastructures required for them. As a result, euromicron lets its customers migrate existing infrastructures gradually to the digital age. euromicron’s expertise helps the company’s customers increase their agility and efficiency, as well as develop new business models that lay the foundation for commercial success down the road. The technology group is headquartered in Frankfurt/Main, has been listed on the stock exchange since 1998 and employs around 1,800 people at 30 locations. The euromicron Group comprises a total of 17 subsidiaries, including the brand names Elabo, LWL-Sachsenkabel, MICROSENS and telent.