



Industry and Service focus on BACnet

BACnet solutions have lost their hint of the 'exotic'

Dortmund, 19.4.2006 – The BACnet communication standard is oriented towards the needs of technical building automation. This accounts for the growing number of BACnet solutions. Over 15,000 BACnet systems are installed worldwide. The list of BACnet references and applications is also growing in Europe. This is confirmed by the exhibitors who will be presenting their BACnet solutions in hall 9.1, B55 on the BACnet Interest Group Europe (BIG-EU) stand at light+building.

As a leader in automation technology **ABB** actively supports BACnet as a feature available for drives. The new standard drive ACH550 especially developed for use in the HVAC sector is the first drive of its type to directly support BACnet MS/TP out the need of additional hardware. The ABB Standard Drive ACH550 is certified according to BACnet testing laboratory (BTL).

References of **ABB Gebäudeautomation** are: Jakob-Kaiser-Haus, Berlin, 1999, BACnet server, Product brands integrated: ABB, Sauter, Fujitec, Honeywell, misc. LON. - University of Rostock, 2001, BACnet client and server, Product brands integrated: Kieback and Peter, Ammann, MBS - Cityport Zurich, 2000 BACnet client, Product brands integrated: ABB, Siemens, Tridium, misc. EIB, misc. LON - Landtag NRW, Düsseldorf 2005, BACnet server, Product brands integrated: TAC Andover, misc. LON

Delta Controls uses the latest in Web technology, delivering tools that allow building managers to interface with buildings in ways that were only dreamed of. Tenant PortalTM and Virtual StatTM provide secure access to defined building parameters so that different types of users from facility managers to tenant administrators to individual building occupants can monitor and control their environments quickly and easily.

BACnet projects are no longer exotic and risky for **Honeywell**. With its proven track record from many successful integration projects, Honeywell becomes the partner of choice for open communication. Bio life-science companies trust on the Honeywell competence as a leading BACnet system integrator as well as market leading



automotive companies, computer centres, universities, hospitals, airports and office buildings.

Equipped by **Kieback&Peter**, the clinic Holsteinische Schweiz is an example of high efficiency – and with 10,000 data points it is also the largest BACnet solution in North Germany. Kieback&Peter also laid the foundation for open building automation at the University of Rostock. The impressive East Congress Center at the Nürnberg Exhibition Center is a third example of Kieback&Peter building automation technology.

MBS solutions are BACnet OPC-Server / BACnet OPC-Client: These software products help to connect BACnet and OPC. - Infrastructure components: BACnet routers for connecting different physical layer. - BACnet-Tools: Analysis software to support installations and diagnosis as well as conformance testing. - BACnet protocol stacks and implementations increase development speed for BACnet applications.

Messner proves its compatibility to other well-known vendors of building automation systems in more than 20 BACnet projects. Some examples for the manufacturer independent communication of miles are University of Potsdam, University of Munich (LMU), New Munich Trade Fair Center, ALDI-Süd Centers of Logistics, Physical Fitness Center Grafenwöhr, and Correctional Facility Sehnde.

Today, **Plüth's** COSMOS OPEN native BACnet controllers are implemented in a host of projects. The computing centre Leibniz, Fildorado Stuttgart, Hanns Martin Schleyer Hall Stuttgart, Quebec Barracks Osnabrück, are only a few of the more prominent reference objects. In some cases, the controllers are linked to other suppliers' visualisation systems.

PRIVA offers a wide range of BACnet based products from smart sensors to graphic touch screen panels and from compact room control to ultra-modern building control systems. Combined with PRIVA Top Control's integrated engineering environment, BACnet offers the best guarantee for a future-proof investment.



Extract from the **Sauter** list of international references: Department of Works, Hanover Technical University of Darmstadt - Allianz Munich - Allianz Frankfurt - Nuremberg Exhibition Centre - Padua Telekom - St. James' Hospital, Leeds - Moevenpick Hotel, Istanbul - Viysia Bank, Bangalore - Boodang Subway, Seoul - University of Pompeu, Barcelona.

The DDC computer of **SE-Elektronik** serves as a building controller (B-BC) and is based on an integrated native BACnet Stack. The self-developed BACnet Stack, a stack optimized for micro-controllers, ensures a high transfer rate. Low resources at a high-power performance. The datatransfer and a full range of functions are guaranteed via TCP-IP (BACnet IP) as well as via modem (BACnet PTP).

DESIGO, developed by **Siemens**, is whole a family of innovative BACnet products for building management, automation, integration and local operation.

Tridium's NIAGARA-AX® platform abstracts via normalized data representation from the protocol specifics and provides a powerful, web-based management system for scalable automation and M2M applications. Niagara-AX, ICS-709B and other IPOCS programmable LON controllers focus on new priorities for innovative building automation.

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/.

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