

THE **resource**

MORE FREEDOM THAN EVER

**BACnet® Conference 2005**

*The BACnet Manufacturers Association (BMA) and the BACnet Interest Group North America (BIG-NA) will be holding the 7<sup>th</sup> BACnet® Conference & Expo this year in Nashville, Tennessee from October 23-25.*



[WWW.BACNETCONFERENCE.ORG](http://WWW.BACNETCONFERENCE.ORG)

*Company News*

*Dealer News*

*Hardware*

*Software*

*Marketing*

*Sales*

This year's BACnet® conference, presented by BIG-NA and BMA, is designed to educate mechanical system design professionals, integrators, and end users on the benefits of the BACnet® open protocol. The event will feature a variety of seminars lead by industry professionals and a trade show including multi-vendor interoperability demonstrations. Reliable Controls® is a Platinum sponsor of the event, and will be promoting BACnet® in Booth #5 at the trade show.



ASHRAE

Endorses

BACnet®

Conference

"We are pleased to announce that ASHRAE has endorsed our conference, which is designed to be highly educational and informative," said Jon Williamson, marketing chairman of the BACnet® Manufacturers Association.

"BACnet is growing rapidly today, with every major building controls manufacturer producing BACnet devices and more and more project specifications calling for open BACnet systems. Whether you are new to BACnet, or a seasoned BACnet expert, there will be topics and products for you to explore and learn about at the conference."



**The BACnet® Conference and Expo will be held at the Nashville Airport Marriott Hotel, October 23–25, 2005.**

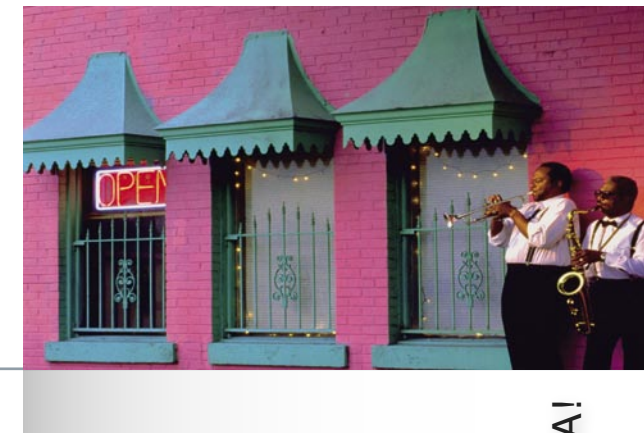
600 Marriott Drive  
Nashville, Tennessee  
37214  
USA

Phone: 1-615-889-9300

<http://marriott.com/property/propertypage/BNATN>

**By registering for the BACnet® Conference & Expo you gain access to:**

- The largest BACnet® Interoperability demonstration
- The BACnet® Exhibition
- The Daily BACnet® Sessions
- The Conference Reception
- Lunches on both days of the conference



Attendees will have a varied range of experience with BACnet® and there will be presentations geared for each type of attendee. Topics will include:

- an introduction to BACnet®
- the current state of BACnet®
- specifying BACnet®
- end user implementations
- understanding the BACnet Testing Labs (BTL)
- an introduction to BACnet® web services
- network planning
- design and the future of BACnet®



## See BACnet® in Action

Attend FREE Educational and Networking Activities

Experience the Largest BACnet® Interoperability Demonstration

FREE Show-sponsored Educational Sessions open to all visitors

Sponsored luncheons with key industry professionals

Network with your colleagues throughout the exhibit hall



SEE YOU IN MUSIC CITY, USA!

[WWW.BACNETCONFERENCE.ORG](http://WWW.BACNETCONFERENCE.ORG)

*The evolution of BACnet® - The world standard BAS protocol*





## Western Canadian Dealer's Meeting

Reliable Controls® recently hosted the 2005 Western Canadian Dealer Meeting at The Grand Okanagan Lakefront Resort and Conference Centre in Kelowna, British Columbia. Along with presentations, discussions, golf, and winery tours, Dealer Achievement in 2004 was recognized.



The **Top Sales of the Year** was awarded to **Control Solutions** in recognition and appreciation of their highest sales contribution in the region. Control Solutions are an independent control contractor that supplies, installs, and services pneumatic, electronic, and DDC controls. Their target markets are commercial, institutional, and light industrial buildings, either during new construction or retrofit. The elevated level of efficiency within the company paved the way to their outstanding year of sales in 2004.



The **Entrepreneur of the Year** was awarded to **Aspen Controls** in recognition and appreciation of their sustained new growth in the region. Aspen Controls have firmly positioned themselves in the educational and municipal government markets. With expertise in new construction and retrofits, Aspen Controls offers both service and installation and have made a strong commitment to building their customer base by maintaining healthy customer relationships.



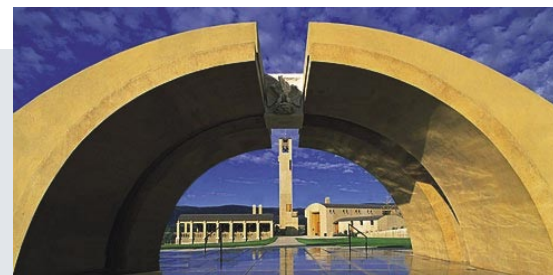
The **MVP of the Year** was awarded to **Houle Electric - Victoria** in recognition and appreciation of their excellence achieved in all aspects of business. With a portfolio of projects from small commercial sites to some of the most complex and distinguished landmarks in Western Canada, Houle Electric offers an impressive range of expertise in industrial, commercial, and institutional projects. Houle Electric has been in business for more than six decades because of their ability, stability, and quality.



[www.okanagangolfclub.com](http://www.okanagangolfclub.com)



[www.quailsgate.com](http://www.quailsgate.com)



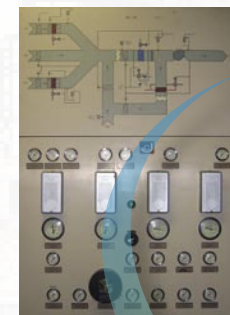
[www.missionhillwinery.com](http://www.missionhillwinery.com)

## CUSTOMER AND DEALER TRAINING



From July 25-29 of 2005, Reliable Controls® representatives conducted 2 two-day customer training sessions at the Rayburn Building, one of the House Office Buildings on Capitol Hill in Washington DC.

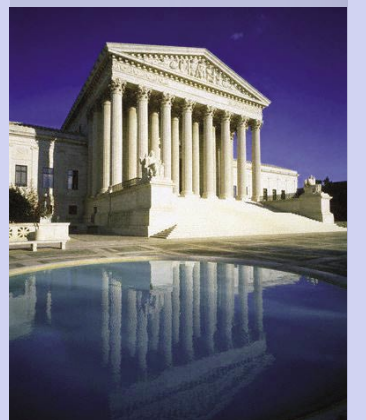
The customer training classes were comprised of 3 representatives from the Reliable Controls® Authorized Dealer, Building Automation Services, and 37 staff members from the Architect of the Capitol. The Architect of the Capitol has embraced BACnet® as a campus wide EMCS protocol by replacing proprietary protocol systems with the BACnet® protocol. Reliable Controls® product is currently in 3 buildings that fall under the mandate of the Architect of the Capitol. After completing the Washington DC training session, it is expected that Reliable Controls® coverage on Capitol Hill will see solid growth.



If you wish to inquire about customer training in your local or regional area, please contact your RSM. Customer and advanced training sessions have also been conducted in Dallas, Vancouver, and Toronto.



The Architect of the Capitol is responsible to the United States Congress for the maintenance, operation, development, and preservation of the United States Capitol Complex, which includes the Capitol, the congressional office buildings, the Library of Congress buildings, the Supreme Court building, the U.S. Botanic Garden, the Capitol Power Plant, and other facilities.



[www.aoc.gov](http://www.aoc.gov)

### DEALER TESTIMONIAL



- Reliable/BACnet project in Columbus, Ohio, USA
  - The Eye Center Ambulatory Surgical Center
  - Five stories (140,000 sq. ft.)
- |                  |                         |
|------------------|-------------------------|
| (1) MACH-Global™ | (30) MACH-Zone™         |
| (1) ETHER-Link™  | (120) MACH-Air™         |
| (5) MACH1™       | (150) SMART-Sensor™ LCD |

"(This) has been our largest Reliable project to date and let me say I/we could not be happier. It integrated in about half the time as a LON network ...Reliable...as it turns out, is reliable."

- Rick Rosine





**INTERNATIONAL**

LCS CONTROL SYSTEMS  
Corran, Headford  
Killarney, Co. Kerry  
Ireland

UNITED ADVANCE BUILDING SYSTEMS  
7 Adnan Elrawy Street, Heliopolis  
Cairo, Egypt  
11771

**CANADA**

LANGE INSTALLATIONS  
16317 110th Avenue  
Surrey, British Columbia  
V4N 4Y4

**UNITED STATES OF AMERICA**

ENGINEERED CONTROLS  
3116 South 13<sup>th</sup> Street  
Lincoln, NE  
68502

ESSENTIAL BUILDING TECHNOLOGIES  
14413 NE 10<sup>th</sup> Ave., Suite A-103  
Vancouver, WA  
98685

AMS - San Francisco  
1275 Boulevard Way  
Walnut Creek  
California  
94595



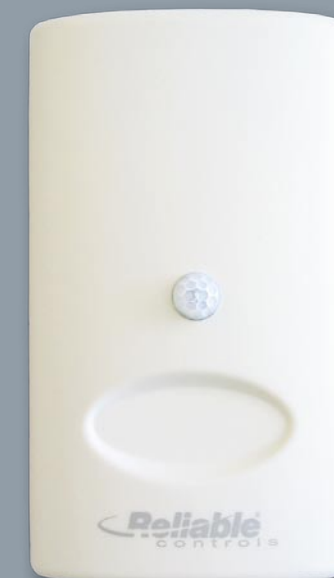
## MACH-Stat™

The revamped MACH-Vision™ has been renamed to the MACH-Stat™. The I/O configuration for the MACH-Stat™ will feature 7 inputs and 8 outputs (each output being a socket to which a relay module or universal output module can be inserted). The look and feel for the MACH-Stat™ combines the executive-styled good looks of the SSL with the high-performance and durability that were the trademark of the MACH-Vision™. The new MACH-Stat™ is easy to mount and complements any decor.



## Occupancy

The SPACE-Sensor™ line of products has been expanded to include an occupancy sensor. The SST-OCC can be combined with other SSTs and offers security and peace of mind.



A new addition has been made to the SMART-Sensor™ LCD (SSL) product line.

## SMART-Sensor™ LCD



## CO<sub>2</sub>

The SST will also feature a CO<sub>2</sub> sensor (SST-CO2). Both the Occupancy and CO<sub>2</sub> SSTs are currently involved in pilot projects with select dealers. Release is scheduled for Q4, 2005.



BACnet Conference and Exposition

Dates: October 23–25, 2005  
Venue: Nashville Airport Marriott  
Location: Nashville, Tennessee, USA  
Booth: 5



2006 AHR Expo

Dates: January 23–25, 2006  
Venue: McCormick Place  
Location: Chicago, Illinois, USA  
Booth: 3649



2006 NFM&T/MS Expo

Dates: March 7–9, 2006  
Venue: Baltimore Convention Center  
Location: Baltimore, Maryland, USA  
Booth: 427



2006 CMX-CIPHEX Show

Dates: March 23–25, 2006  
Venue: Metro Toronto Convention Centre  
Location: Toronto, Ontario, Canada

The SSL-ND is a full-functioning SSL with No Display. The SSL-ND is ideal for classrooms, gymnasiums, and other high activity areas where a low-profile sensor with setpoint adjust is required.



# Project profile

## Jefferson County Government Center



Set on a 180-acre campus outside of Denver, Colorado the Jefferson County Government Center was inspired by Thomas Jefferson's famed residence, Monticello. The Jefferson County Government Center is comprised of a 125-foot central rotunda tangent to 2 semicircular wings that bow out symmetrically into the landscape. The complex is comprised of the Human Services building, District Attorney's building, a jail, and numerous support facilities.

The Reliable Controls® MACH-System™ installed at the Jefferson County Government Center was a retrofit of an existing system. In comparison to the upgrade price for the existing system, the replacement price for the Reliable Controls® retrofit was sufficiently lower and allowed the county to allocate funds for the replacement of the original lighting system with a Reliable Controls® solution. The result was a completely integrated HVAC and Lighting control system. The facility's HVAC system features 26 air-handlers, a chiller plant, flat plate, and boiler plant.

Creative programming and sequence optimization have resulted in energy savings that were not anticipated. With 14 high-traffic courtrooms on one side of the complex, and administrative offices on the other, the installation was conducted without any interruption of daily business. In addition to the Government Center, the existing DDC systems were retrofitted in the Human Services building and the District Attorney's building.



MACH-Air™ VAV



### GOVERNMENT

**Project Name:**

Jefferson County Government Center

**Location:**

Golden, Colorado, USA

**Market Segment:**

Government

**Project Type:**

HVAC, Lighting

**Installation:**

Retrofit

**Total Area:**

46,000 m<sup>2</sup> (500,000 sq. ft.)

**Equipment Installed:**

2 MACH-Global™

16 MACH2™

30 MACH1™

24 MACH-Zone™

10 MACH-Air™

**Network:**

EIA-485 STP

**Total System Points:**

2,500 points

**Consultant:**

American Mechanical Services

**Reliable Controls® Dealer:**



...people and technology  
you can rely on™