

Press Release

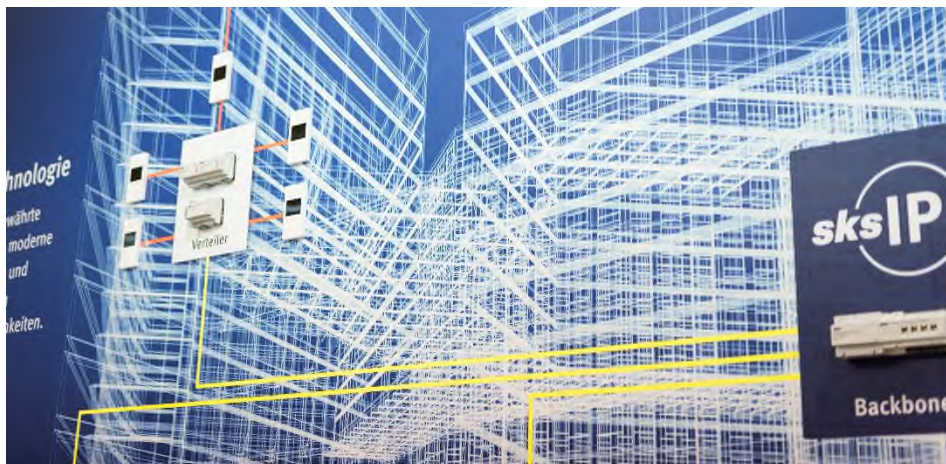
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Intelligent, connected and secure: smart buildings open up new possibilities

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Increasing urbanisation and the necessity of conserving resources demand intelligent, connected building services in so-called 'smart buildings'. Once the digital control systems are intelligently interlinked, they can make buildings more economic and more secure, as well as reducing their energy needs. Solutions for this will be on show at the world's leading trade fair in its field, Light + Building, in Frankfurt am Main from 8 to 13 March 2020.

In particular the connection of safety and security systems with each other and with other building services installations offers lots of possibilities. Even today, for example, alarm systems can already be maintained at a distance. These systems are frequently linked with personalised access control. If they are, additionally, linked to fire alarm systems, then, in the event of the fire alarm going off, it is possible to establish immediately whether all employees have left the danger zone or are still in there.



Light + Building: Intelligent, connected and secure. Smart Buildings open up new possibilities.
 Source: Messe Frankfurt / Kirschner Kutt

→ [Comprehensive technical article on the subject at:
 www.light-building.com/connected-security](http://www.light-building.com/connected-security)

Other imaginable scenarios are still things of the future: building users with mobile devices or other connected 'wearables' receive a personal warning in dangerous situations and their smartphone, which is linked to the building automation system. The mobile device then displays a safe escape route out of the building, via an indoor navigation system. An adaptive escape route guidance system evaluates information from the

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connected mobile devices and avoids dangerous bottlenecks in the escape routes thanks to an intelligent regulation / alteration of the dynamic escape-route signage.

Greater security and efficiency

When systems are linked effectively with one another, modern building services engineering pays for itself in economic terms, too. The combined use of sensors, security systems and building services opens up opportunities for additional functionality. So, for example, the movement sensors of the burglar-alarm system and the temperature sensors of the fire-alarm can, together, provide valuable data, which can then be used to regulate the ventilation in a building.

A precondition for the seamless and efficient functioning of models like this is interdisciplinary digital planning and prioritisation that spans all the installation trades, together with universal standards for everyone involved in the design and operation of the systems. At the same time, high levels of IT and cyber security and good data protection are indispensable, if the security systems are to be protected from unwanted consequences in the network and malicious cyber-attacks from outside.

Top theme: 'Connected Safety and Security'

Connected safety and security will be occupying an important place amongst the top themes of Light + Building 2020. As a result, there will be exhibitors from a wide range of building-services-related trades, such as emergency lighting in Hall 8 and building automation in Halls 9, 11 and 12.

In addition, 'Intersec Building', the international platform for connected security technology, will cover relevant ranges of products and services in Hall 9.1. As well as the presentations of leading exhibitors, it will include the dedicated specialist conference, 'Intersec Forum'. In the forum, some 80 experts will, over the six days of the conference, share their experiences and outline the challenges they have faced. Admission to the conference is included in the price of the ticket for Light + Building.

Light + Building, together with 'Intersec Building' will be held from 8 to 13 March 2020 in Frankfurt am Main.

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Light + Building
The world's leading trade fair for lighting
and building services technology
Frankfurt am Main,
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Background information on Messe Frankfurt

Messe Frankfurt is the world's largest trade fair, congress and event organiser with its own exhibition grounds. With more than 2,500 employees at 30 locations, the company generates annual sales of around €718 million. We have close ties with our industry sectors and serve our customers' business interests efficiently within the framework of our Fairs & Events, Locations and Services business fields. One of the Group's key USPs is its closely knit global sales network, which extends throughout the world. Our comprehensive range of services – both onsite and online – ensures that customers worldwide enjoy consistently high quality and flexibility when planning, organising and running their events. The wide range of services includes renting exhibition grounds, trade fair construction and marketing, personnel and food services. Headquartered in Frankfurt am Main, the company is owned by the City of Frankfurt (60 percent) and the State of Hesse (40 percent).

For more information, please visit our website at: www.messefrankfurt.com

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