

Am I really getting the most from my building?

TALON® building automation offers the best integration of today's technology while staying open to future developments, so you will always get the most from your building.

Answers for infrastructure.™

**SIEMENS**

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## Complex problems. Easy solutions.

Today's buildings are becoming increasingly complex. Building automation systems don't just control the basics. They regulate airflow, monitor energy use and are being called upon to integrate with security, lighting and other systems throughout buildings to deliver comfort, safety and energy efficiency. With all this in mind, the need for a simple method of control is clear.

The TALON system is designed to push building automation technology forward. From software to hardware, we've advanced every part of the system. It all starts with BACnet, the platform on which all of today's best technology operates.



## Smart advancements

**With BACnet, TALON building automation gives you the tools to integrate other systems. But we didn't stop there.**

We developed a series of software drivers that makes integration as simple as possible. You won't find these drivers on any other system, and that's part of why the TALON system is a smarter choice.

TALON does more than simply integrate your systems; it makes them easy to operate. You'll control everything through a single workstation featuring an elegant but robust user interface. You'll also be able to access your system from anywhere with TALON web technology.

TALON can integrate with a wide range of other building automation products. It works with existing building systems to make upgrades cost efficient. Plus with wireless technology, you can easily handle retrofits or new construction without significant cost. And in the future, you'll keep up with technology. With its integration power, open architecture and BACnet software, the TALON system is an investment that will pay you back for years.

### **Simpler. Better.**

Whether you are installing new BACnet or LonTalk systems, trying to unify legacy systems that operate on proprietary protocols or are simply trying to get the best performance out of your building, TALON offers great flexibility, power and ease of use. And TALON is available exclusively through your local, independent Siemens Solution Partner, so you'll get service that matches the quality of your investment.

# Open communication provides more options

The TALON system is able to seamlessly link BACnet, LonTalk, Modbus and other common open-protocol devices into a single, robust control system.



TALON View Workstation

## TALON View Workstation

This straightforward and robust system interface provides efficient facility monitoring and control.

- Graphically monitor and control the facility environment
- Schedule and modify mechanical equipment operations
- Run reports on various system conditions
- Collect and view trend information

## TC Compact

The TC Compact is a 16 or 24 universal I/O point-count controller to be used for mechanical equipment or to implement complex control applications.

- Native BACnet/IP communications over 10/100Mb Ethernet networks
- Native BACnet MS/TP on RS-485
- Energy management applications and DDC programs for complete facility management
- Comprehensive alarm management, historical data trend collection, operator control and monitoring functions
- Message control for terminals, printers, pagers and workstations
- Increased flexibility through highly configurable I/O
- Models with either 16 or 24 I/O to cost-effectively match the needs of the application

## TC-1000 Controller

This controller is a high-performance Direct Digital Control (DDC) supervisory equipment controller and is an integral part of the TALON building automation system.

- Native BACnet/IP communications over 10/100Mb Ethernet networks
- Native BACnet MS/TP on RS-485
- Energy management applications and DDC programs for complete facility management
- Comprehensive alarm management, historical data trend collection, operator control and monitoring functions
- Message control for terminals, printers, pagers and workstations



TC-1000 Controller

# TALON connects every part of a building



TEC Controller with Actuator

## TEC Controller Family

These controllers are BACnet certified and compliant. They provide full-featured control of a wide variety of HVAC equipment and are available for a growing list of applications:

- Heat pump applications
- Fan coil applications
- VAV applications

## TALON Network Manager

These versatile network application servers provide system-level control of area or building functions as well as global applications such as alarming, trending, scheduling and totalization information.

- Manages networks with BACnet, LonWorks or other controllers
- Internet ready, right from the box
- Acts as web server for access to graphics, schedules and logs
- Provides a clear upgrade path
- Preserves existing customer investment
- Provides existing customers with the latest control technology

## Siemens Variable Frequency Drives

Siemens SED2® variable frequency HVAC drives feature an inherently low-harmonics design. Power range is from 0.5 HP to 125 HP and options include standard and electronic bypass with enhanced functionality. LonMark- and Modbus-compatible interfaces are available, and an advanced operator panel makes for easy field programming.

## Siemens Valves and Valve Actuators

Siemens provides seven different valve product lines for applications from terminal units to central equipment. Siemens valves range from 1/2-inch globe and ball valves to 16-inch butterfly valves and are matched with direct-coupled electronic, hydraulic, mechanical or pneumatic actuators. Globe valves with metal-to-metal seating, low leakage and 100:1 rangeability ensure a high level of controllability in a wide variety of system applications.

## Siemens OpenAir™ Damper Actuators

The complete line of OpenAir direct-coupled damper actuators provides long lasting and powerful performance for low to high torque applications. The self-centering shaft adapter, plenum ratings and built-in control options enable quick installation and maintenance-free operation.

## Siemens Sensors

Siemens offers a wide range of temperature, relative humidity, air quality, air velocity and pressure as well as wireless room temperature sensors for the TALON system.

## Temperature Sensors

- Wide range of space and duct applications
- Feature fast response
- LCD display
- Set point adjustment and occupant override capability

## Humidity Sensors

- Full range of space, duct and outdoor air humidity
- Available with or without an LCD display

## CO<sub>2</sub>/VOC Sensors

- Room and duct models
- Sense temperature and humidity in addition to CO<sub>2</sub> and VOCs

## Air Velocity and Pressure Sensors

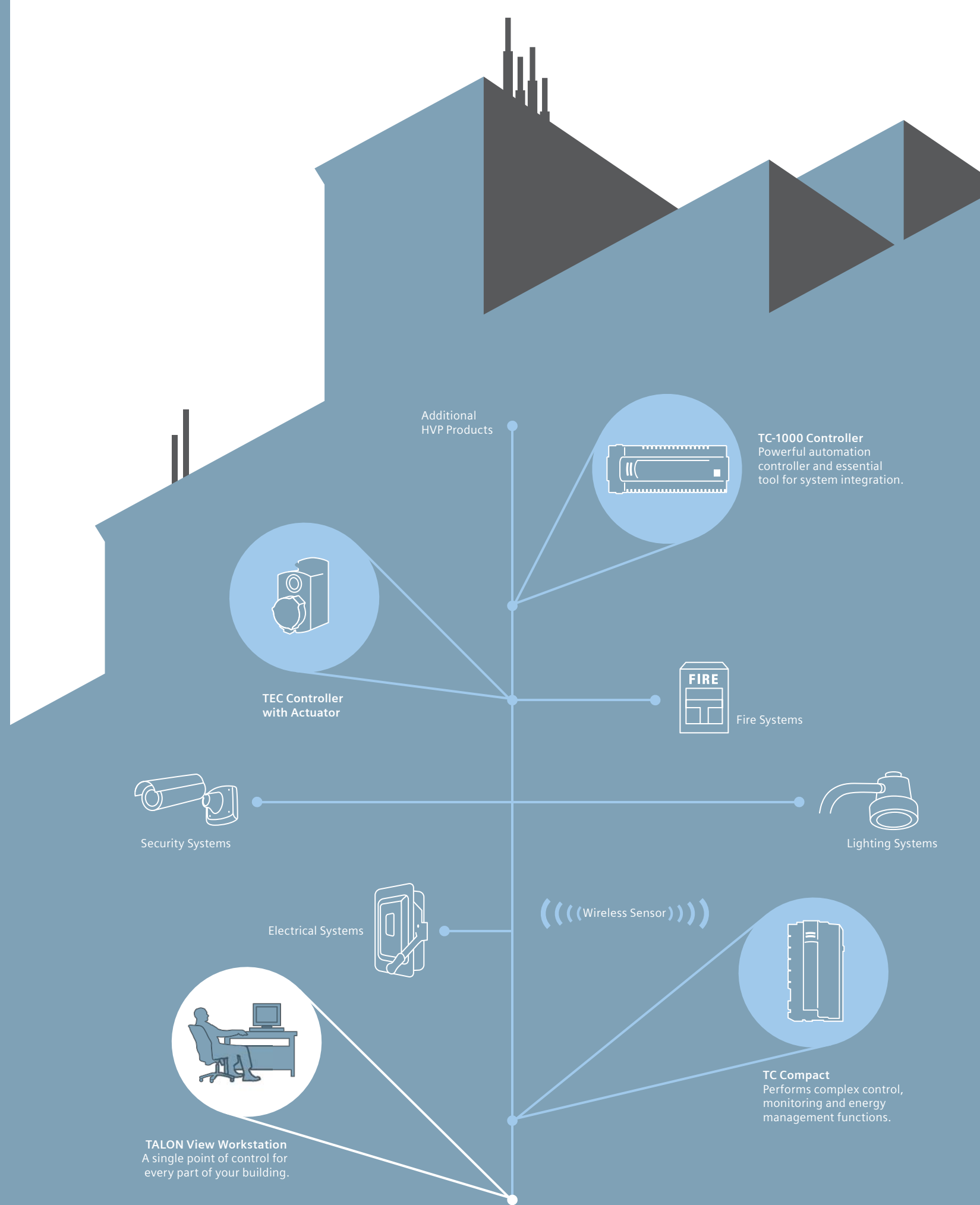
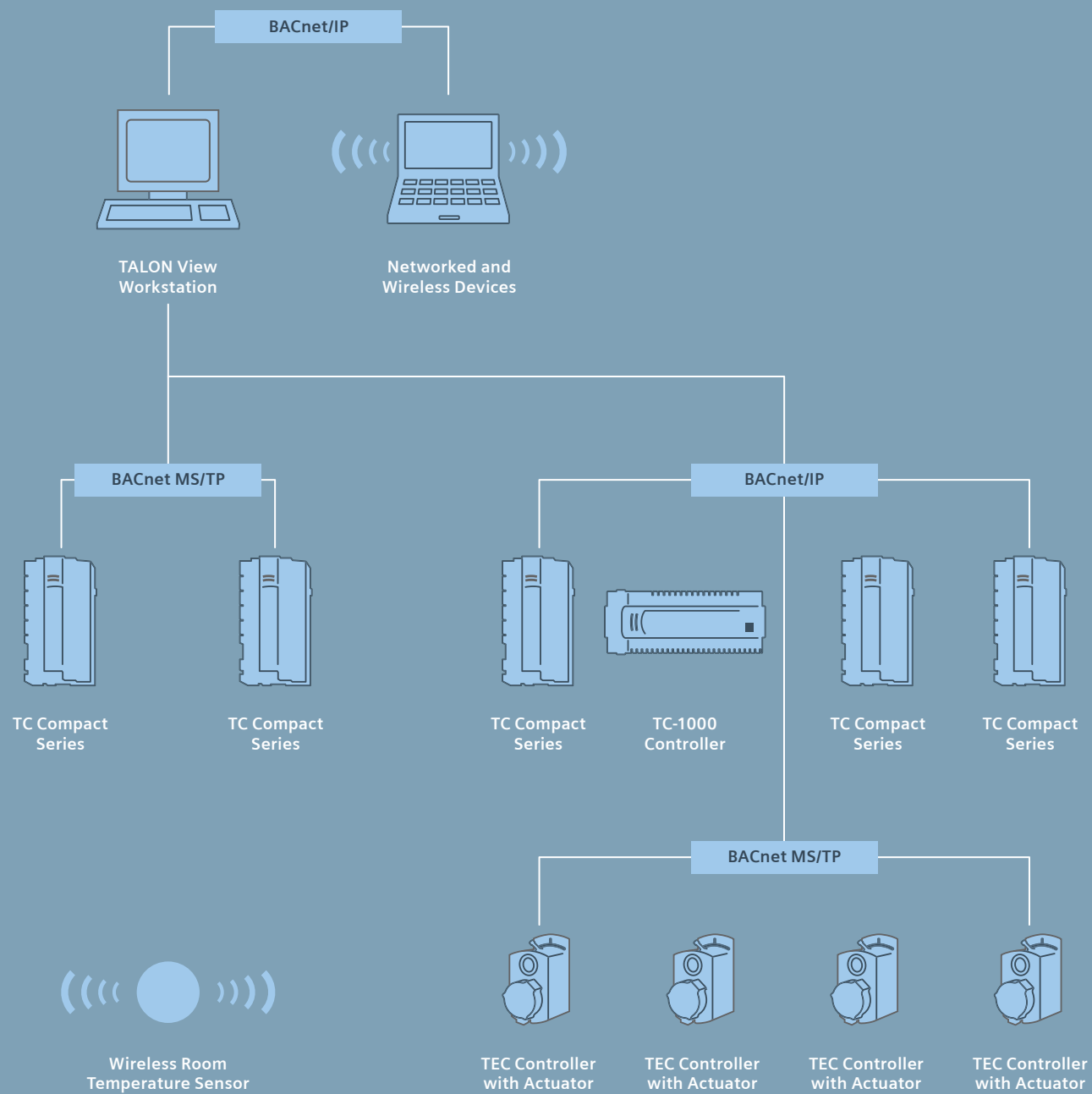
- 1" to 5" water column

## Wireless Room Temperature Sensor

- Digital display
- Full range of settings
- 5-year battery life

# At home in any building

With the TALON View Workstation, it's simple to install a dedicated workstation to manage and control a building. From here, you can monitor equipment, schedule and modify operations, run reports and link to other workstations. All of this is done through a simple, easy-to-use interface.





## Smart service

Your local, independent Siemens Solution Partner is your source for a complete TALON system.

And, as an authorized TALON dealer, they are also your source for the full line of high quality Siemens valves, sensors, actuators, controllers and variable frequency drives.

Siemens Solution Partners offer unparalleled customer service, training for your staff and technical support. Each has completed extensive training to become a Siemens Solution Partner.

When you choose TALON, you don't just get the best technology, you get confidence backed by the resources of Siemens.

Solution Partner

Authorized TALON® Dealer

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