

# Oil, Gas & Petrochemical

## Innovative Software Delivering the Needs of the Oil and Gas Industry

### GENESIS32™ Modular HMI / SCADA Automation Tools

Software suite integrates visualization, alarming, reporting and trending

### Web-Enabled Distributed SCADA Operations

Access, monitor and control over Web-based Internet or intranet

### Traceable Alarm and Event History

All operator actions, system events and alarms are retained

### Data Historian Logs to Secure Databases

Store and retrieve real-time alarm and events to industry standard databases such as Microsoft® SQL Server®, MSDE, Microsoft Access and Oracle® to aid in record retention

### OPC Plug and Play with Popular DCSs, PLCs and RTUs

Industry standard OPC connectivity for fast, easy communications

### Connect Real-Time Production to Corporate IT Systems

Open database connectivity within HMI, database-to-database transactions, and reporting via OPC, ODBC and OLEDB

### Multimedia Alarm Notification of Critical Parameters

Schedule and deliver alerts via e-mail, phone, fax, SMS pagers and more

### Secure Audit Trails Track Operator Control Changes

Automatically track and log operator actions into a secure database

### Regulatory Reports with Real-Time and Corporate Data

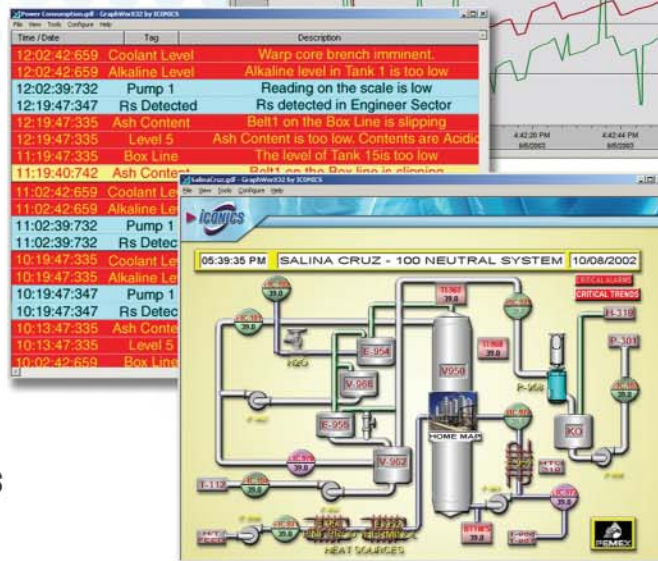
Publish event or schedule-based reports from multiple data sources in real-time

### Project Management and Deployment Tools

Easily deploy projects, collaborate, and manage applications

### Built-in Mission Critical Redundancy

Create non-stop mission critical automation applications with DataWorX™32



**"Proven Innovation for the Oil, Gas & Petrochemical Industry"**



Visualize Your Enterprise!™



The **ICONICS GENESIS32™** suite of applications offers features and functions specifically designed to aid oil and gas companies in managing operations.

#### **Oil, Gas & Petrochemical Industries Served**

For systems requiring superior monitoring and control, the following industries are benefiting from ICONICS' solutions:

- Production Companies
- Transportation Companies
- Equipment Suppliers
- Tool Manufacturers
- And Many More ...

#### **Benefits**

Customers who are deploying ICONICS' solutions in their oil and gas applications will enjoy many potential benefits:

- View trends and alarms anytime, anywhere via the Web
- Reduce transmission cost with Web-based SCADA
- Secure operations via operator accountability
- International language switching
- Customizable regulatory reporting
- Plug & play with open standards



**GENESIS 32™**



**BizViz™**  
Bridging the Plant Floor to the Enterprise



**Microsoft**  
**GOLD CERTIFIED**  
Partner



Microsoft  
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For further information call  
**508-543-8600**  
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**www.iconics.com**



**Visualize Your Enterprise!™**

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## **Overview**

Oil and gas companies need to manage and control their operations while meeting regulatory requirements of federal and local governments. The **ICONICS GENESIS32™** suite of software products provides a method of building a system tailored to the organizations' needs, providing a means for monitoring and controlling the overall operation from a single location while connecting all satellite and remote sites with secure and reliable networking technologies (LAN, WAN and the Internet).

## **GENESIS32 Modular Suite of HMI / SCADA Automation Tools**

Fast and easy integration into your product solutions using state-of-the-art technology, fifth generation HMI, SCADA and control software applications as a fully integrated suite or as modular components.

## **Web-Enabled Distributed SCADA Operations**

The **ICONICS GENESIS32** suite enables monitoring and control of multiple locations with one software system. Not only can you monitor and access individual locations such as well heads, pumping stations or cooling towers, but you can also control entire pipelines and plant operations across intranets via wireless Pocket PCs.

## **Traceable Alarm and Event History**

Record operator set-point and control changes using the GenEvent Server component. The GenEvent Server also creates a traceable history of other "system events." Include important items such as startup/shutdown sequences and times, operator login events, security issues, trouble reports, and much more.

## **Data Historian Logs to Secure Databases**

Both the **ICONICS AlarmWorX32** Logger and the **ICONICS TrendWorX32** Logger record their information to industry standard databases, including Microsoft SQL Server, MSDE, Microsoft Access and Oracle.

## **OPC Plug and Play with Popular DCSS, PLCs and RTUs**

Hook up to existing devices quickly and easily using open-standard OPC servers. Connect directly to dozens of popular PLCs and other automation equipment. The **ICONICS GENESIS32** software is built from the ground up using OPC technology, and therefore requires no time-consuming tag-database interfaces.

## **Connect Real-Time Production to Corporate IT Systems**

Any data available with proper security through your IT network may be displayed or modified within the **GENESIS32** software suite via OPC, ODBC and OLEDB open database connectivity. Database-to-database transactions and reporting are flexible with **ICONICS' ReportWorX.NET** software, which acts on real-time data to direct information to the places where it is most needed.

## **Multimedia Alarm Notification of Critical Parameters**

Quickly alert operations, maintenance and purchasing personnel to problems. **AlarmWorX32 Multimedia**, which is based on OPC Alarm and Events, provides alarm summary reporting and alarm logging to Microsoft® Access, MSDE, Microsoft SQL Server® and Oracle® databases. Connect alarms to e-mail, faxes, telephones, marquee, pagers, instant messaging, SMS, mobile phones and voice systems.

## **Secure Audit Trails Track Operator Input and Control Changes**

Using the GenEvent™ Server, a standard part of **GENESIS32**, keeping track of operator input changes is automatic. This tracking system records the date and time stamp along with the name of the person performing the action, as well as the value entered and the tag name being affected. In addition, **GENESIS32** also captures the node name, thus recording information pertaining to who, what, when and where.

## **Regulatory Reports with Real-Time and Corporate Data**

Meet regulatory requirements and business needs with custom reports based on real-time events or schedules, from multiple OPC and ODBC data sources via e-mail, fax, Web publishing, and network printing.

## **Project Management and Deployment Tools**

Deploy a project by simply packing it and then unpacking it on the target computer. **GENESIS32** is integrated with Microsoft Visual SourceSafe® technology for accurate project management.

## **Built-in Mission Critical Redundancy**

**DataWorX™32** integrates OPC data redundancy and OPC server bridging for non-stop mission critical HMI, SCADA and control applications.

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