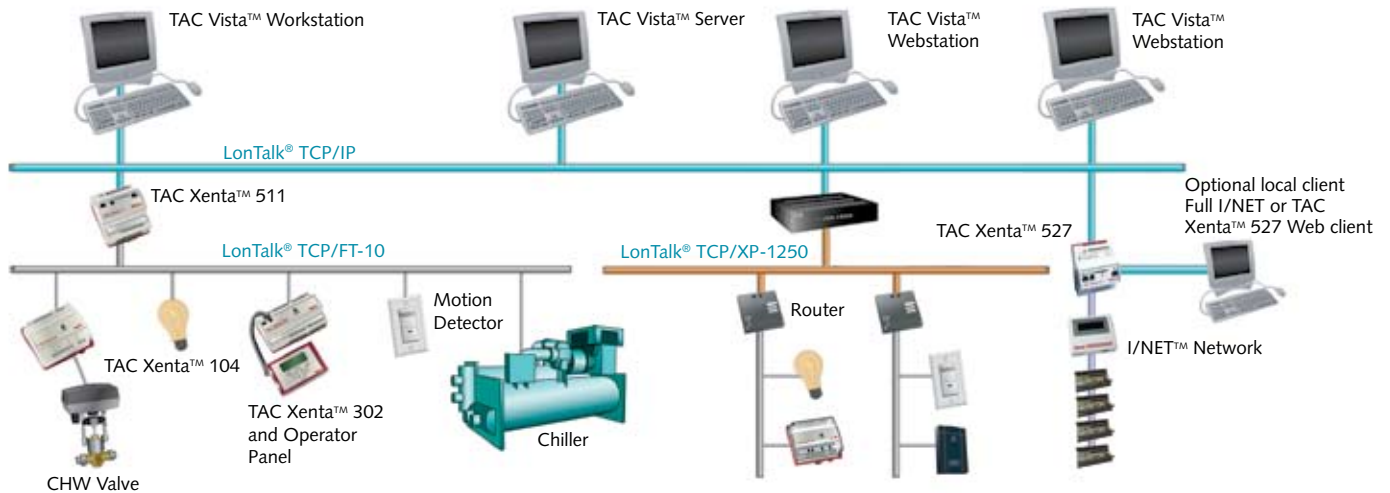


TAC Vista™ System Overview



VISTA SYSTEM ARCHITECTURE

All TAC® products incorporate the TP/FT-10 Free Topology Transceiver



TAC VISTA INTEROPERABLE OPEN SYSTEMS CREATE SEAMLESS INTEGRATION

To satisfy the accelerating building control requirements of today's building owners and occupants, the controls industry focuses on information technology for building management – Building IT.

By merging communications, data collection, information sharing and networking into a single, interoperable system, TAC Vista creates efficient, economical building control solutions that fit seamlessly with other products based on open system architecture.

Combining industry-standard technology with an easy-to-use interface, TAC Vista produces an integrated building management solution that is reliable, flexible and cost-effective. Full integration of environmental control as well as facility and energy management in a single software package allow you to customize TAC Vista for any building and security management application.

OPEN SYSTEM FOR OPEN CHOICE

TAC Vista is based on totally open architecture, which gives customers freedom of choice in selecting products from a wide range of suppliers, yielding true vendor independence. TAC Vista runs on Microsoft® Windows® with standard LAN communication on Ethernet® or fiber optics using TCP/IP and standard network equipment. Field bus communication features the open LONWORKS® technology, which is used by more than 3,000 vendors worldwide.

TCP/IP OFFERS A VARIETY OF NETWORKING ARCHITECTURE OPTIONS

Using TCP/IP, TAC Vista host workstations can communicate across the Internet and existing commercial WAN/LANs.

TAC VISTA'S FLEXIBLE ARCHITECTURE MAKES IT HIGHLY SCALABLE

TAC Vista is eminently suited for any building management application, regardless of the building size, the number of buildings or how many miles separate the buildings. TAC Vista manages multi-campus office parks and district-wide school systems just as efficiently as single, small office buildings.



National Physical Laboratory, United Kingdom

YOU WILL ALWAYS KNOW WHAT IS HAPPENING WITHIN YOUR CONTROL SYSTEM

Alarms and historical logs provide system monitoring that is both reliable and flexible. TAC Vista operators can respond to critical alarms in seconds. The receipt of an alarm can even automatically display a specific system page, giving the operator quick, graphical access to the situation.

TAC VISTA

TAC Vista is the software solution that efficiently controls, checks and analyzes the daily operation and economical running of a building. TAC Vista is available in a variety of packages designed to maximize efficiency and economy. TAC Vista is also modular, making it easy to expand the system as your needs change. Also, TAC Vista is available in an increasing number of languages.

TAC VISTA SERVER AND WORKSTATION

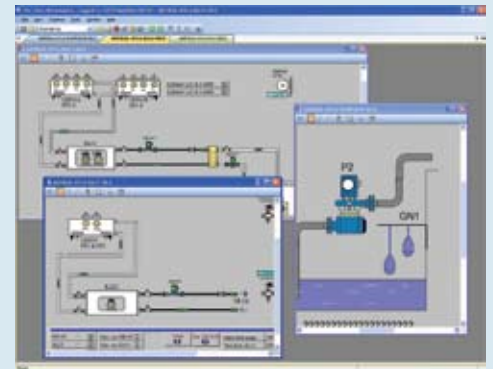
TAC Vista Server provides access to the environmental and security controls for operator workstations, and is the primary operator interface to the control system. It displays daily operations through a graphical user interface, providing operators with ready access to alarms, historical logs and sophisticated data trend logs as well as standard and custom reports.

TAC VISTA WEBSTATION

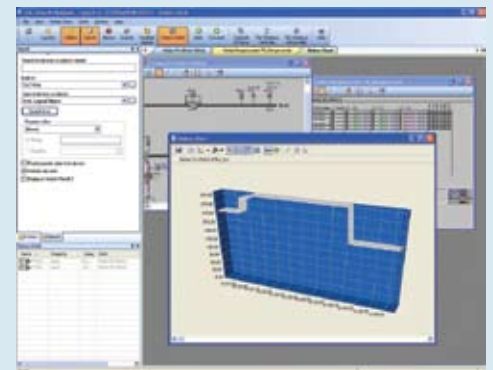
Webstation allows access to the control system using common web browsers. Using any web browser, users can navigate their site, view graphics and trend charts and manage alarms. Webstation provides access to trace events in the system, and the Webstation server provides access to periodic or automatic reports. Using any web browser, users can navigate their site, view graphics, trend charts and manage alarms.

TAC VISTA SCREENMATE

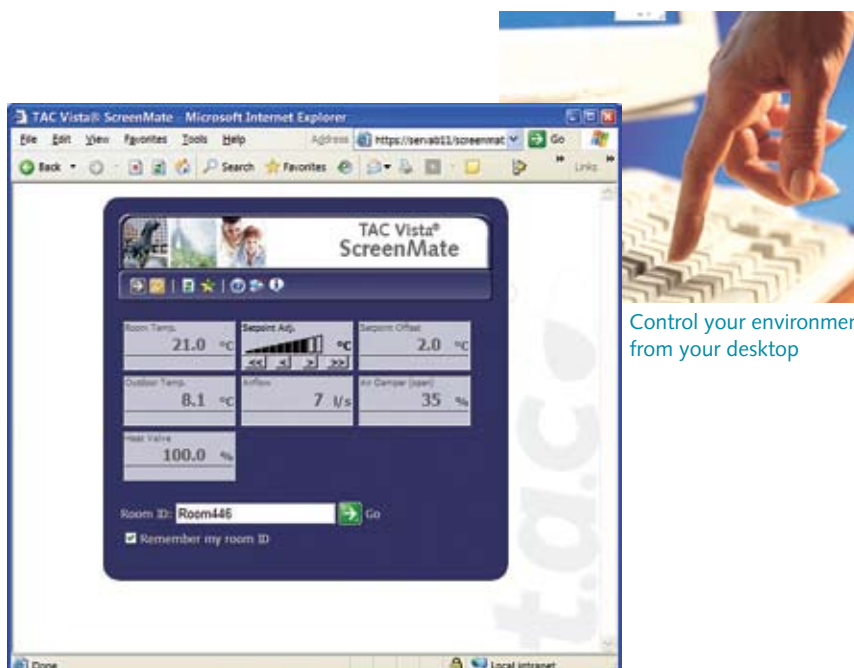
The main task of the TAC Vista ScreenMate is to replace the functionality found in sophisticated room thermostats. ScreenMate makes it possible for users to read and make personal changes to settings such as the room temperature setpoint or to view the outside air temperature directly from the user's PC. The ScreenMate solution is based on standard web technologies and can be accessed from any client device with a web browser.



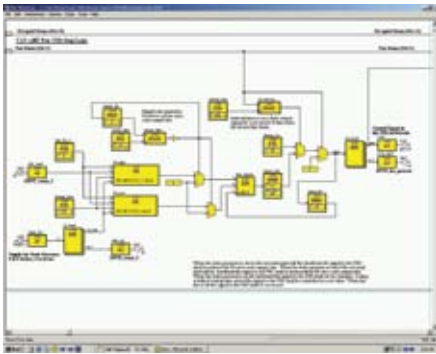
Monitor all aspects of how your building operates



Analyze to improve building performance



Control your environment from your desktop



TAC MENTA™

TAC Menta is the programming software tool for the TAC Xenta™ controllers. You will save time and improve operational reliability with this engineering tool for HVAC applications.

TAC Menta:

- Provides many pre-programmed function blocks and basic application elements
- Monitors offline simulations and online testing with an integrated trend log

TAC XENTA

All TAC Xenta controllers provide open, future-proof system architecture. TAC Xenta controllers provide access to a standardized LONWORKS®-based network technology supporting a flexible control system to which components from other manufacturers can be connected.

The TAC Xenta 100 line consists of LONMARK®-certified zone controllers designed for specific applications such as fan coil, VAV, chilled ceiling and rooftop air handling units.

The TAC Xenta 280 and 300 series of LONMARK-certified programmable controllers are intended for any type of plant room control applications.

The LONMARK-certified TAC Xenta 401 controller and the TAC Xenta 400 I/O modules are programmable and intended for larger applications.

The TAC Xenta 511 is a cost-effective method of monitoring small-scale LONWORKS-based networks. The TAC Xenta 511 works like any web server, making it easy to monitor and control operations over the Internet.

The TAC Xenta 911 is an Ethernet communication device that lets you communicate with your LONWORKS network over TCP/IP.

The TAC Xenta 913 is a multi-protocol gateway bridging the gap between different protocols and communication technologies – e.g. linking BACnet™, Modbus or M-bus to LONWORKS.

The TAC Xenta 527 is a cost-effective method of integrating the I/NET security system into TAC Vista.

