

THE ICON

Issue 9 - Fall 2013



Visualize Your Enterprise™

Visualize



Analyze



Mobilize



VISUALIZE

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From the Desk of

Russ Agrusa

ICONICS President, CEO &
OPC Foundation Board Member

Software has revolutionized how we do business. It has given us the capability to store vast amounts of data and tools to perform analysis and thus turn big data into useful information. We are now seeing that automation systems are evolving from a world that is Server-Centric to one that is Services-Centric. This was the message that was delivered by Microsoft at their recent Partner Conference in Houston. This game change requires innovation in cloud and mobile device software solutions which can operate in hosted, private and public clouds. With our version 10.8 product release, a new technology called the "Cloud Connector" delivers real-time data from connected devices such as meters, sensors and processors to and from the cloud with the strictest security.

New Patent Issued to ICONICS:

ICONICS has recently been awarded an important new US patent! Patent #8,321,806, entitled "Visualization of Process Control Data," relates to a new method of visualization regarding real-time data and Smart Pin technology. This technology is incorporated into many ICONICS products and demonstrates our continued technological leadership as a software automation supplier.



ICONICS has been hard at work on its next generation of software automation products that help transform big data into visual intelligence. In keeping with our technological leadership in real-time solutions for energy, industrial and building automation, we are pleased to announce the release of our product line-up at the ICONICS 2013 Customer Summit in Newport, RI. There are hundreds of time saving and important new features in these products. Beginning with our flagship product GENESIS64™, which has been designed from the ground up for 64-bit operation, and maximizes the advantages of the latest Intel 64-bit processors, it also provides the highest performance and memory headroom. The latest Hyper Historian and Analytics products have had many key improvements as well. In this release we introduce a new SPC Quality AnalytiX® product.

ICONICS has focused its efforts in several key strategic and core areas:

- ▶ Compliance with Microsoft Windows 8 & Server 2012
- ▶ Compatibility with Microsoft SQL Server 2012
- ▶ Azure Cloud Web Enabled Applications
- ▶ OPC UA and BACnet Certification and Compliance
- ▶ Achieve the Highest Software Security Levels
- ▶ New Any Glass Mobility Product for any Smart Phone, Tablet and more
- ▶ Microsoft Kinect Integration for Natural Multitouch, Speech, Gestures and More
- ▶ GEO SCADA with Esri GIS, Bing and Google Maps
- ▶ Big Data and AnalytiX Improvements for Energy, Productivity and Fault Detection
- ▶ New SPC Quality AnalytiX Product
- ▶ Advanced HMI with 3D Visualization & Integration with Autodesk

Our investment in Natural User Interface spans desktops, phones, tablets and other smart devices. Based on many years of research, ICONICS can now turn any surface, wall, TV or projection screen into an interactive touch screen using Microsoft Kinect technology. Gestures, body movements and other interactions can be used in combination with Smart tiles and 3D to create secure interaction to command any application.

The new MobileHMI™ product is a technology marvel. Creating rich, real-time universal visualization for smartphones, tablets, Web Browsers or Web-enabled HDTVs is effortless. Simply download the MobileHMI App from the Windows Store, Apple or Google app stores and you're ready to start. What makes the MobileHMI technology unique is its simple patented configuration technology that delivers secure visualization natively to Windows 8 devices such as the Windows Phone and the Surface, as well as HTML5 enabled devices.

Overall, technology is expanding at a rate where it is difficult to keep abreast of yet develop products for. Many different game changing technologies are appearing every day. Advances in Smart phones, Operating Systems, Cloud computing, Big Data analytics and Natural User Interfaces is keeping ICONICS up at night, excited and motivated to bring you the latest in software automation solutions.

Sincerely,

Russ Agrusa



MobileHMI Any Glass, Anytime



The new MobileHMI product is a technology marvel. Create rich, real-time universal visualization for mobile dashboards for energy, quality or production metrics in real-time from any Smartphone, Tablet, Web Browser or Web-enabled device. Ground-breaking Smart Tile, AppHub and configuration technology helps simplify deployment to any Microsoft, Apple or Android device through innovative WinRT and XAML-to-HTML5 technology for delivering HMI/SCADA solutions.



With ICONICS' revolutionary MobileHMI technology, executives, operators and technicians have the capability to monitor their data and equipment from anywhere reducing the time it takes for issues to be recognized and fixed. Designed from the ground up to be simple and effective, MobileHMI is a must-have mobile software solution for anyone monitoring critical building, manufacturing or industrial applications.

Universal Visualization on Smartphones, Tablets, Web Browsers and HDTVs

With recent advances in the mobile industry, aspect ratio now governs the appropriate layout on devices. With GraphWorX64™ for Mobile Devices, users have the ability to easily choose from a variety of pre-configured device templates that include resolution, aspect ratio and a faceplate to mimic the look of the selected device.

Mobile Client Technology

Use MobileHMI with Microsoft Windows Surface tablets, Windows Phones, Apple iPhones, Apple iPads, Android devices, Web-enabled HDTVs or any other Web-connected device to create rich, real-time universal visualization. Try our Any Glass, Anytime™ technology now by downloading our native apps from the Microsoft Store, Apple Store or Google Play Store!

Smart Tile Technology

For viewing KPIs, providing drill-down navigation, or creating elegant menus, Smart Tiles can be used in custom application displays and in the AppHub, providing a consistent user experience and real-time feedback for changes on any device.

Mobile Server and Cloud Ready

Running on the latest Windows Server platforms, MobileHMI's server can be located anywhere, even as a scalable cloud application. MobileHMI's lightweight installation makes it an easy choice for virtualization and cloud enterprise.

MobileHMI is a full HMI/SCADA client that is quick to download and install on your favorite smart device and securely connects to any manufacturing, industrial or building automation system. If you want information at your fingertips and want to see real-time, historical, alarm, energy, quality, production or other critical information, then MobileHMI is just what you need. Add MobileHMI to your existing application today and quickly access KPIs, trends, alarms, scorecards, GEO SCADA visualization and much more.



MobileHMI on an iPhone

Key Features & Benefits

- Instant Access and Analytics via Smart Devices
- Designed for Secure Real-time Operations
- Easy to Set Up and Simple to Deploy
- Create Mobile Applications with HTML5
- Drill Down to Any Asset Detail
- Real-time Data, KPIs, Scorecards and Metrics
- Smart Tiles for Instant KPIs and Alerts, Anytime, Anywhere

To learn more about MobileHMI, visit:
www.iconics.com/mobilehmi



In September 2013, ICONICS announced the release of GENESIS64™ v10.8! Several new product technologies and exciting enhancements were added to this new release. In particular, ReportWorX™ Express, the Cloud Connector for Windows Azure™, Distributed AssetWorX™ scalable architecture, and a brand new ScheduleWorX64™ were all introduced in the 10.8 version. ICONICS also spent significant effort to achieve OPC Foundation certification and the prestigious VMware Ready™ status. Hundreds of new features were added to v10.8 such as:

- Certified for Compatibility with Windows 8 and Server 2012
- ReportWorX™ Express Add-in for Excel 2010 and 2013
- PortalWorX™-SL Smart Tile Technology
- Natural User Interface with Microsoft Kinect Sensor
 - Multitouch, Speech, Gestures and Body Motion
- GraphWorX™64 Time-saving Features
 - AutoCAD File Import/Export Capability
 - EarthWorX™ Esri Integration with Multiple Layers
 - New Video PTZ Control
 - Smart Tile Technology
 - Advanced Night Color Mode Support
- Extensive BACnet Support
 - EDE Offline Configuration File Support
 - Trend, Scheduling and Alarm Object Support
- ScheduleWorX™64
 - Desktop and WebHMI ScheduleWorX64 Viewer
 - BACnet Schedule Objects and Native Schedules

AssetWorX features intelligent S95 asset technology to organize any system, simplify engineering and enhance navigation. New for v10.8, AssetWorX now offers a distributed architecture for increased scalability. For larger applications, distributed asset trees can be used to create a hierarchy of AssetWorX servers. Splitting assets into subdivisions based on a logical tiered structure allows for more granular security layers and facilitates cloud based architectures.

Cloud Connector for Windows Azure is a new cloud technology introduced in GENESIS64 v10.8, which delivers secure real-time data from devices such as meters, sensors and processors to and from the cloud with the strictest security. The Cloud Connector is IT friendly and requires no changes to firewalls or corporate infrastructure. When combined with our AnalytiX®, MobileHMI and Big Data Hyper Historian™ products, ICONICS offers a complete set of solutions that can help any organization move from being server centric to the new cloud based services centric technology.

GraphWorX64 includes many new time-saving deployment features and usability enhancements. In addition to the ability to import and export Autodesk file formats and leverage Esri Mapping layers to geographically correlate assets, users can now utilize a new video control in their operational displays. Advanced night color mode offers on-the-fly or even dynamically switching color themes based on situational requirements.

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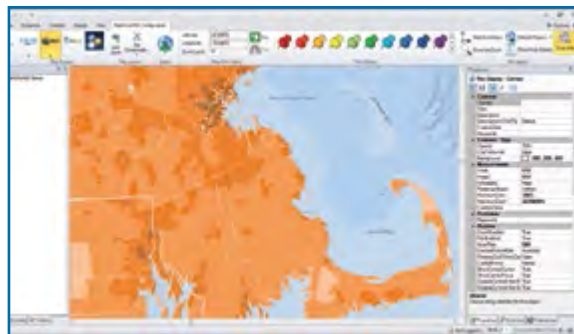
new

EarthWorX

GEO SCADA Now with Esri

Geographically distributed application assets are best monitored by a mobile workforce. Esri has been providing quality mapping software for over 40 years and offers comprehensive mapping for any location in the world. Integrating GraphWorX64 HMI software with Esri mapping and authentication allows users to combine the power of both software solutions to provide unparalleled visualizations. Because of the level of integration, GraphWorX64 objects can still be placed on top of Esri maps allowing for GEO SCADA enabled dashboards. EarthWorX Layers can also be implemented to display Esri data layers (e.g., weather).

A valid Esri account and Root URL can be entered while in GraphWorX64 Configuration Mode.



Esri Population Map in EarthWorX

- Multiple Esri-based Maps
- Show and Hide Esri Data Layers via GraphWorX64 Dynamics
- Overlay GraphWorX64 Objects on Esri Maps for Powerful GEO SCADA Displays
- Enhanced Bing Maps Support
- Google Map Support

To learn more about ICONICS' GEO SCADA solutions, visit:
www.iconics.com/geoscada



Over 300 New Features

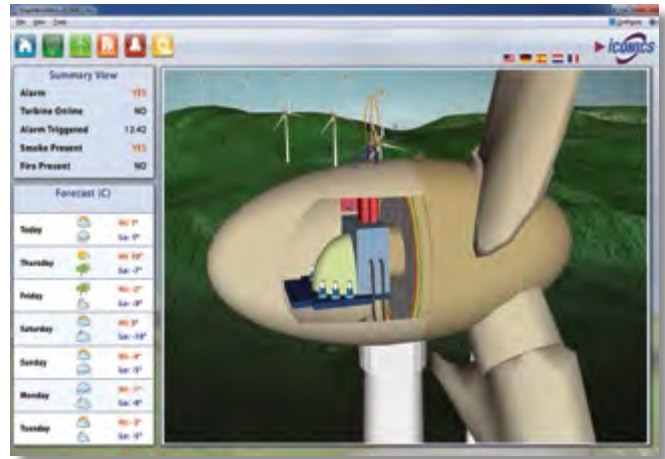
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Smart Tiles are now available in GraphWorX64, MobileHMI and PortalWorX-SL! Smart Tiles are simple .NET controls that allow users to create a simple and elegant way of displaying concise, actionable information that is easily identified. Flexible and customizable, Smart Tiles can be used for many purposes, including the intuitive display of Key Performance Indicators (KPIs), alarms and alerts, dynamic labels and navigation buttons.

Based on its longtime partnership with Microsoft, ICONICS has taken advantage of the entire Microsoft technology platform, including Microsoft .NET, SQL Server, SharePoint®, Windows® Server 2012 and Windows 8. Microsoft Bing, Google and Esri geospatial maps can be combined with real-time information, creating powerful GEO SCADA solutions. Access information from anywhere, anytime and on any platform using the WebHMI browser based solution and HTML5 technology.

GENESIS64 is the most advanced HMI/SCADA solution, and the leader in next generation 64-bit automation visualization software solutions. Across all industries, GENESIS64 bridges data connectivity, aggregation and visualization to provide the most flexible and comprehensive software suite for your HMI/SCADA needs now and in the future. As a Microsoft Gold Certified Application Development Partner, ICONICS

is uniquely positioned to remain in line with the most advanced technology available. The HMI/SCADA package seamlessly combines the newest proven technologies while leveraging the years of experience gained from its predecessor, GENESIS32™.



3D Windfarm GENESIS64 Solution

Explore all of these features and more with GENESIS64 v10.8! To learn more visit: www.iconics.com/genesis64



new

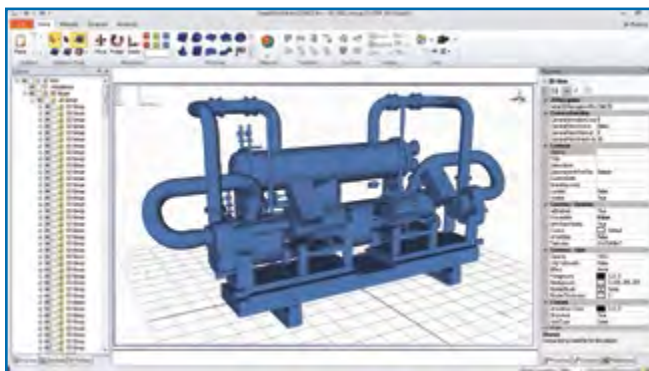
Autodesk AutoCAD

Automatic Import/Export

Autodesk's AutoCAD software is an industry standard among engineers. With the release of the new GENESIS64 v10.8, ICONICS now supports import and export of the popular Autodesk DWG file format. ICONICS supports DAE (COLLADA), 3DS, OBJ and 3D XAML. The addition of the standard AutoCAD format

allows a large base of 2D and 3D models to be used in HMI/SCADA Applications. ICONICS is an Autodesk partner and works closely to support AutoCAD formats.

With existing 3D models, users can now select which object layers they want to import and fine-tune quality in using GraphWorX64 Polygon Reduction. Polygon Reduction is recommended upon import due to the engineering tolerances most models are designed to meet. For real-time viewing, smaller models perform better and provide smooth user experiences. Once imported, models are freely editable via selection tools for object, face, edge and vertex. GraphWorX64 is able to utilize any subset of the model for dynamic animation or pick action. Models can also be saved as symbols for reuse within multiple GraphWorX64 displays. With the addition of Autodesk import and export, GraphWorX64 has solidified itself as the most comprehensive 3D HMI/SCADA tool.



Chiller Imported into GraphWorX



new

Quality AnalytiX

Brings SPC to Everyone

The demand to increase product quality and reduce scrap is critical in many manufacturing applications. The expectation to have Six Sigma or better conformance to product specifications is required today. Achieving best-in-class quality output requires continuous analysis and real-time quality control. Quality AnalytiX® is an SPC quality analysis solution that is very easy to use and apply to any quality monitoring application, yet simple enough to configure and deploy. It offers an extensive set of SPC calculations, control charts, portal dashboard views and standard quality reports that can be applied in a variety of combinations to help pinpoint quality outliers.

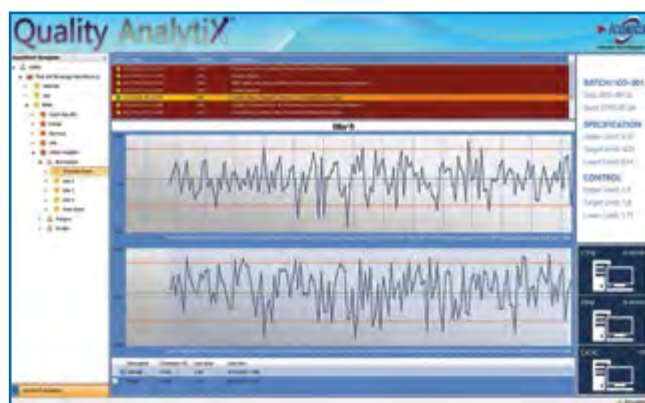
many more. Users can also integrate SPC data into expressions and logic to drive corrective actions based on process trends.

Quality AnalytiX uses Hyper Historian technology. The architecture supports large enterprise-wide SPC quality programs as well as applications requiring very fast sample rates. Quality AnalytiX applies ICONICS browser-independent visualization technology enabling it to publish all charts and dashboards to any browser, tablet or smartphone. ICONICS multimedia alarming can notify users of quality deviations through SMS, emails, alerts and marquees.

Key Features & Benefits

- Complete Suite of SPC Quality Software
- Quickly Identify Scrap and Improve Quality
- Interactive Control Charting and Visualization
- Fully Configurable Calculations and SPC Alarms
- Standard SPC Quality Reports with X-bar, Histograms, S-Bar and CPK and More
- Universal Connectivity to Quality Sensors, Gauges and Much More

Quality AnalytiX enables operators, quality personnel, manufacturing engineers and management to view quality SPC data and other production parameters impacting product quality. Apply any of the extensive set of SPC calculations to any process variable: X-bar, R-bar, sigma, moving average, EWMA, Cpk, Ppk and



Quality AnalytiX SPC Dashboard with Alarms

To learn more about Quality AnalytiX, visit:
www.iconics.com/qualityanalytix



new

ReportWorX Express

ReportWorX™ Express is a new, user-friendly way to unlock access to all of your ICONICS data! It is a powerful Excel plug-in that allows the user to mine data from a variety of sources, including OPC UA, OPC DA, OPC HDA, Hyper Historian, AlarmWorX32/64, TrendWorX32/64 and Quality AnalytiX. Streamline the Energy Star reporting process with this convenient new way to generate reports appropriate for submission into the U.S. Government EPA Energy Star initiative.



ReportWorX Express Ribbon

ReportWorX Express is included with GENESIS64, Hyper Historian and AnalytiX products. It integrates with ICONICS Security Server so role-based reports are available to authorized users. It is also available to any BizViz and GENESIS32 users to access their AlarmWorX32 and TrendWorX32 historical trend data.



Energy AnalytiX Key Features

Energy AnalytiX® is making a prominent impact in energy and facilities management, within some of the largest building and real estate portfolios in the world. Customers on average save between 6 to 10% in annual energy costs with an ROI of less than 18 months. Best of all, this is done entirely on existing networks with existing equipment so there's no need for costly retrofits.

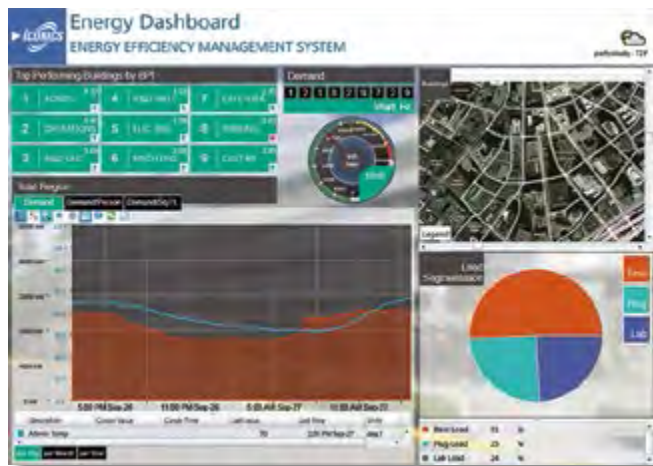
Energy AnalytiX is an off-the-shelf Energy Management Solution that focuses on energy data analysis to increase efficiency and reduce operational costs. It assists with improving energy usage patterns, monitoring energy reliability, and forecasting energy consumption through rich, browser-independent visualization on any device.

Quick Connect to Meters

Energy AnalytiX features numerous time-saving usability improvements to expedite deployment, including the ability to quickly connect to meters using auto-configuration templates. Simply select the meter manufacturer and model number, and Energy AnalytiX does the rest! A simple wizard generates the meter configuration, device parameters and tags by leveraging the powerful AssetWorX infrastructure. Aliases for device name, port, server node and more allow users to quickly deploy thousands of meters in no time!

Cost, Consumption and Carbon Views

A high-performance energy viewer with drill down capability correlates cost, consumption and carbon for any energy asset. Assets can be buildings, manufacturing processes, industrial or simple equipment.



Energy Efficiency Dashboard

Key Features & Benefits

- Quickly connect to meters using auto-configuration logic to expedite deployment time
- Degree Days Analysis to normalize energy consumption trends based on weather data and other external factors
- Energy Star Reports to streamline submission of data to Energy Star's Portfolio Manager for energy, water or IT energy usage reports
- Charts with "Big Data" performance improvements to facilitate analysis of large amounts of consumption data in an easy to understand format

To learn more about Energy AnalytiX, visit:
www.icons.com/energyanalytix



Facility AnalytiX Key Features



Facility AnalytiX Dashboard

Facility AnalytiX is a predictive equipment diagnostic solution that uses ICONICS' advanced Fault Detection and Diagnostics (FDD) technology to analyze information to detect and predict faults in equipment. It uses powerful S95 asset technology and incorporates algorithms that weigh the probability of faults and advises management, operators and maintenance personnel of actions to prevent equipment failures or excessive use of energy. Its unique fault viewer quickly identifies the most costly faults to reduce downtime and engineering

To learn more about Energy AnalytiX, visit:
www.icons.com/facilityanalytix



Awards & Certifications

OPC and VMware Certified

ICONICS, as part of its effort to achieve interoperability with other automation products, conducts compliance and certification testing with Windows, SQL Server, Hyper V, VMware, OPC, BACnet and other popular standards. ICONICS recently received its certification from the OPC Foundation for its GENESIS64 Platform Services for OPC DA Classic, OPC UA Client and OPC UA Server. Certification involved rigorous testing by the OPC Foundation Test Laboratories staff, executing hundreds of functional and interoperability tests. In August 2013, ICONICS received its VMware certification for its suite of GENESIS64 and AnalytiX v10.8 products. Earlier in 2012, ICONICS also received its certification from the BACnet Test Labs (BTL) for the BACnet Advanced Workstation.



2013 Top Products Award Winner

ICONICS Energy AnalytiX received the 2013 Top Products Award from *Building Operating Management*. BOM publishes the *Building Operating Management* Magazine and the Facilities.NET online portal, and recognized the power of Energy AnalytiX as a sustainability and energy management solution that helps reduce energy costs, cut consumption and curtail carbon-based greenhouse gases generated by manufacturers, buildings and factories. The solution's ability to integrate data from any electric, gas, fuel, steam or water meter, as well operations and business variables, delivers the insight needed to identify improvement opportunities. This award is based on votes from readers who selected their choices for top products that met the criteria of innovation and usefulness to facility managers.



Poste Italiane - ICONICS Automates 59 Postal Sorting Centers

Italy

Poste Italiane represents a national postal system of Italy which processes over 7 billion pieces of mail in sorting centers, operates thousands of post offices and manages thousands of employees.

Poste Italiane selected ICONICS' GENESIS32™ Web-enabled HMI/SCADA and BizViz suite of products. The BizViz Manufacturing Intelligence and business visualization suite, including PortalWorX™, ReportWorX™, BridgeWorX™ and MobileHMI™.

The key benefits derived from the solution include complete end-to-end value chain integration between production and enterprise-level information, access to real-time information, which empowers employees and managers to operate and collaborate at higher performance levels and unmatched connectivity, flexibility, and visualization. The system also enables decision makers to react faster to unexpected situations and make better decisions due to ICONICS' powerful integration capabilities in connecting to and leveraging information from several diverse data sources such as sorting, address recognition, material handling tracking, weighing and packaging, financial,

and production planning systems.

Additional value was realized by integrating this real-time manufacturing intelligence solution with various modules for entire value chain optimization. The

solution is integrated with SAP (PP/DS, EM, BW-SEM, SD&LES), RFID systems and legacy systems. The project has been a major undertaking, in terms of scope and innovation achieved, that Poste Italiane has pursued for the last few years. The level of business process automation is steadily increasing from the original 40% to the target of over 85%.



To read an expanded version of this story visit:
www.iconics.com/government



Natural User Interface for Touch, Kinect

ICONICS has made significant investment in Natural User Interface (NUI) using advanced Windows 8 multitouch with gesture, body movement and speech recognition. Using the latest Microsoft Kinect sensor technology, spoken commands can be used to train applications to respond to actions providing a hands free operation. The new GENESIS64 v10.8 release gives users unique and new ways to interact with their applications.

KINECT™

Based on many years of research, ICONICS' patent-pending technology can now turn any surface into an interactive touch screen using Microsoft Kinect technology. Gestures can be used in combination with Smart Tiles and 3D to create innovative new designs. Using the Microsoft Kinect, ICONICS NUI offers two interactive modes. The first, Skeletal Tracking Mode, interprets the users' body motions into on-screen commands. It also allows the user to interact with the display using programmable voice commands. The second, Virtual Multitouch Mode, allows the user to interact via hand motions. Create an exciting and innovative approach that is a more interactive operator interface for any application.



Virtual Multitouch Using Microsoft Kinect Sensors

Key Features & Benefits

- Two Interaction Modes: Skeletal & Virtual Multitouch
- Gesture and Movement Recognition
- Integrated Microsoft Kinect Sensor Technology
- Configurable Speech Recognition and Commanding
- Touch Interlock Prevents Accidental Touch Actions
- Interactive Visual Feedback

To view ICONICS' Kinect/NUI video, visit:
www.iconics.com/videos



Loudoun Water - ICONICS Regulates County's Water and Wastewater

United States

Loudoun Water provides drinking water and wastewater reclamation services to Loudoun County, Virginia. Loudoun Water controls and monitors its water distribution and wastewater treatment systems using ICONICS' GENESIS64™. With these graphically rich, Web-enabled programs, Loudoun Water can view everything from flow animations and representations of pipes and valves, to dashboards and control panels. In 2008, Loudoun Water began deploying the Windows Ultimate client operating system and upgrading its software to include the entire GENESIS64 suite. The utility's HMI/SCADA applications running on 64-bit Windows include sophisticated features that would be more difficult to implement in a 32-bit Windows XP based environment.

GENESIS64 exposes metadata and integrates with Windows search technologies to help employees quickly locate information that the suite generates. The application increases IT security at Loudoun Water by integrating User Account Control to help reduce the risk of accidental or unauthorized system changes.

The new versions of the utility's third-party applications take full advantage of the high performance 64-bit architecture of Windows. As a result, tasks related to customizing the applications to match the industrial environment take less time. These tasks include 3D modeling, laying out visual representations of pipes and flow systems, and so on. Compared to previous versions, the upgraded software is easier to learn and use, runs faster, and can be faster to customize. With the higher performance of 64-bit Windows, Loudoun Water anticipates a reduction in customization time by 30 to 40 percent, compared with Windows XP.



To read an expanded version of this story visit:
www.iconics.com/water



Recently released in September 2013, the GENESIS32 HMI/SCADA product and the BizViz Manufacturing Suite introduced many new features and updates. For information on the complete list of new features in v9.3, see the New Features Document included on the GENESIS32 and BizViz product DVDs or the Customer Connection Portal.

If users are current on their SupportWorX plans, they are entitled to receive the latest version 9.3 release. Contact your local ICONICS representative for more information or download the latest product releases from the ICONICS Customer Connection Portal located at: **getconnected.iconics.com**

The lists below give a high-level overview of the improved capabilities within each product suite.

GENESIS32 Features & Benefits

- Certified for Compatibility with Windows 8 Server 2012
- Integration with Microsoft SQL Server 2012
- Common Configuration Interfaces for System Settings
- Security Enhancements to Help Meet Increasing Government Infrastructure Requirements
- FDA 21CFR11 'Auto-logout on User Inactivity' Support
- FDA 21CFR11 Security Enhancements
- New ConverterWorX Aids in the Conversion of GENESIS32 to GENESIS64 Applications
- GraphWorX32 API for On-demand Data Refresh
- AlarmWorX32 Reporting to a Variety of Printers
- Support for Alarm Time Stamps to Milliseconds
- Alarm Viewer API for Programmatic Customization

BizViz Features & Benefits

- Certified for Compatibility with Windows 8 Server 2012
- Integration with Microsoft SQL Server 2012
- Improved Ease of Use - Graphical User Interfaces for All System Configuration Settings
- Security Enhancements to Help Meet Increasing Government Infrastructure Requirements
- FDA 21CFR11 'Auto-logout on User Inactivity' Support
- FDA 21CFR11 Security Enhancements
- Productivity Analytics Improved Batch System Support
- Productivity Analytics Sample Chart Configurations
- Productivity Analytics Sample Database
- ReportWorX Enhancements to the Print Redirector

To learn more about GENESIS32, visit:
www.iconics.com/genesis32



To learn more about BizViz, visit:
www.iconics.com/bizviz



Volgogradoblgaz OJSC - ICONICS Automates Natural Gas Pipeline

Russia

Volgograd, Russia is situated on the Western bank of the scenic Volga River. It is here that Volgogradoblgaz OJSC transports natural gas from gas pipelines to the population as well as to industrial and municipal enterprises. Wanting to upgrade their facilities to cutting edge Oil & Gas technology, Volgogradoblgaz OJSC chose GENESIS64™ to manage their transfers of natural gas to consumers across the Volgograd region.

With the help of system integrator Sultanov Ilya V., the company installed GENESIS64 and knew they had made the right decision when it was implemented by just one person and ran smoothly throughout the six-month integration period. Using the ICONICS solution, the Volgogradoblgaz system has improved significantly in its remote gas facilities' prompt incident response and in emergency situations. It is now possible to utilize analytical data on work sites and GENESIS64 allows the company to quickly deploy and operate control towers and dispatch commands remotely.

With the introduction of ICONICS' solution, Volgogradoblgaz OJSC achieved their goals of installing a fully 64-bit operational system that could handle multiple rooms, pipelines, tanks and other assets while tracking 70 deployed objects (Gas Distribution points, Gas Control points), 3,000 tags and 10 regional dispatch control centers. In 2014, Volgogradoblgaz OJSC plans to use ICONICS for an extension with another 200 objects and up to 10,000 tags.

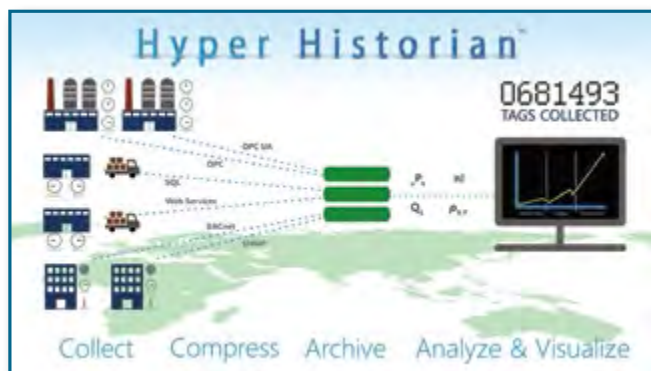


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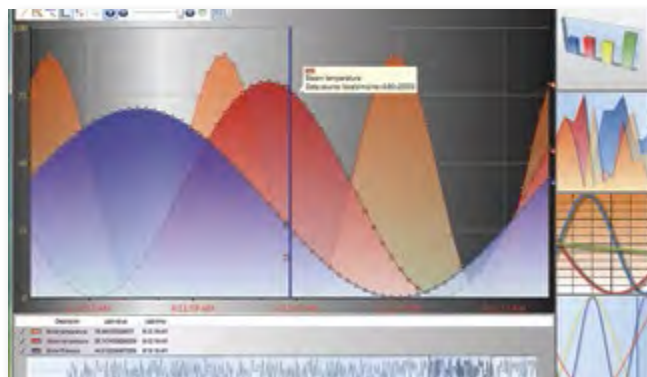


Hyper Historian New Features of v10.8

Hyper Historian™ is an advanced 64-bit high-speed, reliable and redundant plant historian product. The ability to combine real-time and historical data, also known as “Big Data” analysis, is essential to identifying improvement opportunities and staying competitive today. Hyper Historian is a plant data historian solution that collects, compresses, archives, analyzes and visualizes your big data. Designed to log in excess of 100,000 changes per second from many data sources across the enterprise, Hyper Historian provides the tools necessary to create interactive dashboards with 2D and 3D charting and reporting tools to deliver the business and process analytics you need to achieve your goals, today and in the future.



Hyper Historian Architecture



Real-time Trend with Side Panel and Summary View

Key Features & Benefits

- ReportWorX Express Integrates with Excel 2010 and 2013
- Custom Performance Calculation Stored Functions
- Workbench-SL to Configure from Any Web Browser
- PortalWorX-SL with New Smart Tile Technology
- SQL Query Engine Integration with Microsoft SQL

To learn more about Hyper Historian, visit:
www.iconics.com/hyperhistorian



AES Wind Generation - ICONICS Runs Windfarm in Palm Springs, CA *United States*

AES is an international power company located in North Palm Springs, California and specializes in power generation, utilities and renewable energy. AES Wind Generation explores worldwide opportunities for wind creation based on more than 25 years of experience in the power industry. They currently manage over 1,700 megawatts of wind capacity across the US, China and Europe.

In 2010, AES Wind Generation initialized a 49 turbine wind farm as part of the Mountain View IV Wind Energy Project and began searching for a dependable SCADA and alarming system to operate it. AES understood that they needed a robust system that could perform calculations in real time from both user input and data coming from the field. After an exhaustive search, AES found in ICONICS GENESIS64™ and Hyper Historian™ a complete SCADA and Data Historian solution that would connect via open standard protocols and provide both instantaneous and aggregate data for monitoring and reporting. ICONICS' Hyper Historian maintains all data from the turbines at the wind farm, as well as overall production data and substation parameters. The ICONICS Universal Data Management, part of GENESIS64 Platform Services, is used to create numerous calculations that feed Hyper Historian and other applications. AES was looking to provide monitoring and control to operators from both AES and MHI, as well as supply aggregate data for their reporting systems. Using ICONICS, AES met these goals and kept development costs to a minimum as they didn't have to use a third party whenever a change was required.



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In the News

**Sustainable Manufacturing:
From Green to Lean**
Prime Magazine
June 2013

**Improving Manufacturing
Sustainability**
OnWindows
July 2013

**ICONICS' Hyper Historian Plant
Historian Software Adds Asset
Modeling**
Windpower Engineering &
Development
August 2013

**Monitoring/Metering
Buildings Magazine**
July 2013

**Innovative Products:
Building Controls**
Building Operating Management
May 2013

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2013 Microsoft Partner of the Year Award Application Development Finalist

Awards were presented to the winners, chosen from a set of more than 3,000 entrants from 106 different countries worldwide. The Application Development Partner of the Year Award recognizes exceptional innovation from a partner who has delivered commercial or custom-developed solutions during the past year. The award finalists and winners were selected from nominations based on their superior solutions, commitment to customers, market impact and exemplary use of Microsoft technologies.

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The Customer Connection Portal

Get connected with ICONICS by visiting the Customer Connection Portal for general support, product downloads, product updates, customer collaboration and product tips from ICONICS' engineers and support team. The Customer Connection Portal features Support Solutions, a Tip of the Day and a Support Bulletin. The support Solutions section addresses essential questions through the FAQ, Licensing and a Global Search Engine, enabling users to find answers quickly and easily. The Support Bulletin lists your support cases with real-time status updates along with most popular knowledgebase articles and the most active forum threads.

Another popular feature of the Customer Connection Portal is the in-depth training videos highlighting many ICONICS products. These videos help users configure their systems and get the best results from ICONICS products.

If users are current on their SupportWorX software maintenance plan, they are entitled to free upgrades. Download the latest product updates and new product releases from the download section of the Customer Connection Portal.

The Customer Connection Portal acts as a reference for customers who want more information about any facet of ICONICS software and is a great resource for all customer inquiries.



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