

BACnet™ Spoken Here

A Snapshot of Recent TAC® BACnet Installations

BACnet has become a household word in the building automation industry. There are now thousands of installations worldwide, especially in the school, university, and government markets. In 2005, the standard is well on its way to universal acceptance for all types of facility automation applications, including security management.

Since the addition of BACnet to our entire line of Andover Continuum™ controllers in 2003, customers are realizing the benefits of our native BACnet solution. Designed in strict accordance with ANSI/ASHRAE standard 135-2004, and certified by the BACnet Testing Laboratory (BTL), Continuum BACnet controllers do not need special protocol converters, or "gateways," in order to interoperate with either BACnet or non-BACnet devices on the network. System configuration and ongoing maintenance is dramatically simplified! In addition, our graphical front-end, Continuum CyberStation™ and our web-based operator interface, web.Client™, both now BACnet-compatible, continue to provide our customers true single-seat control of their entire facility.

TAC end-users are oftentimes "flat-spec-ing" BACnet, knowing that they will need multi-vendor interoperability immediately, or, taking a proactive approach, are requesting it for possible equipment compatibility issues down the road. Either way, the BACnet fever is spreading. TAC is proud to spotlight some of our initial BACnet projects:

CHI OMEGA SORORITY HOUSE, OKLAHOMA STATE UNIVERSITY, STILLWATER, OK

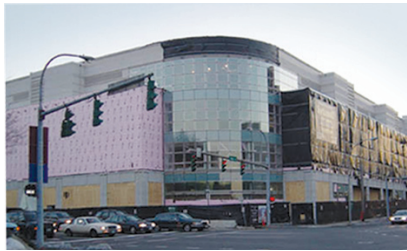
When Chi Omega Sorority House on the campus of OSU was in need of a HVAC retrofit, the University turned to TAC's Partner, Logical Building Solutions, Inc., of Oklahoma City for a BACnet solution. The school believed strongly in selecting an "open protocol" solution over the proprietary systems they had used in the past in this old three-story building which houses 100+ women in 40 rooms. A b4920 system controller/BACnet router with a Continuum b-Link Repeater connects the 53 b3851 terminal controllers to a Continuum BACnet CyberStation over the school's existing LAN network.





ART CENTER COLLEGE OF DESIGN, PASADENA, CA

TAC's Partner, Convergent Technologies of Fountain Valley, California, recently completed Phase I of a retrofit project for the Art Center College of Design in Pasadena, California. The Art Center College of Design selected a Continuum system in part due to the flexibility that their native BACnet solution offers for this and future projects. The Art Center College of Design uses 18 Continuum BACnet b3867 terminal controllers to control heat pumps and a b4920 system controller to control the cooling towers, pumps, and the hot water system for the facility's central plant. Continuum's native BACnet CyberStation workstation provides full monitoring and control through a powerful, dynamic graphical interface. The system has been enhanced with an Andover Continuum Security Management System, providing perimeter door access control and CCTV applications. In addition, staff members will be able to use our optional web.Client™ package for easy, web-based access to their BACnet system anywhere on the network.



FORTUNOFF DEPARTMENT STORE, WHITE PLAINS, NY

New York's high-end retailer, Fortunoff, was on a fast-track schedule to complete their new White Plains store in 2003.

They turned to TAC Partner, T.M. Bier & Associates, Inc. of Glen Cove, New York, with whom they had a 20-year relationship, to install a Continuum building automation system in their new sixth store. Because time was of the essence, the store wanted to avoid possible network compatibility issues amongst the various equipment vendors involved in the project. McQuay roof-top units had been pre-purchased, so seamless interoperability with the manufacturer controllers on these units was especially important to the store. T.M. Bier & Associates, Inc. selected a mix of Continuum network controllers and field controllers, along with a BACnet b4920 system controller connected to the McQuay RTUs, to operate on a BACnet MS/TP network under the control of a BACnet CyberStation front-end. Continuum's temperature sensors are averaged together and send messages

to the McQuay units to call for warmer or cooler air. Also, the system provides lighting control via a communications interface with a Square D Power Link lighting control system.

NEW YORK CITY PUBLIC HEALTH LABORATORY, NEW YORK, NY

In light of recent threats to New York's public health and safety, and to meet new federal bio-lab Level 2 and Level 3 standards, the New York Public Health Laboratory took a proactive "open protocol" approach and "flat-sped" BACnet for their recent lab controls upgrade in their Manhattan facility. Environmental monitoring and control in any lab is critical, and "chemical containment" is key. T.M. Bier & Associates, Inc. of Glen Cove, New York installed a Continuum BACnet system utilizing b4920 and b3920 system controllers, and a mix of 75 b3 terminal controllers to interface with multiple devices in the lab: fume hoods, AC units, emergency showers, eye wash equipment, and an HEPA filter monitoring system. A BACnet CyberStation consolidates these multiple systems and vendors under one interoperable system.

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