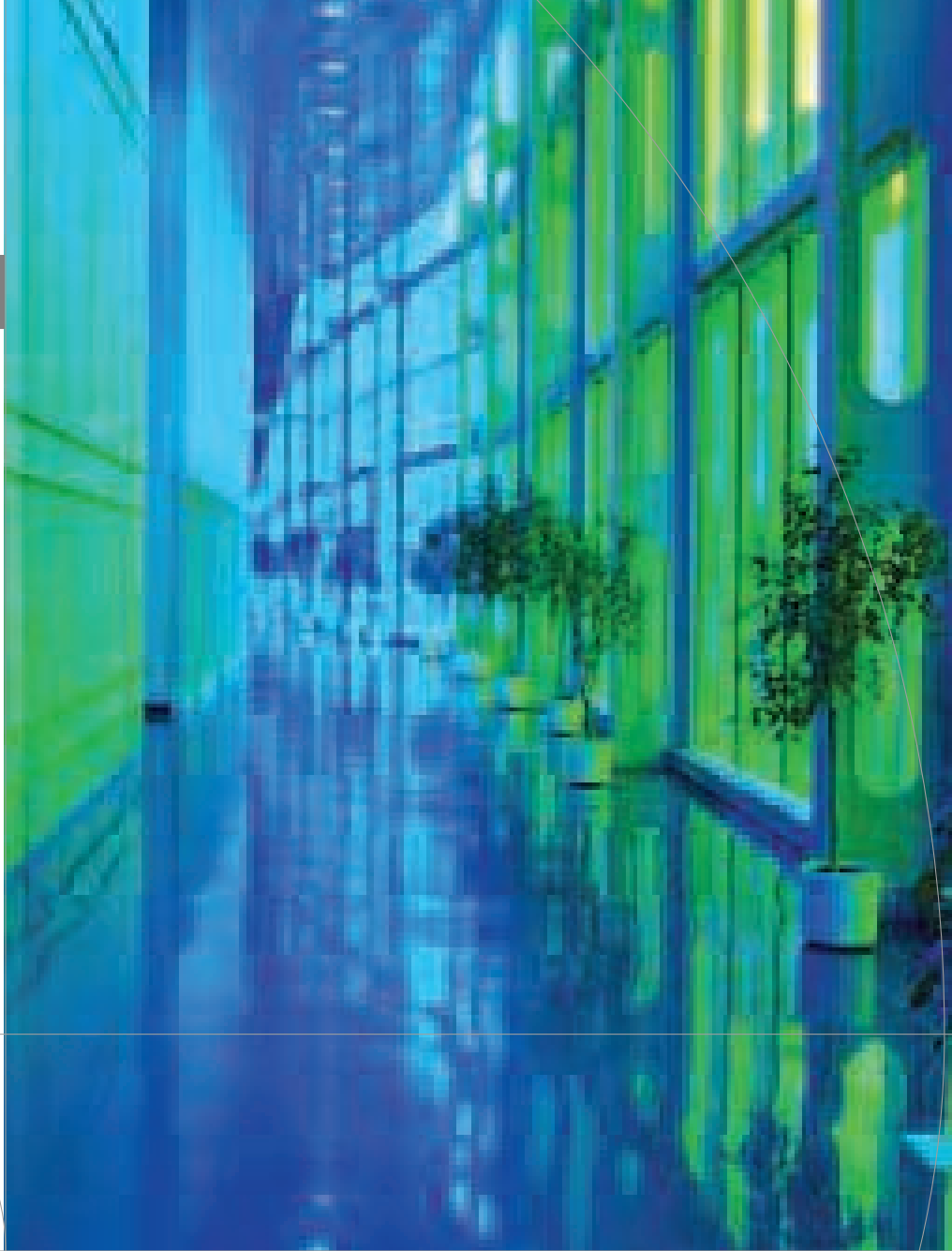


# SIEMENS

Building Technologies



## APOGEE native BACnet solutions

APOGEE® BACnet® network solutions bring more power and flexibility to your building automation system — now and into the future.



## APOGEE BACnet solutions deliver more.

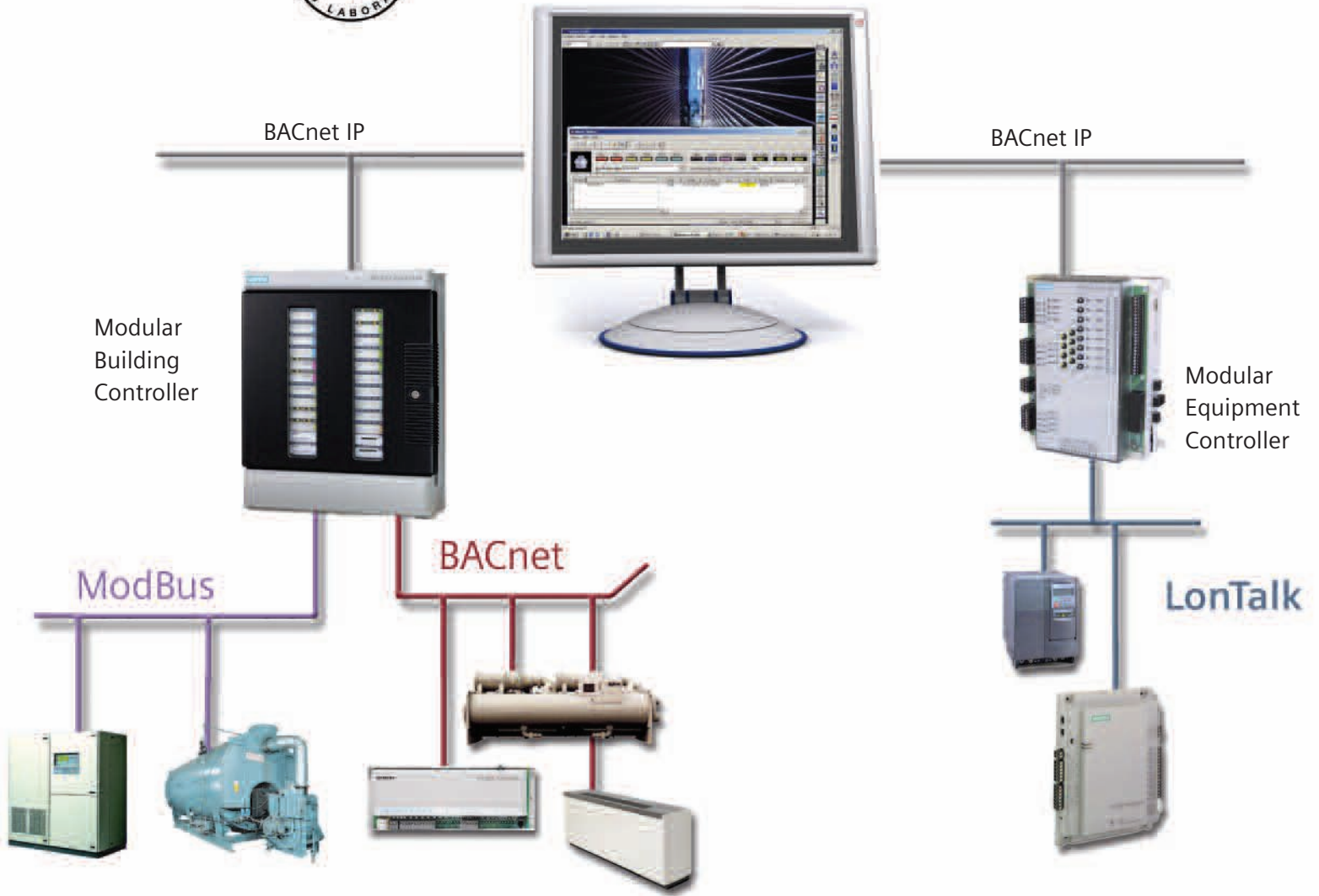
The APOGEE® Automation System and its native BACnet solutions allow you to unleash powerful control features for a wider range of building automation possibilities. In addition, you realize cost-effective integration solutions through a versatile open system architecture. You can control all key equipment from one workstation to increase staff productivity, reduce training expenses, improve diagnostic capabilities, and more.

As part of our open protocol offerings, our BACnet IP-based MEC and MBC controllers and Insight® control software provide a powerful open system platform. The APOGEE system also includes a full range of BACnet MS/TP Terminal Equipment Controllers (TECs). You benefit from comprehensive BACnet implementation and from the high performance system integration capability offered only by Siemens Building Technologies, Inc.

By integrating with the APOGEE system, you leverage your investment in a single system interface with unlimited power.

# Native BACnet

Broad integration power  
All standard protocols



# More options.

We offer integration options for a wide array of proprietary and standard protocols, in addition to BACnet.

## **OPC**

Commands current values of OPC items, setpoint changes, and equipment control values.

## **Modbus**

Supports both the Modbus RTU and Modbus TCP protocols for versatility in monitoring and commanding Modbus-enabled devices.

## **LonTalk/LonWorks**

Integrates LONMARK-compliant devices for alarming, trending, scheduling, customized programming and more, in Insight.

## **Proprietary Protocols**

Supports a variety of engineered Integration Driver solutions to migrate legacy systems to BACnet.



# More commitment to integration.

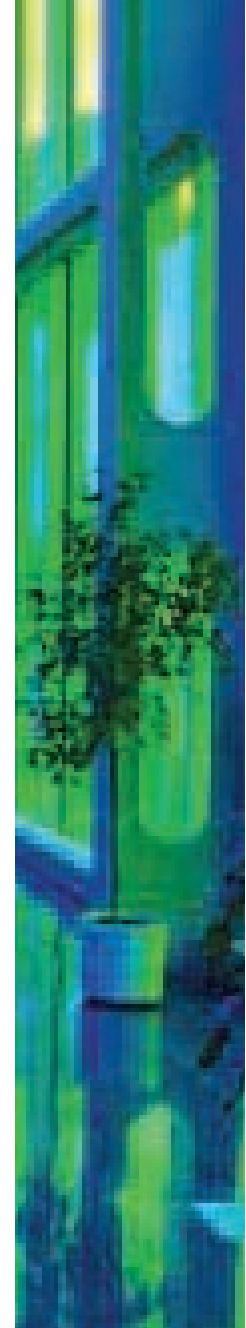
Other systems may come with claims of BACnet conformance, but without the backing of a real commitment to integration. APOGEE BACnet solutions conform to the BACnet standard, ASHRAE 135-2004, and prove adherence with BTL certification, plus real-world integration experience with a wide array of protocols, systems and devices.

Siemens Building Technologies brings you years of experience with BACnet integration, and active participation in the BACnet standard initiatives, including SSPC-135, BACnet International and BTL. We have been integrating systems using both standard and proprietary protocols since 1991.

You can order our Power MBCs, MECs and Insight software with the BACnet IP protocol. This provides the ability to exchange information with a wide range of BACnet devices in a system, including products from many leading companies, with minimal configuration time.

Application-level information exchange with BACnet devices means more control functionality.

- Read/write to analog and binary objects.
- Alarming and alarm acknowledgement through notification class objects.
- Trending through the trend log object.
- Scheduling with the calendar and schedule objects.



## More features for facility management.

### Advanced Applications

Insight features and functions include Scheduler, Alarm Management, Data Trending, and so much more. Insight also has animated graphics and an expanded library of symbols and templates.

### Information Management

InfoCenter Suite® automates the process of archiving, collecting, managing and reporting facility information.

### Remote Notification

The RENO Remote Notification Option for Insight® allows enunciation of Insight Alarm, Status, and System Event information to various notification devices such as pagers, e-mail and phones.

### Web Access

APOGEE GO® allows operations staff to access the system from anywhere. When it is combined with standard protocol integration solutions, staff can monitor a huge variety of equipment with one Web site connection.

# Helping your building work for you.™

## **Siemens Building Technologies, Ltd.**

2 Kenview Boulevard  
Brampton, Ontario L6T 5E4  
Canada  
Tel: (905) 799-9937  
Fax: (905) 799-9277

## **Siemens Building Technologies Ltd.**

Hawthorne Road  
UK-Staines, Middlesex TW 18 3AY  
England  
Tel: 44 1784 46 16 16  
Fax: 44 1784 46 46 46

## **Siemens Ltd.**

### **Siemens Building Technologies**

Building 31, Ground Floor  
885 Mountain Highway  
Bayswater, Victoria 3153  
Australia  
Tel: 61 3 9721 2000  
Fax: 61 3 9720 9966

### **Siemens Building Technologies (Tianjin) Ltd.**

2nd Floor, Ocean Tower,  
550 East Yan An Road,  
Shanghai 200001, P.R. China  
Tel: 86 21 6350 2277  
Fax: 86 21 6350 2420

## **Siemens Ltd.**

Unit 1006-10,  
10/F China Resources Building  
26 Harbour Road,  
Wanchai, Hong Kong  
Tel: 852 2856 3813  
Fax: 852 2564 4254

## **Siemens Ltd. Seoul**

6th Floor Asia Tower Building,  
726 Yeoksam-dong, Kangnam-Gu,  
Seoul 135-719, Korea  
Tel: 82 2 3450 7400  
Fax: 82 2 3450 7499

## **Siemens Pte Ltd**

The Siemens Centre,  
60 MacPherson Road,  
Singapore 348615  
Tel: 65 6490 6000  
Fax: 65 6490 6001

## **Siemens Limited Taiwan**

8F, No.3, Yuan Qu St  
Nan Gang District  
Taipei, 115 Taiwan, R.O.C.  
Tel: 886 2 2652 8888  
Fax: 886 2 2652 8824

[www.sbt.siemens.com](http://www.sbt.siemens.com)

**Building Technologies**

## **Siemens Building Technologies, Inc.**

1000 Deerfield Parkway  
Buffalo Grove, IL 60089  
Tel. (847) 215-1000

### **About BACnet**

BACnet is a standard protocol originated and supported by the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) and accepted as an ASHRAE and ANSI standard for the HVAC control industry. In the application layer, BACnet defines a device, objects within a device, properties of the objects, and services that act upon an object or property. BACnet International and the BACnet Testing Lab (BTL) continually address BACnet interoperability testing. Siemens Building Technologies is a BACnet International founding member.