

Oil & Gas Software Solutions



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iconics
Visualize Your Enterprise™

Real-time Collaboration Enables Continuous Improvement

Oil & Gas production, transmission and exploration involves a variety of assets dispersed across large geographies. The ability to monitor the condition, production and efficiencies of assets by users from the board room to field operations, helps drive continuous improvement.



Real-time Asset Monitoring

The new AssetWorX™ technology in GENESIS64™ integrates assets from different systems into a single hierarchical view, with standardized asset classes that define visualization, trending, fault analysis, commanding and workflow. From the wellhead, to metering, to storage and throughout the pipeline, the innovative Asset Navigator provides intuitive and instant access to equipment as well as immediate summary roll-ups to any operational level.

- Condition Monitoring, Fault Detection and Diagnostics
- Redundant, Long Term Storage of Asset Data
- Roll-ups by Region, Field, Patch and Distribution
- ISA95 Navigation and Drill Down to Asset Details

Field Operations Support

Quick access from smartphones, Web browsers, and desktops to real-time and historical data helps predict and avoid faults and assures smooth operations at peak production efficiency. In addition, ICONICS' BridgeWorX™ helps users achieve automatic control and optimization by creating applications such as utility rate adjustment, dispatching and production demand control.

- Smartphone, Control Room and Web Access
- Secure Alarm Notification and Escalation
- Quickly View Assets with GEO SCADA Visualization
- GridWorX™ Access to Database Production Summaries
- Collaboration and Integration with Control Systems



Engineering and Integration

Reduce engineering cost and time with the GENESIS64's Web-based engineering Workbench. It provides a multi-user environment for defining graphics, alarming, calculations, analysis, trends, intelligent smart symbols, templates and SCADA logic. ICONICS' solutions future-proof your investment by allowing easy migration to new technologies.

- Reduced Engineering Cost with Open Standards
- Microsoft SharePoint® Collaboration
- Engineer Once, Deploy to "Any Glass" and "Any Device"
- Easily Import and Animate from AutoCAD and More
- Create Custom Performance Calculations





Wellsite, Field & Distribution Production Accounting

ICONICS' high performance Hyper Historian™ assures continuous archiving of vital production data for instant visualization, reporting, alarm notification and trend replay. Analyze long-term historical data and compare it to ideal standards for maximum production. Use MergeWorX™ to seamlessly integrate historical data from any newly acquired lease into the Hyper Historian.

Predictive Analytics Solutions

GENESIS64's new Fault Detection and Diagnostics (FDD) technologies can quickly predict equipment faults and energy inefficiencies and help identify probable causes. Create solutions with AnalytiX™, which can monitor compressor characteristics providing alert notifications of out-of-spec performance or assure that well "pump-off" settings maintain maximum production with minimum utility costs.

Unified Communication and Integration

GENESIS64 provides a scalable and distributed architecture that can integrate all aspects of oil and gas production. Adherence to open standards assures connections to all assets. ITFrameWorX™ database access technology seamlessly integrates with ordering, scheduling and field management systems. Custody Transfer is supported through tight integration with systems such as FlowCal and PGas.

- OPC
- OPC-UA
- Modbus
- DNP3
- Bristol
- FisherROC
- SQL
- Web Services
- ODBC
- SNMP
- ORACLE
- SAP



Industry Applications

- Tank Farms
- Custody Transfer
- Oil and Gas Pipelines
- Pipeline Leak Detection
- Drilling Operations Equipment Monitoring
- Well Automation On-Shore and Off-Shore
- Gas Field Asset and Production Monitoring

Benefits

- Reduced Engineering Costs
- System Wide Visibility into Operations
- Integrates Field Equipment, MES and IT Data
- Higher Level of Security for Entire Operation
- Rich Visualization with 2D,3D and GEO SCADA
- Improved Project Management and Deployment
- Investment Protection with Unlimited Scalability
- High Availability through Multiple Redundancies
- Fast Plant Hyper Historian with Performance Calcs

"Future-proof your HMI/SCADA & Analytics Investment"



Founded in 1986, ICONICS is an independent software developer of award winning real-time visualization, HMI/SCADA, manufacturing intelligence, building automation and energy/sustainability solutions. With over 250,000 installations worldwide, ICONICS products are used in automotive, building automation, oil & gas, pharmaceutical, renewable energy, utilities, water/wastewater, and many other applications.

ICONICS, a long standing Microsoft® Gold Certified Partner, utilizes the latest Microsoft technologies and is proud to be the winner of multiple awards for technology leadership. This includes receiving the 2012 Microsoft Sustainability Partner of the Year Award.

ICONICS cultivates an international culture of innovation, creativity and excellence in product design, development, technical support, sales and service. This has resulted in market leadership in advanced visualization, analytics, productivity and sustainability solutions. The company is headquartered in Foxborough, Massachusetts, USA with offices throughout the United States, Europe and Asia.

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Further information:

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