

SCADA



Visualize

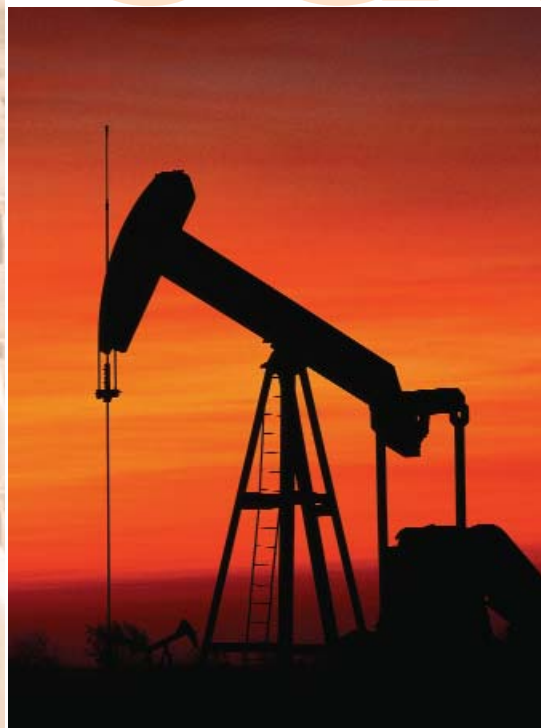


Analyze



Optimize

OIL & GAS



OIL & GAS INDUSTRY CHALLENGES

Today the Oil & Gas industry faces many tough challenges such as:

- Industry consolidation
- An exodus of industry expertise
- Aging oil and gas fields

Wonderware recognizes the challenges with which your operation is faced: the need to make changes that cost-effectively accomplish your goals as you continue to provide reliable service to your customers and improve profitability for your investors. You need a software provider that knows your business and offers solutions to address these challenges.

EASY-TO-USE, EASY-TO-IMPLEMENT SCADA SOLUTIONS

In the late 1980s, Wonderware pioneered the use of the Microsoft Windows operating system in the automation marketplace. A cornerstone of our success has been our relentless pursuit of easy-to-use systems that are also easy to implement. That's why Wonderware software is used in more than 100,000 sites worldwide.

Capabilities

- Wonderware is an independent software vendor that can work with multiple hardware suppliers
- Oil and gas companies can layer optimization and monitoring solutions on top of their existing systems
- Wonderware software connects to almost any device, regardless of the manufacturer
- Operations personnel can centrally manage and remotely deploy applications
- Personnel can securely view the company's operational information from anywhere at any time

Wonderware provides an extremely flexible, maintainable and secure Oil & Gas SCADA software platform. Wonderware solutions are built on and integrated with a single, open, scalable software architecture that can connect to virtually any automation system, remote terminal unit (RTU), electronic field measurement (EFM) server, PLC, database, historian or business system in use today. This enables users to expand their existing

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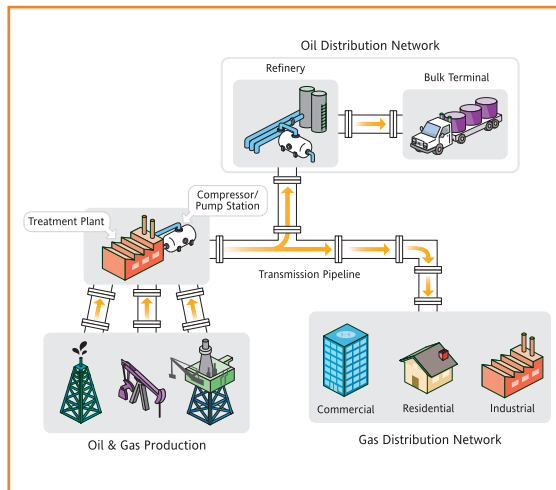
Oil & Gas SCADA systems without having to buy new hardware or control systems.

Benefits

- Dramatic reductions in the time, effort and cost of integration
- Easy application creation and ongoing maintenance across remote facilities
- Substantial increase in the reliability, dependability and stability of the system

Online Changes

Once installed, changes to the system can be made online, without impacting current operations or production quotas.



Use Wonderware from Well Head to End-User

Unlimited Scalability

Applications are flexible enough to enable companies to add equipment such as wells or pump stations, as expansion dictates, while retaining the value of earlier engineering investments and efforts. From a few hundred I/O to 1,000,000 and from a single node to hundreds of stations, Wonderware meets your future system demands.

IT-Friendly Security

Wonderware takes a strong stance on security and has built-in capabilities that enable authentication at every level of the automation process. Wonderware provides data security at the lowest possible level of granularity and extends the Microsoft Windows security model down to the physical-equipment layer, providing security capabilities that specifically match Oil & Gas SCADA requirements.

ENABLING SOLUTIONS FOR:

- Oil & Gas Production
- Performance Management
- Electronic Gas Flow Measurement
- Real-Time Collaboration Portals
- Pipeline Monitoring and Control
- Intelligent Pump Stations
- Dynagraph Monitoring
- Mobile Operations
- Maintenance and Asset Management
- Integration with ERP Systems

Performance Management

Wonderware Oil & Gas SCADA solutions have many capabilities that can assist in measuring key performance indicators (KPIs) such as daily production-performance calculations and deliverability calculations for a well, which can improve visibility into the operation's profitability. Data, alarms and events from all parts of the operation can be aggregated and transformed into useful information for real-time decision-making.

Data Collection and Analysis for New and Existing Systems

Wonderware's historian provides out-of-the-box ease of use and flexibility for defining how data is acquired, stored and retrieved. All data, regardless of its source or time of entry, is fully integrated into a unified information database.

One-Click Redundancy Minimizes Costs

Wonderware offers an exceptionally easy-to-use solution for Oil & Gas SCADA redundancy. This includes redundancy for SCADA nodes, device communications, historical archiving and HMI displays. With a single click of the mouse, a supervisory node can be backed up by another dedicated computer, or two supervisory nodes can back each other up.

Greatly Reduced Total Cost of System Ownership

Wonderware solutions enable distributed peer-to-peer communications. Oil and gas facilities and assets can be modeled within the software. This saves a tremendous amount of time when adding new wells or other monitoring stations

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These communications servers operate over TCP/IP and serial networks supporting dial-up, radio, microwave and satellite communications. The system supports Bristol Babcock, Modbus, Fisher ROC, Kimray and other protocols. Wonderware also has more than 300 custom interfaces available for PLC and DCS systems.

Bringing Down the Cost of ERP System Integration

The Wonderware Enterprise Integration Application offering was developed in response to growing customer demand for lower-cost, greatly simplified approaches to linking diverse sets of automation systems and business applications to achieve greater levels of business productivity. Wonderware's Enterprise Integration Application leverages several technologies including:

- An innovative software architecture for integrating virtually any automation system
- Microsoft's .NET XML and BizTalk Server 2004 technology
- OPC for real-time data connectivity and SQL/OLE DB support for open database integration

WONDERWARE: THE BEST CHOICE FOR OIL & GAS SOLUTIONS

Wonderware is an industry leader in providing open software solutions to the automation marketplace. Wonderware's comprehensive and field-proven SCADA and Performance Management software capabilities empower users to improve operational efficiencies and quality while leveraging existing networks, hardware, software and applications.

We provide an open architecture that is easily expanded and that will lower the overall cost of ownership. And we're the only software provider that has years of experience in integrating multiple systems, devices and enterprise systems.



Wonderware will manage and remotely deploy applications anywhere.

Wonderware software has been used to automate and manage oil and gas production and delivery systems in all parts of the world, for both on-shore and off-shore operations. Whether it is linking remote platforms, unmanned well sites and pipelines over a 1,000-square-mile area in the Gulf of Mexico or optimizing upstream performance in remote oil fields in Eastern Europe, Wonderware software has been and will continue to be the best choice.

GLOBAL NETWORK OF SUPPORT AND SERVICES

Wonderware is also committed to building strong customer relationships by providing a global network of system integrators. Wonderware has invested in a Certified System Integrator Program for SIs with expertise in SCADA solutions. This program helps Wonderware offer flexible solutions that suit customers' individual application needs.

In addition, Wonderware Technical Support and our worldwide network of Certified Support Providers (CSPs) provide consistent, high-quality, localized service in more than 16 languages.

For more information go to:
www.wonderware.com/solutions/SCADA

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