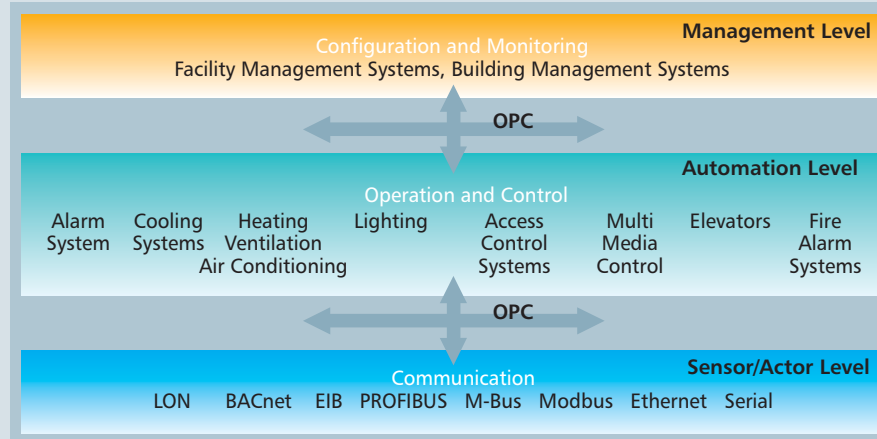


OPC in Building Automation

Easy and Fast Kick-Start to OPC

Product Information



Opportunities for Manufacturers in Building Automation

Generating profits despite the upward pressure on costs is becoming more and more difficult. Standards can help you here: Open up whole new possibilities of integration into highly diverse building automation (BA) projects and increase the sales opportunities for your products with OPC. Save vast time and costs by developing and maintaining only one communication interface – OPC. More and more manufacturers of building management systems (BMS) have come to use the OPC interface for integrating subsystems and components. With Softing as your partner, you, too, can get a secure and cost-effective kick-start to OPC.

Building Automation Today

Modern building management today requires a building management system (BMS) that monitors and operates all the technical facilities of the building (heating, ventilation and air conditioning systems, access control systems, lighting, and other equipment) to the greatest possible extent. Buildings today are equipped with subsystems from various manufacturers. Data exchange is performed using a vast range of different protocols and fieldbuses. As a result, considerable time and costs need to be invested in developing and maintaining many special software interfaces in order to integrate components from different manufacturers into the BMS. The project planning, configura-

tion and maintenance of these interfaces is also very time- and cost-intensive due to the use of proprietary engineering tools. Project- and customer-specific expansions are difficult to implement.

"For our OPC Clients and Servers, we place special emphasis on compatibility. The OPC Toolbox from Softing gave us a fast and secure kick-start to OPC technology".

Dr.-Ing. Sabine Daeche, Head of Product Development, Bosch Sicherheitssysteme GmbH

Your Benefits

- Quick time-to-market
- Full OPC compliance
- Great ease of use
- Royalty-free runtime licenses
- Updates and support included
- Free demo version
- For Windows, CE, Linux etc.
- OPC Data Access
- OPC XML DA
- OPC Alarms and Events
- OPC Security
- OPC Unified Architecture (from 2007)



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Product Information

OPC in Building Automation: Easy and Fast Kick-start to OPC

What is OPC?

OPC (Openness, Productivity & Collaboration) is a standard by the OPC Foundation. It bridges the communication barriers between software applications (visualization software, supervisory control systems, etc.) and different devices. OPC provides uniform access to process data and alarm and event messages on the field level as well as to data on the company level (facility management systems, information systems, etc). OPC ensures the easy and uniform integration of subsystems from different manufacturers into a manufacturer-independent and open BMS. OPC allows leveraging the vast variety of specialized bus systems and provides great freedom in the choice of automation components for BMS expansion. More and more building automation manufacturers meanwhile offer OPC-capable BA components.

OPC – Standard in Building Automation

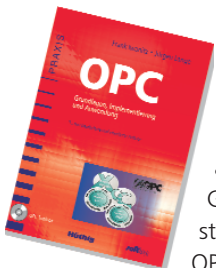
The ZVEI's "Open Interfaces" Working Group has developed a concept covering fire alarm, fire fighting and burglar alarm systems as well as video monitoring and access control systems. In this concept, OPC is defined as the interface from these systems to the alarm management systems. The concept also stipulates the application of the OPC Security Interfaces definitions laid down by the OPC Foundation in the OPC Security specification.

The "Arbeitskreis Maschinen und Elektrotechnik staatlicher und kommunaler Verwaltungen (AMEV)" Working Group, which is in charge of the machinery and the electrical installations in municipal and state administrations in Germany, has included OPC as the interface standard into its building automation recommendations. The support of OPC will become essential for the manufacturers of BA components if they are to successfully market their products.

Softing Competence

Softing has been a member of the OPC Foundation from the very beginning. A member of the European Steering Committee and an active participant in OPC Working Groups, Softing plays a significant part in OPC standardization.

OPC Servers developed by Softing are used in thousands of installations worldwide. Softing offers a comprehensive training program for the users and manufacturers of OPC products and has published a book on OPC technology with the German Hüthig Verlag.



The OPC book, which is available in English and German, has already sold 8,000 copies

OPC – Development Tools and Services

Various BA manufacturers, such as Bosch Sicherheitssysteme, Siemens, ICONAG, Interflex, etc., use OPC technology from Softing. Widespread OPC products in building automation, such as LON, EIB, BACnet and Wago Modbus TCP/IP OPC servers, Bosch Building Integration System (BIS), Softing 4CONTROL Building and other building automation systems, have been implemented with the help of the Softing OPC Toolbox.

"With the help of Softing's OPC Toolbox it took us just a few days to develop our LNS-based LonWorks OPC Server for the OPC DA Server 2.05A and DA Server 3.0 specifications. The OPC Toolbox enabled us to focus the majority of our development capacities on the LonWorks area."

Andreas Banz, Manager of who Ingenieurgesellschaft mbH



With Softing as the leading provider of OPC technology and know-how, you get a secure and cost-effective kick-start to OPC. Softing – excellence in OPC!



OPC technology from Softing is 100% compliance tested