



Maximize Profitability – Minimize Variable Cost

Meet today's well field challenges - by creating a single point to manage the operation of the well field.

See at a glance how the entire field is producing, or drill down for intimate knowledge of an individual well.

Provides reports, alarms, call outs, data storage, and process data management on all assets - and calls attention to those producing at lower than normal rates - all within an easy to use graphical user interface.

Wonderware Well Field Application

MONITOR

- Compare the performance of any process variable to any other
- See a comprehensive view of individual wells – graphical view offers details on flow, pressure, volume, status, alarms, etc.
- Built in alarm notifications – email, text messages and Microsoft® text to speech
- Real time response – delayed notifications are eliminated
- Configure trending, alarms, data acquisition and user interface
- Quickly assess well status – producing at potential or maintenance required

MANAGE

- Real Supervisory Control
- Easy system health indicators – main system summary shows current critical values
- Ease of configuration removes engineering costs
- Logical organization based on your operation - useful and meaningful reports are generated based on the way your business is structured
- Instantly manage underperforming wells - sort on demand reports by asset, route, operator or foreman, and show at a glance whether wells are underperforming
- Manage one to ten thousand wells, or more, on a single system
- Training – logical organization of your operation makes training new operators easy
- Support – top quality, fully trained support staff available.

OPTIMIZE

- Built to be managed by the user
- Communicate with existing wells via ANY industry standard remote terminal unit
- Optimize operator time – focus on off target wells that are in need of maintenance
- Reports and trending – fast, user configurable, on demand reporting
- Embedded security
- On demand reporting – watch arrival times and flow rates, adjust well control algorithms if necessary, and use the Trend Tools to compare before and after tuning
- Enhance or expand your existing well field

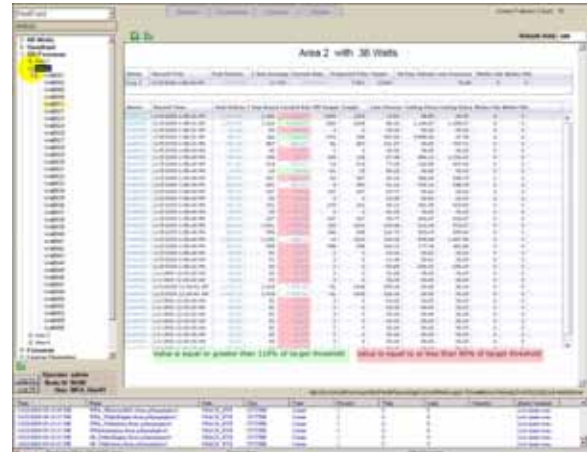
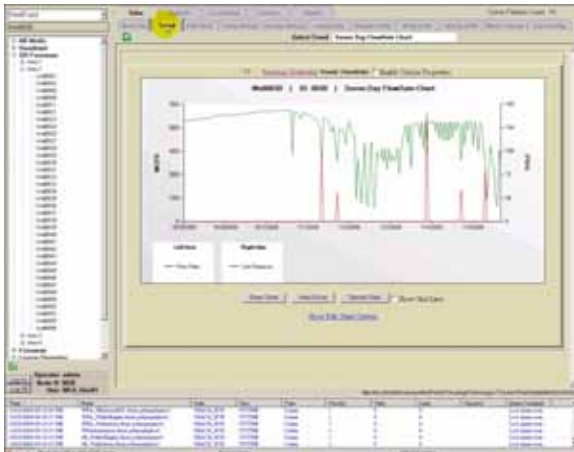


ARE THESE YOUR BUSINESS ISSUES TODAY?

- Maturing well fields with multiple automation generations
- Operations does not have regular production information from wells
- Facilities constraints may be bottlenecking production
- Missed opportunities to optimize production
- Need to extend the life of facilities
- Daily well surveillance required for operation analysis
- Real-time information needed for performance monitoring
- Must maximize profitability of existing resources



Wonderware Well Field Application manages wells by providing on demand reports which can be sorted by asset, route, operator or foreman, and show at a glance whether wells are underperforming or meeting production targets. Assets in need of intervention can be quickly identified, allowing for problem wells to be prioritized, saving time and truck hours.



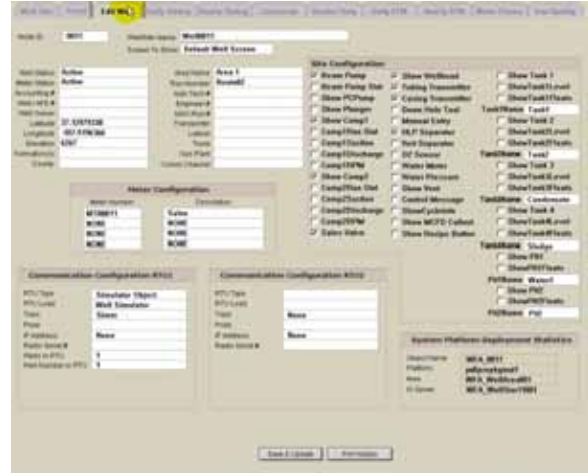
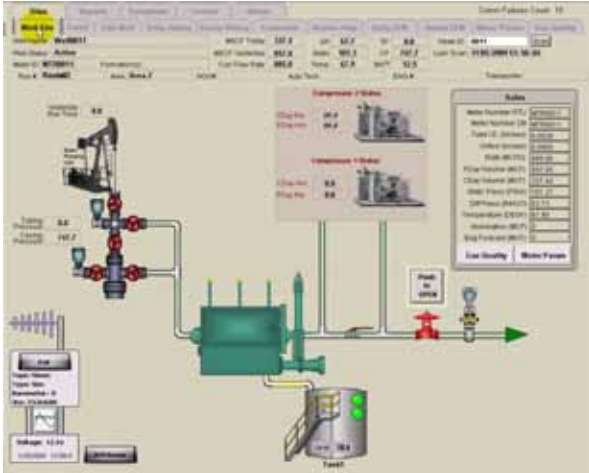
MANY APPLICATIONS USING ONE INTERFACE

The Wonderware Well Field Application provides a suite of installed software to monitor, manage and optimize a well field. This application is built to solve problems and answer the needs of specific roles in well field operations.

Role	Need	Well Field Application
Lease Operator	Information based on real-time data	Easily locates wells to get production summarized data and trends
Automation	Diagnostic indicators to insure continuous field operations	Easily adds and edits new well configurations and connects to any industry standard RTU
Electronic Flow	Correctly configured meters	Connects and configures a wide range of RTUs
Area Supervision	Maximize well field performance	Uses staff effectively
Asset Manager	Analysis of asset performance	Web and mobile access to production reports

MANAGE YOUR WELL FIELD OPERATION

Wonderware Well Field Application fills the specific needs of well field operations by providing SCADA, reporting, configuration and system health features.



MAXIMIZE THE ON STREAM TIME OF WELLS

By optimizing the operator's time to attend wells that are off their targets and calling attention to assets that need maintenance.

SUPPORT FOR COMMON RTU TYPES

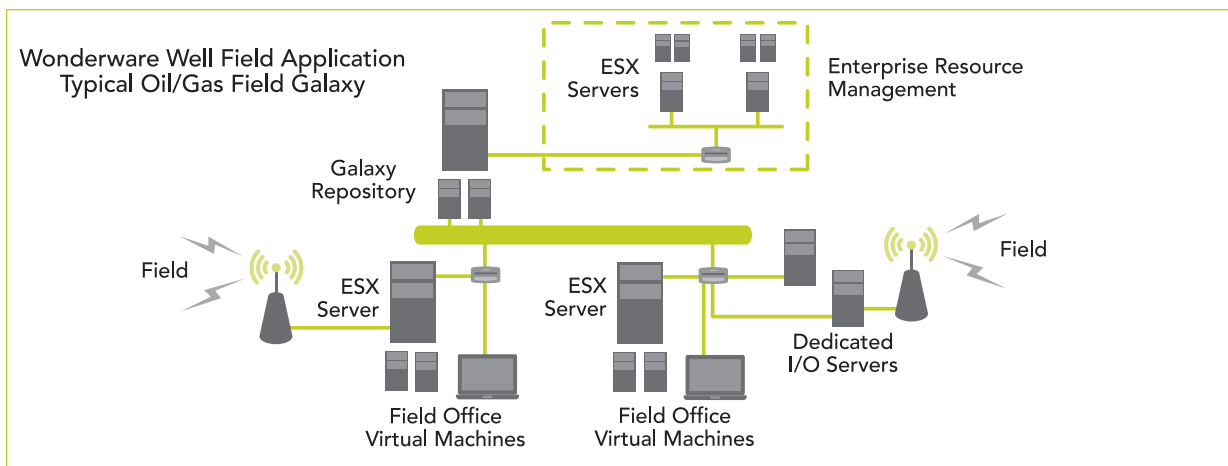
The application has templates for many standard RTU and EFM types but can easily be customized to connect to any PLC, DCS or RTU type in the well field.

BUILT TO BE MAINTAINABLE BY THE USER

As the Well Field Application is data driven, there is no need for expensive programming or engineering resources for routine well configuration revisions, saving time and money. A bulk asset load utility will aid in quickly adding hundreds of wells at a time. The application is scalable from small fields of less than 10 wells to multiple fields with thousands of wells spread across different locations.

A SCALABLE SOLUTION

Built on the Wonderware system platform and using a galaxy database provides the ideal platform for a scalable solution from a small number of wells to a large, distributed well field.





THE INVENSYS APPROACH IS TO LISTEN

Today's increasingly demanding upstream oil and gas operations environment requires a comprehensive, integrated solution. Invensys offers a control system built for on-shore oil and gas well field operations providing full integration of all applications across all departments and functions to create a real time operations management environment.

The Wonderware Well Field Application successfully integrates with your existing networks, hardware, and software, from small fields to large applications in multiple locations anywhere in the world.

WHAT DO YOU NEED?

Lease Operator

Q: Where should I go today? Do I face an environmental issue?

A: Review Main Navigation - easily locate wells, sort by Area, Transporter, Lift Type, Production Gains or Losses. Review summarized data and trends.

Area Supervision

Q: Is my staff being effective?

A: Use discipline based summaries to review by Area, Team, Lift Type, or Custom Groups.

Area Engineering/Gas Accounting

Q: Are my optimization projects affecting volume at the sales point?

A: Manage production by Transporter, Plant Intake, Field, Area, Lease Operator, or Custom Watch.

Asset Manager

Q: How are the assets under my supervision performing?

A: Manage production and losses, easily navigate between field assets. Reports available via web or viewable on handheld devices.

IT/Telecomms Technician

Q: Are all of my field assets reporting properly?

A: Check communications statistics for field devices by areas, groups, or single wells. Check for missed or delayed reports, high transmission errors, or just low batteries, all available via a web interface.

The Wonderware Well Field Application offers one interface for all of your applications, enabling you to work smarter using real time information by asset, operation, area, or full field view. Thanks to the data driven application, a user can configure the site rather than program the site. With installed bases of up to 10,000 wells, you can count on Invensys for your well field application needs.

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