



The all-round BACnet building management solution.

Recognised expertise from SAUTER.

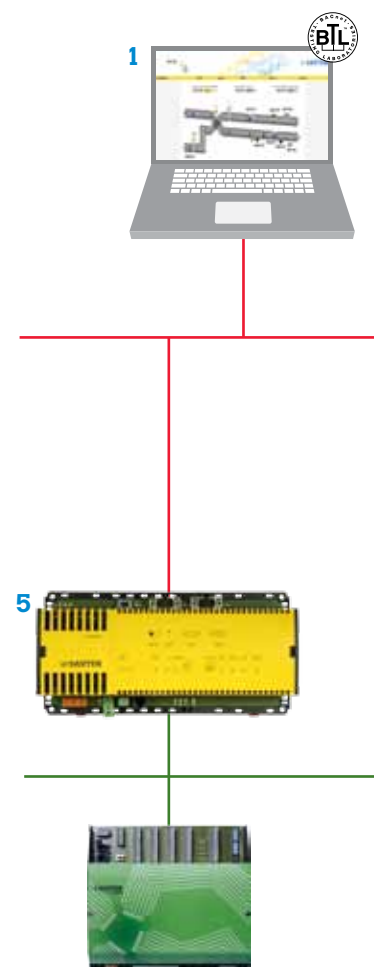
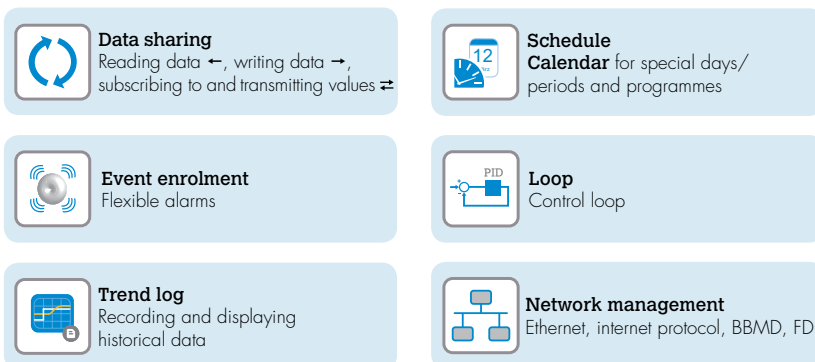
BACnet as an open communication standard in accordance with EN ISO 16484-5.

Since October 2003, BACnet (Building Automation and Control network) has been the world-wide ISO standard 16484-5 for open communication in building automation. SAUTER creates BACnet projects from their very beginning, providing project investors with excellent security for the future.

Openness completely integrated with full functionality.

BACnet has the job of supplying the management level with process data from the automation stations. The new modular family of systems, SAUTER EY-modulo 5, integrates BACnet communication in the modu 5 automation stations and ecos 5 room automation stations. The automation stations become BACnet Building Controllers (B-BC) and can be planned with the SAUTER CASE Suite engineering software.

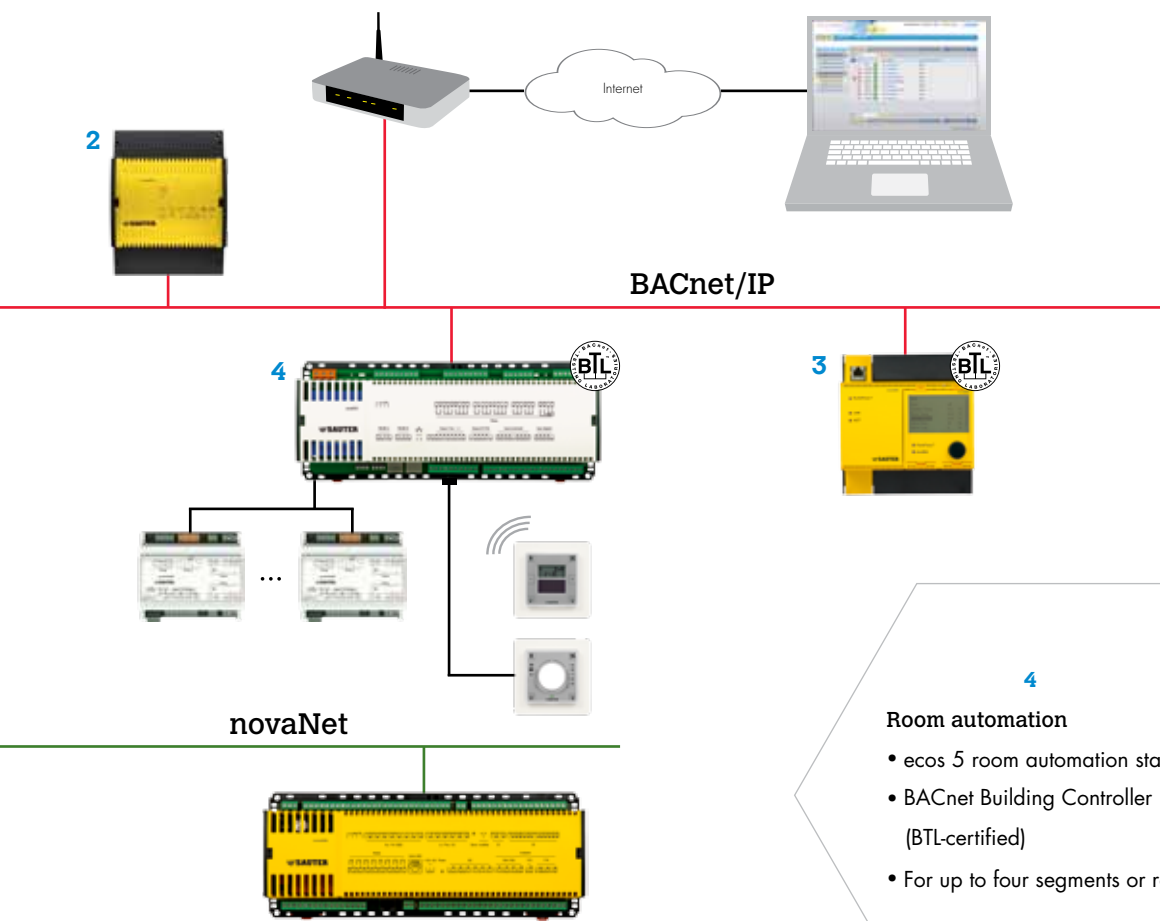
The existing SAUTER EY3600 system and the EY-modulo 2 system family with the novaNet system bus can be integrated into the open BACnet world using the moduNet300 application master. SAUTER has consistently put the object-orientated BACnet approach into practice and implemented the complex objects and functions:



BACnet has long been the first choice for SAUTER, so customers have **security** for the future.

Use of existing network structures.

Preferred projects for BACnet are building complexes spread over a wide area which have been constructed or renovated over a period of several years. The existing network is normally used for data transmission and is provided and maintained by the operator himself. BACnet uses network management services to transmit to all subscribers (broadcast). They can be processed by standard IP routers to connect various networks, in which either the 'on board' BBMD function (BACnet Broadcast Management Device) or the FD function (Foreign Device) of the automation stations is used.



BACnet

- Data sharing
- Alarms, scheduling, trending
- Device management
- Networking (BBMD/FD)
- Loop, HVAC, RA
- ...

3

Building automation

- modu 5 automation stations
- BACnet Building Controller (BTL-certified)
- For primary energy requirements
- Extensible using additional modules
- ...

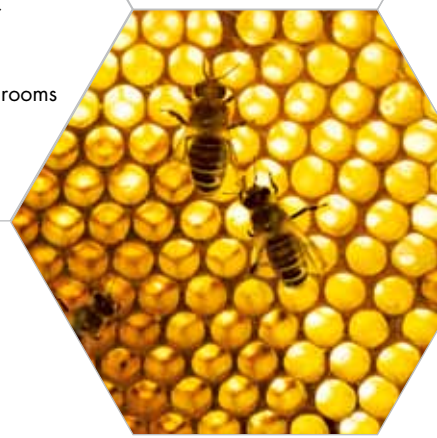
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Room automation

- ecos 5 room automation stations
- BACnet Building Controller (BTL-certified)
- For up to four segments or rooms
- ...

Automation station as a BACnet client and BACnet for peer-to-peer data exchange.

In addition to using the automation stations as BACnet servers, peer-to-peer services are available for exchanging data between the automation stations.





1

**SCADA management system
SAUTER novaPro Open**

- BACnet Advanced Operator Workstation (BTL-certified)
- Alarms, trend log, user management
- Openness due to driver architecture
- ...

2

**SAUTER moduWeb Vision
web management system**

- Web-based operation and visualisation
- BACnet client
- BACnet structured view
- ...

5

System integration

- moduNet300 application master
- SAUTER EY3600
- SAUTER EY-modulo 2
- ...



SAUTER EY-modulo 5 – functional reliability with BTL certification.

The EY-modulo 5 system family comprises automation stations with communication capability based on the open communication protocol, BACnet. The common network technologies, Ethernet and internet protocol (IP), are the means of communication for these automation stations. The modu 5 and ecos 5 automation stations communicate by using standard network components as a BACnet Building Controller (B-BC). They benefit from the latest processor technology and use the Linux operating system. This makes the stations open for future applications and extensions.

SAUTER novaPro Open – BTL-certified BACnet Advanced Operator Workstation.

The BACnet driver for novaPro Open has been developed following the instructions from the best BACnet specialists at SAUTER. The SCADA management system features the BACnet integration functions such as communication drivers based on BACstac™ 6, automatic tag generator, user-friendly management interface, complete integration with a web scheduler for BACnet schedule and calendar objects, and automated, complete integration of BACnet alarms and events in the novaPro Open alarm system. The management platform automatically detects all the BACnet devices connected and easily generates the structure of the application.

Company-specific solutions and BACnet growing together.

Existing SAUTER systems with the novaNet system bus can also be integrated into the open BACnet/IP world using the moduNet300 application master. The EY-modulo 2 and EY3600 stations are detected directly by the moduNet300 application master and BACnet objects are created automatically. Further BACnet functions enable the application master to perform as a B-BC. The ability of the SAUTER EY-modulo BACnet and IP product range to communicate openly enables diverse and special integrations and migrations to be performed – for a sustainable investment in the future.



Quality and reliability certified.

SAUTER has many years of proven expertise in BACnet and is represented on several technical BACnet committees. BACnet Test Laboratory (BTL) certificates are proof of the excellent quality of the BACnet functions in SAUTER products and guarantee open communication and interoperability. Proof of standards and assured functionality provide reliability during planning and operation.

For example, SAUTER novaPro Open 2013 was Europe's first building management system software to be awarded B-AWS certification in accordance with ISO 16484-6 and BACnet Test Plan version 9.

Numerous BACnet projects throughout the world are testimony to SAUTER's know-how.



Systems

Components

Services

Facility Management

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