

FACILITIES MGMT



Wonderware offers superior software solutions for the facilities management industry. These solutions can help you provide higher quality services to your occupants, while minimizing operating costs.

The primary challenges facing facility managers and operators today include:

- Increasing energy costs
- High support contract prices from Building Automation System vendors
- Lack of ability to broadly monitor and control operational costs
- Quality problems for manufacturing companies due to environmental conditions that are not controlled as part of the process
- Heightened requirements for more secure systems
- Integration with existing legacy systems
- Limited personnel to deal with growing demands

Wonderware recognizes the challenges you face, and helps to address them with improved software solutions for facilities management.

EASY-TO-USE, EASY-TO-IMPLEMENT FACILITIES MANAGEMENT SOLUTIONS

In the late 1980s, Wonderware pioneered the use of the Microsoft Windows operating system in the industrial marketplace. A cornerstone of Wonderware success has been the relentless pursuit of easy-to-use systems that are also easy to implement and maintain. That's why Wonderware software is used in more than 450,000 applications worldwide.

Capabilities

- Easily integrates with multiple equipment manufacturers including HVAC, fire, life safety, security, personnel access, energy management, lighting, elevators, emergency generation, sprinklers and refrigeration
- Solid architecture provides common services based on ArchestrA technology
- Open flexible systems based on industry standards
- Broad distribution channel provides more choices for services
- Flexible development environment offers advanced remote application-maintenance and reporting capabilities
- Bulletproof, IT-based security model

BENEFITS

For Manufacturing Facilities

The domain knowledge in manufacturing offered by Wonderware results in solutions that enable more than the integration of the facilities side of the business with the manufacturing side. It also provides a common platform for deployment of total-facility manufacturing systems to analyze manufacturing costs and quality control. It does this while delivering an integrated framework for services for world-class manufacturing facilities.



Wonderware software can improve the operation of your critical facility assets.

For Commercial and Institutional Facility Operators

Wonderware is a leading supplier of open software solutions that empower users to monitor and control operations, improve operational efficiencies and generate reports that comply with regulatory agencies. Facilities management systems focus on integrating Building Automation System (BAS) vendor products within a single software solution, resulting in lower maintenance costs and more operational freedom.

Overall Benefits:

- Reduced energy consumption and optimized operations
- Continuous improvement of facilities operations
- Independence from proprietary vendor-support contracts
- Environmental and process variables that can be coordinated within manufacturing facilities in order to improve quality
- Superior uptime and system reliability
- Higher-quality systems at the same cost
- Reduced operator training requirements

Simplify Maintenance with Remote Deployment

Wonderware provides some of the most efficient software tools available. These tools provide secure and remote system access and make it easier for you to maintain, deploy, administer and manage supervisory applications. Facilities managers and building operations departments can easily deploy and manage automation applications over large networks from a centralized computer. This approach eliminates the chore of installing and maintaining proprietary applications on every computer in the system.

Optimize Performance

Wonderware provides a centralized facilities management system, enabling solutions for:

- Manufacturers seeking to combine factory-floor supervision with facility and utility management
- Industrial or institutional facilities in education, health care, life sciences, government and other industries
- Energy optimization and real-time pricing applications for utilities and physical plants
- Supervisory Control and operations management of transportation systems
- Multi-building campuses, distributed-building monitoring and integrated building systems

Leverage Unparalleled Security

System security is an increasingly critical factor and an essential requirement for facilities managers. Wonderware offers a security model that can be managed and integrated with the IT department Windows OS security system while providing robust data level security. This model optimizes the management of security while protecting the system from cyber, internal or physical risks. Wonderware offers extensive knowledge on securing critical networked applications that coexist with other systems within an open infrastructure.

Collect and Analyze Data from New and Existing Systems

The Wonderware Historian provides out-of-the-box ease of use and flexibility for defining how data is acquired, compressed, stored, archived and retrieved. All data — regardless of its source or time of entry, is fully integrated into a unified and robust information database.

Decrease Your Total Cost of Ownership

Engineering productivity has often been elusive in the development of supervisory applications. With Wonderware solutions, devices and systems used throughout the environment can be modeled as object templates. For example, a room controller can be an object. Once the objects are configured, they can be reused throughout the entire system to easily add additional room controllers as necessary. This approach saves a tremendous amount of time due to the library of applications being tested, debugged, optimized and standardized. The result is simplified maintenance and significant reductions in the total system's lifecycle costs.

Easily Generate Meaningful Reports

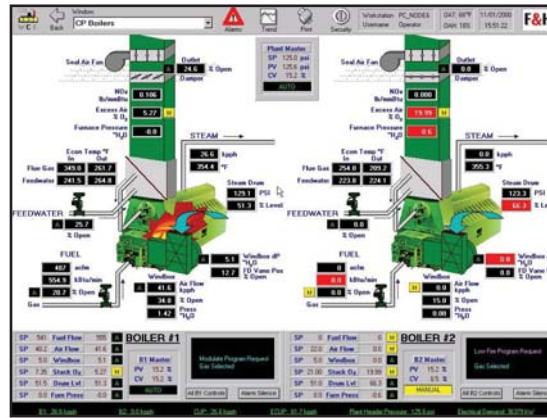
Wonderware software also makes it easy to create the reports needed for operations, management and regulatory agencies. These reports can be completely automated to include information such as hourly, daily, weekly, monthly and yearly real-time and cumulative data, along with trending graphics containing minimums, maximums and averages over various time spans.

Use the World's Leading Visualization and Control Software

The world-famous, award-winning Wonderware software for visualization and automation control offers outstanding ease of use and simple-to-configure graphics. Powerful wizards and symbol libraries facilitate fast creation and deployment of customized applications, quick connections and swift, efficient delivery of real-time information.

Monitor and Control from Anywhere

Applications can be accessed from mobile devices, thin clients, computer nodes and over the Internet without any additional configuration changes. This flexible access enables personnel to securely monitor and control their systems from virtually anywhere, and allows for improved flexibility and productivity of field operations.



Wonderware offers an industry-leading visualization environment which gives you immediate feedback and control.

Capture Domain Knowledge

As the most experienced personnel in the operations department prepare for retirement, facilities managers are faced with potentially losing valuable domain knowledge. Wonderware can help capture this knowledge in object templates, which can be tested, debugged, optimized and reused throughout the organization.

Leverage Open Connectivity

Wonderware recognizes the importance of a new supervisory system's ability to connect to existing building automation systems. Wonderware software does so through the open standards of BACnet, LonMark, Modbus and the OPC protocol. Wonderware offers an extensive selection of device integration servers and protocols in the industry. With a history of providing successful software solutions for the facilities management industry for many years, Wonderware offers not only the most popular protocols, but also many other standard and specialty protocols.

Integration capabilities include:

- Building automation systems
- Transportation control systems
- Industrial control systems
- Fire alarm systems
- Security systems
- Central utility and plant systems
- Energy monitoring / measuring devices
- Business / IT reporting systems
- Relational databases
- Enterprise resource planning (ERP) systems
- Maintenance and asset management



WONDERWARE: THE BEST CHOICE FOR SUPERVISORY SOLUTIONS

Wonderware provides an open architecture that can reduce your system's total cost of ownership. We offer years of experience integrating multiple systems, devices and enterprise applications for thousands of facilities around the world. But don't take our word for it; consider the experience of others by reading the following real-world success story.



Wonderware is used by many customers for utility and building management.

University of Cincinnati

Founded in 1819 and today the largest employer in the Cincinnati region, the University of Cincinnati graduates more than 5,000 students annually and is well-known for its medical programs and relationship with local hospitals. When the university decided to upgrade its facilities management system, operators knew they required an open industrial system that offered robust tools to control and monitor process equipment as well as automate multiple facilities. For this reason, they abandoned their old proprietary distributed-control system (DCS) that they had been using in their utility plants.

Ultimately, the University of Cincinnati's Facilities Management Department selected a Wonderware software solution to provide an open, sustainable supervisory control system which the university could maintain. Today, the university fully leverages the robust, industrial-grade technology offered by the Wonderware system — and will enjoy reliable, efficient and cost-effective operations for decades to come.

For more information on Wonderware Geo-SCADA software solutions, please visit www.wonderware.com/products/scada.



Powering intelligent plant decisions in real time.

Contact Wonderware or your local Wonderware Distributor for information about industrial automation and information software solutions.

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