



## **BACnet products in heterogenous systems**

### **BACnet integration show demonstrates manufacturer independent data communication**

**Dortmund, 19.04.2006 – the range of BACnet components for open system architectures is growing. Manufacturers are focusing on integrated systems from the management level down to controllers at the automation level and components of the field level. At light+building, 23-27 April 2006, they are demonstrating live the manufacturer independent data communication.**

**The BACnet integration show will take place on the BACnet Interest Group Europe (BIG-EU) stand in hall 9.1, B55.**

The ACH550 drive of **ABB automation products** especially designed for HVAC applications offers optional BACnet support with direct connection to the MS/TP LAN. The drive can be controlled completely via BACnet, all MS/TS baud rates as well as the master functionality are supported. Additionally, 16 configurable I/Os are available via BACnet.

**ABB Gebäudetechnik** plans, delivers, engineers and installs BACnet devices, from operator workstations and automation controllers to sensors and actuators located in the field, independent of the physical medium (Ethernet/IP, MSTP,...). Neither is it a problem for the group to integrate other manufacturer's standards such as LON®, EIB, Modbus or even proprietary systems.

**Delta Controls** offers the world's first fully integrated system of BACnet solutions for HVAC, Lighting and access. This integrated suite of seamless control products delivers a simplified yet powerful top-to-bottom architecture. As a result, building managers can control equipment from multiple manufacturers across multiple facilities from a single local or remote workstation.

The **GFR DIGICONTROL®** ems 4 "economic modular system" is an "interdisciplinary", highly flexible BACnet-capable automation system. ems 4 distinguishes itself from competitors by its high speed, generous hardware dimensioning and overall concept



comprised of small and specific modules. The native BACnet Device Controller guarantees interoperability of different systems by different manufacturers.

The **Honeywell** Excel Web DDC system fully leverages from open standards such as LINUX, BACnet and LonMark. The build-in web server allows for configuration and operation through a simple web browser. The Honeywell Enterprise Buildings Integrator™ is the ideal platform when it comes to integration of all technical functions with in a building and is also a BACnet Operator Workstation.

**Kieback&Peter** offers a spectrum of BACnet products that ranges from the GLT Building Management System to the DDC4000 system and the compact Bus Module Controller (BMR). The GLT Building Management System connects different systems together into single interoperable units. The DDC4000 digital control system fulfils all operation, optimization, control and monitoring functions.

The **MBS** BACnet Dataserver is an intelligent I/O device for de-central data acquisition. Foreign facilities may be connected over modem (BACnet/PTP), direct access is provided by BACnet/IP. Local access or configuration is provided by the internal webserver.

The **Messner** BACnet controller miles-AS29/B is an autarkic automation station speaking native BACnet. It handles up to 768 physical data points. In July 2005, it passed the tests of the WSPLab, Stuttgart, and is allowed to use the BTL logo. The BACnet BMS miles-view centralizes the data traffic of the 20 third-party systems at the BACnet booth and visualizes current values, states, and messages.

Aside from the native BACnet Controller COSMOS 4000 OPEN for up to 4000 BACnet objects, **Plüth** now also present the BACnet Controller COSMOS 800 OPEN for medium and small applications. Further to this, Plüth also presents BACnet GLT COSMOweb which serves as the centre for all BACnet devices at the BIG-EU Stand.

On the BIG-EU stand, **PRIVA** shows that as well as providing HVAC control, BACnet is also an excellent tool for personal lighting and sun-blind management, via the PRIVA Individual Room Controller. With the Comforte CX, these building functions can be



combined into one single compact controller. There will also be a demonstration of the TC BACnet Router, which adapts both new and existing controllers to native BACnet in existing and future PRIVA Top Control installations.

The **Samson** TROVIS 6600 Automation System proves to be flexible in many ways. All networks and bus systems commonly used in building automation can be integrated into the system. It consists of an automation station (TROVIS 6610), which has its own I/O channels, and further I/O modules (TROVIS 6620) to adapt the system to any property regardless of its size. Rounded off by convenient configuration, any automation task can be solved in no time at all.

**Sauter** offers a BACnet automation station (B-BC profile) as server and client with peer-to-peer function; BBMD on board. Interfaces to the field level provide data points from non-Sauter systems with BACnet capability. The nova250 touch-panel is an operating unit for the automation level with easy-to-use graphic functions. At the management level (B-OWS profile) the BACnet client comes with native BACnet driver.

The **SE-Elektronik** Product Series E-DDC by SE-Elektronik is expanding its product range in regards to performance capacity and versatility. Safety, quality and easy operability are of top priority. Boasting a high-performance processor and generously equipped with FLASH and RAM memory, E-DDC leaves nothing to be desired when it comes to easy and comfortable controlling and automation functions. The Product E-DDC 3.0 BC will be presented at BACnet's joint booth.

DESIGO, the **Siemens** building automation and control system uses the open standard BACnet for all automation and management functions. An open system architecture and a modular design provide open connectivity to OPC, LON, KNX, M-Bus and others and a consistent operation at all levels: on site or via Intranet and Internet.

The **SysMik** InlineControlServer ICS-709B for the IO-System InlineModular is an interoperable multi-protocol controller for the European communications standards BACnet/IP and LONMARK (CNP; Control Network Protocol – LON/FT-10 and LON/IP).



The IPOCS programming tool integrates data from BACnet and LONMARK objects as well as hardware IOs within the control application.

**Tridium's** Niagara AX Framework runs on the JACE 2 DIN rail mounting controller. This allows integration of BACnet with other building services networks via IP and serial comms ports plus direct I/O points. Easily configurable real-time control is possible, and web pages are served from the JACE to display data from BACnet and other types of network devices and systems.

**About the BIG-EU:**

The BACnet Interest Group Europe e. V. (BIG-EU) promotes the application of the worldwide BACnet communication protocol ISO 16484-5 in European building automation and safety engineering. It was founded in 1998 by 18 companies dealing with building automation. Today it has 60 members from Belgium, Germany, England, Finland, France, Italy, Canada, the Netherlands, Austria, Switzerland and the USA. The BIG-EU represents European interests in the worldwide development of the BACnet standard. Therefore, the BIG-EU interacts with the American BACnet Manufacturer Association (BMA) and the ASHRAE Standing Standard Project Committee SSPC 135, which is assigned by the ISO the care of the BACnet standard. The BIG-EU increases BACnet knowledge in Europe with common marketing and qualification offers. For further information see [www.big-eu.org/](http://www.big-eu.org/).

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**Press relations: MarDirect, Dortmund, Germany**  
**Bruno Kloubert, E-mail: [kloubert@mardirect.de](mailto:kloubert@mardirect.de), Tel. +49-231-427867-31**