

Interview Karl Heinz Belser

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Side by side: Two conferences for reliable building operation with BACnet

This year the "BIG-EU Twin Conference" unites two groundbreaking conferences under one roof: the *BACnet Cyber Security Conference* and the *BACnet City Center Conference*. Both will take place on September 26 and 27, 2019 in parallel at the Frankfurt Airport. Whether for multifunctional buildings, shopping centers or shopping malls, both events will focus on innovations and success stories in building automation. In our interview, Karl Heinz Belser, CEO of BACnet Interest Group Europe e. V. and Key Account Manager Building Technologies & Solutions at Johnson Controls, talks about the two conferences.

What awaits the participants at this year's "BIG-EU Twin Conference"?

The **Cyber Security Conference** revolves around security solutions for Smart Buildings. Because BACnet is a driver in many digitization projects and building operators ask themselves: "How can I actively protect my building against unauthorized manipulation and criminal hacker attacks?" Our experts will present new security concepts and innovative solutions for digitally networked buildings. At the conference, you we will experience what cyber security in buildings will look like in the future. The opening keynote given by the Fraunhofer Institute for Secure Information Technology will explore the question of what challenges IT security will

face and what solutions could look like in building automation. The extension of the BACnet standard to include Secure Connect is also an important topic which will be covered by a presentation by the BACnet Standardization Committee.

At the **City Center Conference**, the topic "Planning without borders" is at the top of the agenda. Multi-purpose buildings are becoming increasingly complex. At the conference, participants will learn first-hand how such multifunctional buildings can be comprehensively designed and developed. Our experts will present customer-specific applications from the T-Rex hybrid high-rise in Frankfurt, the groundbreaking One Albert Quay in Cork, Ireland, and other shopping malls, service buildings, and city centers.

Will participants also be exposed to practical examples?

Of course, this is a very important point for us during these two days: It's all about the direct exchange of best practices from Europe and around world! The main focus will be on practical examples. The keynote speech given by the planning company, Carpus+Partner, at the beginning of the City Center Conference provides answers to the question of what innovative design and digitization for productive working environments will look like.

Current hot topics are "AI" and "CO₂ savings": What is planned for these two conferences?

BACnet offers the great advantage that it is an open communication standard for building automation and enables cooperation between different manufacturers and systems. Its market share in building automation is 64per cent worldwide. This figure speaks for itself.

A lecture will therefore concentrate on the question of how BACnet serves as the backbone of building automation and how intelligent control algorithms based on AI and Deep Learning can be integrated into building automation. We look forward to this discussion.

Using BACnet, city centers can be operated in an ecologically and economically viable way. For this reason, we will explore applications for

CO₂ reduction, the reliable operation of building systems, as well as the safety and comfort of facility managers throughout the two conferences. The use of BACnet technology supports building operators in achieving possible energy savings in order to meet their climate objectives. Visitors to both conferences will learn this directly from the presentations and accompanying discussions.

The two conferences – "BACnet Cyber Security" and "BACnet City Center" – will take place simultaneously at the HOLM at the Frankfurt Airport. Can a participant switch from one event to another and back again?

Yes, please do. Those who have identified their preferred presentations at both conferences are welcome to "conference hop", attending precisely the lectures they are most interested in, in order to find answers to their urgent questions in building automation. We are looking forward to two interesting days in Frankfurt! Further information on the Twin Conference can be found at <https://buildingautomationconference.org/>



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