Water and Wastewater Software Solutions

ICONICS
Visualize Your Enterprise

Gain Clear Insight into Water Operations

The availability of adequate water supplies and effective waste processing remains critical as populations grow, government regulations increase and infrastructure ages. The integration of collection, treatment, distribution and water quality analysis systems into an operational dashboard helps achieve optimal performance.

Engineering and Integration

Reduce engineering cost and time with an extensible multi-user configuration environment. Reusable smart symbols, global aliasing and templates allow the HMI/SCADA developer to provide content for operators and management efficiently. ICONICS' modular system allows easy migration toward new operating systems and technologies.

- **Minimize Applications Development Time**
- **Modular System Scales as Your Operation Grows**
- **Leading Edge MS Technologies: WPF, WCF, .NET, Silverlight®**

Operations and Maintenance

Integration of real-time and historical equipment and plant data into an operational dashboard provides quality metrics and KPIs. With real-time HMI/SCADA, operators are instantly notified and can respond to accurate information as conditions and alarms occur. Easily create advanced reports to document operations, maintenance and analysis efforts.

- **Real-time Monitoring, Control and Reporting**
- **High Performance Long-term Data Historian**
- **GIS Integration using EarthWorX™**
- **Alarm Management, Mobile Notifications & Alerts**

Management

ICONICS provides intelligence for everyone in the water organization. With Water AnalytiX®, data is available for management, analysis and reporting. Customizable Web portals offer personalized views of operations, maintenance and financial data to support management's effort for cost control and maximum productivity. Visualize all aspects of your enterprise from anywhere, anytime and on any device.

- **SharePoint Portals and Dashboards for Water Industry**
- **Reporting Requirements Supported by Historical Data**
- **Interface with MS SQL, SAP, Oracle & Asset Systems**

Governmental Reporting and Advanced Security

Meet government regulatory reporting requirements with standard reports based on real-time and historical data. Visualize reports based on schedule or event occurrence, and publish reports via e-mail, fax, Website and more. Verify, authenticate and maintain tight security of your water operations. Access is based on group or individual control with time-based audit trails.

Predictive Analytics Solutions

ICONICS' Water AnalytiX solution is a Water Portal technology which integrates information from water operations. Key analytics such as Turbidity, Temperature, pH, Residual Chlorine and Flow are provided to operations executives. New Fault Detection and Diagnostics (FDD) technologies help to quickly predict equipment and energy inefficiencies and provide possible causes that help improve plant operations.

Unified Communication and Integration

ICONICS' high performance GENESIS64™ HMI/SCADA suite provides a scalable and distributed architecture that integrates all aspects of a utility operation. It normalizes data from a multitude of interfaces and systems independent of source. This minimizes training costs, optimizes staff utilization and allows real-time data viewing for all HMI/SCADA and historian functions.

- **OPC Classic**
- **SNMP**
- **OPC UA**
- **Database Access**
- **Modbus**

Collect

Recycle

Treat

Consume

Industry Applications
- **Water and Wastewater Systems**
- **Pump and Lift Stations**
- **Water Distribution Systems**
- **Industrial Water Systems**
- **Flood Control**
- **Desalination Systems**

Benefits
- **Reduced Engineering Cost**
- **Improved Project Management and Deployment**
- **Investment Protection with Unlimited Scalability**
- **Easy Migration to New Operating Systems**
- **Improvement in Monitoring and Control Capabilities**
- **Improved Alarm Management & Personnel Notifi ation**
- **Enhanced Regulatory Reporting**
- **Higher Level of Security for Entire Operation**
- **Maximized Visibility into Operations**

"Predictive Analytics Solutions for Operational Efficiency."

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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OPC

Further information:
www.iconics.com/water