

OPENweb

Efficient controlling at the highest level.

DEOS
AUSTRALIA

Technology for intelligent buildings

OPENweb.

Secure, networked, powerful.



OPENweb at a glance.

Would like to have your building service facilities reliably monitored and efficiently controlled by your control room at all times? Messages to be immediately visualised and logged in a history? **OPENweb** makes it possible.

Our web-based BACnet BMS software for Building Automation Systems is installed on your PCs or high-performance server depending on the system size. The information, however, is displayed centrally via the Internet or intranet. You can either use your standard browser (Internet Explorer Firefox) or the DEOS proprietary visualisation program **OPENweb** Control Panel. Using **OPENweb** Control Panel makes you independent of the updates of your browser provider.

You then need network access to the **OPENweb** server and you can successfully optimise energy use by accessing your monitoring and control devices through your network, WLAN or the Internet via Android smartphone, tablet or PC.

Efficient Building Management Systems were never this secure and so effectively networked.

OPENweb is simple and precise.

Easy to understand graphic displays and touchscreen navigation ensure intuitive operation, monitoring, history logging and message forwarding. This makes it possible to set parameters and remotely query OPEN controllers easily and precisely.

Using the mouse, simply select all temperature controllers, switching states, loads, etc. and enter the logging interval. The selected data is then saved, logged and archived as a trend in a history. In conjunction with an OPEN EMS controller, **OPENweb** enables you to easily, reliably and conveniently control and visualise KNX systems for light and shading control.



OPENweb supports your unique requirements.

OPENweb can be customised to meet your requirements and individual user rights, thus offering unique user friendliness. Whether it involves access, the volume of information or the graphic display, the state-of-the-art web server technology allows the user interface to automatically adjust to the requirements and skills of the individual users via the controller structure.

And, of course, it's all open.

OPENweb is a genuine BACnet BMS that integrates plants and systems of different manufacturers and ensures communication between bus systems and products using standardised interfaces. You simply define the destination and source to exchange data via SQL, OPC, M-bus and MODBUS.

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The basic package, in all its details.

Log book

- User-specific security access levels
- Assignment of individual views
- Logging of user logins, logouts and operations with date, time and user name
- Logging of parameter changes with date, time, old and new value carried out using **OPENweb**

Trends

- User-specific security access levels
- Graphic representation and recording of trend data
- Unlimited number of trends in each diagram
- Free and individual selection of trend data from different controllers

- Free configuration of the ordinate for each trend curve
- Zoom function for the clear visualisation of subsections
- Print function
- CSV export for further processing with external programs, e.g. Excel
- Logging the trend data in a history when values change
- Freely configurable query interval for each data point
- Automatic connection setup for local OPEN EMS controllers



Graphical process visualisation

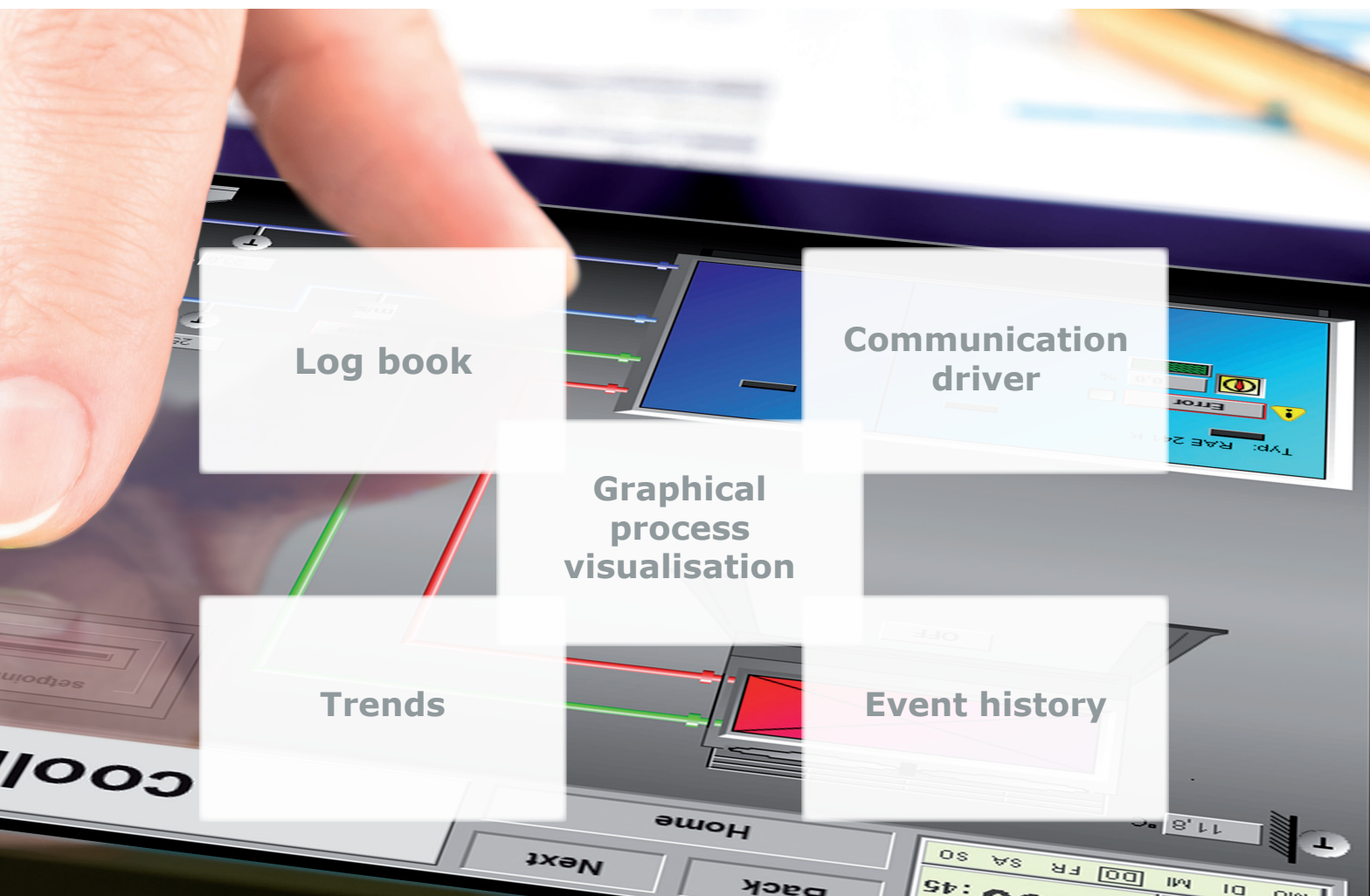
- Individual representation of installation graphics
- Process-orientated animation of graphic objects
- Number of supported graphic formats: vector graphic WMF, JPG, PNG, GIF, animated GIF
- Representation of system graphics with graphic objects for the visualisation of target actual and event data as images, sliding controls, columns, texts, lines, color objects

Communication driver

- Proprietary TCP/IP standard connection (intranet or Internet)
- Proprietary TCP/IP connection on demand (intranet or Internet)
- Remote data transmission (e.g. via modem)
- BACnet/IP (expansion module)

Event history

- Automatic history of events and messages



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Optional and expandable with modules.



Event server

The event server organizes and manages the messages. Individual user profiles ensure that the message is always sent to the right place.

- Alarm and message system
- Alarm via SMS, e-mail, fax, etc.
- ESPA-X protocol (Enhanced Signalling Protocol for Alarm Processes)

ESPA-X protocol

It is a TCP/IP and XML-based communication protocol for controlling wireless paging installations. Through the ESPA-X service in the event server and an external ESPA-X server, the following additional functions can be activated:

- Text-to-speech, reading-out of text messages on mobile and landline phones
- The event server receives a real transmission confirmation. Therefore one of the pushbuttons on the terminal has to be pressed as confirmation (depending on the type of ESPA-X server).

Event Control Center

The Event Control Center (ECC) is the central software for displaying and handling alarms and messages. It provides the ability to configure user-specific views for the display and therefore shows all relevant information directly to the user. In addition to the chronological recording the acknowledgements, it offers many more options for filtering and processing alarms and messages.

- Managing, displaying and processing alarms and messages
- Interface then can be configured for specific users



Fidelio hotel booking system

This module makes the room allocation such as Check-In, Check-Out and Pre-Check-In available as BACnet object. Each BACnet device in the network can access on this information. Automatic selection and alignment of the room allocation on system start.

- Software module for linking the Fidelio hotel booking system to OPEN EMS via BACnet protocol

And, of course, with maximum flexibility.

OPENweb can be expanded individually, thanks to its open architecture. If you are looking for a special application, we can easily develop additional interfaces and implement them to meet all of your specific requirements. **OPENweb** is the customised solution finder for your control system.

Technology for intelligent buildings

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