

# OIL & GAS



For either one or thousands of remote terminal units (RTUs), Wonderware provides the most cost-effective, full-featured geographically distributed software solutions for the oil & gas industry. For well surveillance, gas and liquid pipelines and utility monitoring, Wonderware oil & gas software solutions deliver the unique value you need to achieve operational excellence.

## OIL & GAS INDUSTRY CHALLENGES

Today the oil & gas industry faces many tough challenges, such as:

- A workforce that is nearing retirement
- Extra work required to get the same amount of oil out of mature fields
- Coordination of automation devices in today's more sophisticated operation
- The need for better forecasting of customer demands
- Integrating multiple systems for a shared view of operations

## EASY-TO-USE, EASY-TO-IMPLEMENT OIL & GAS SOLUTIONS

In the late 1980s, Wonderware pioneered the use of the Microsoft Windows operating system in the SCADA marketplace. Today, Wonderware software provides an integrated data and application platform. This improves

the way information is combined and displayed as well as enforcing best practices and design standards. Wonderware reusable components and extensible solution structures also can empower you to more quickly address business needs.

## Capabilities

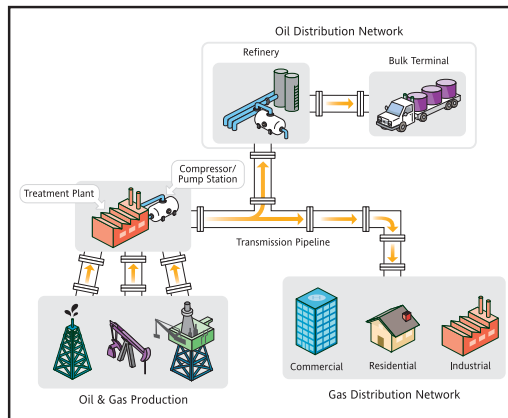
Wonderware oil & gas solutions can:

- Provide one standard SCADA platform for field and pipeline operations
- Enable the creation of standard reusable elements that can be stored in a common component library within a service-oriented architecture
- Scale up or down to incorporate multiple sites and support more assets
- Accommodate diverse network scenarios addressing bandwidth and latency constraints typical in geographically distributed systems
- Enable various operations groups to centrally manage and remotely deploy applications
- Give personnel secure views into the company's operational information from anywhere at any time Wonderware software solutions are built on and integrated with a single, open, scalable software architecture that can connect to virtually any automation system, RTU,

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## Wonderware Oil & Gas Software Solutions

electronic-field measurement (EFM) server, programmable logic controller (PLC), database, historian or business system in use today.



Use Wonderware from Wellhead to End-User.

### BENEFITS

- A shift from a closed, application-centric approach to information management to a more open and service-oriented approach
- Reduced technical requirements for plant personnel
- The lowest total cost of ownership, with lifecycle savings throughout all phases of a project
- Standardized solution architecture allows field operations data in separate upstream systems to be integrated and displayed together
- Once installed, changes to the system can be made online, without impacting current operations or production quotas.

### Reap the Rewards of Unlimited Scalability

The flexibility of Wonderware software applications enables companies to add equipment such as wells or pump stations as expansion dictates, retaining the value of earlier engineering investments and efforts. From a few hundred to 1 million I/O and from a single computer to hundreds of stations, Wonderware meets your needs.

### Enjoy IT-Friendly Security

Wonderware takes a strong stance on security and has built-in software capabilities to enable authentication at every level of the automation process. Wonderware provides data security at the lowest possible level of granularity. This approach extends the Microsoft Windows security model down to the physical-equipment layer, providing

security capabilities that specifically match requirements in the oil & gas industry.

Wonderware software enables oil & gas solutions for:

- Well monitoring
- System and gas treatment plant supervisory control data gathering
- Compressor stations monitoring
- Electronic gas flow measurement
- Pipeline control and monitoring
- Performance management
- Unattended and mobile operations management

### Collect and Analyze Data from New and Existing Systems

The Wonderware Historian is a flexible and easy to use data archive tool. It simplifies 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.

### Greatly Reduce Your Total Cost of Ownership

Wonderware provides a state-of-the-art software platform for SCADA operations. Engineers can reuse the template containing all of the information necessary for supervisory control, such as graphics, scripts, alarms and communication methods. This saves a tremendous amount of time when adding new wells or other monitoring stations.

### Easily Generate Reports

Wonderware software solutions facilitate the creation of reports needed for regulatory agencies and operations. Hourly, daily, weekly and monthly reports containing minimums, maximums and averages over various time spans can be quickly and easily created, printed and saved for regulatory requirements.



## **Mobil Exploration & Producing Controls Costs at Major Oil Field Using Wonderware Software – Bakersfield, CA.**

“We’ve been in a state of rapid change throughout the lease, and the Wonderware applications have added to our success by allowing development of the HMI and SCADA systems along with the process team’s continuous improvement efforts. Wonderware lets us share data across applications, networks, and sites, so we can customize our application to fit our needs.”

## **Chevron Uses Wonderware Software for Supervisory Control & Monitoring of More Than 500 Offshore Wells – New Orleans, LA.**

“We selected Wonderware software because of the low cost and high speed of development, but it’s always giving us more. The technology is there, and we have many tools that we didn’t have before. That’s one reason why we’ve created a SCADA management team, to consider all the possibilities for future enhancements and lay out a plan. We have a much longer-term view now.”

## **Zhejiang Natural Gas Co. Installs Wonderware SCADA Solution to Reduce Engineering & Maintenance Costs – Zhejiang, China**

“Wonderware makes it easy to expand our SCADA system as the pipeline grows. I’m also impressed that Wonderware provides worldwide technical support and services.”

## **GLOBAL NETWORK OF SUPPORT AND SERVICES**

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

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

For more information, please visit [www.wonderware.com/products/scada](http://www.wonderware.com/products/scada).



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