MITSUBISHI ELECTRIC
Changes for the Better

Automating the World

FACTORY AUTOMATION

WATER & WASTEWATER SOFTWARE SOLUTIONS

With Mitsubishi Electric Iconics Digital Solutions

- **Engineering and Integration**

- **Environmental Reporting and Advanced Security**

- **Alarm Management and Fault Detection**

- **Operations and Maintenance**

- **Universal Connectivity**

GAIN CLEAR INSIGHT INTO WATER OPERATIONS

Manufacturers are pressured to increase production, lower costs, reduce downtime, and improve overall quality. The 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.

MANAGEMENT

Mitsubishi Electric Iconics Digital Solutions provides 360 degree situational awareness for everyone in the water organization. With MEIDS' GENESIS, actionable information is available for management, analysis and reporting. Command and control with personalized views of operations, maintenance, and financial data to support management's effort to control costs and maximize productivity. Make the invisible visible across your organization from anywhere, anytime and on any device.

- Web and mobile dashboards for water industry
- Reporting requirements supported by historical data
- Interface with MS SQL, SAP, Oracle & asset systems

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 efficiently create content for operators and management. GENESIS' modular system allows easy migration toward new operating systems and technologies.

- Minimize application development time
- Modular system scales as your operation grows
- Asset-based digital twin with equipment classes
- Speeds up development

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> **LCMUA immediately realized the benefits of selecting MEIDS solutions. With GENESIS64, they achieved improved secure visualization of water and sewer levels, as well as monitoring and control of potable water and wastewater, elevation, psi, intrusion pumps, pump monitors/controls, pump fauliure status, an temperature.**
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> Lake Cities Municipal Utility Authority | Lake Dallas, Texas, USA

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

ENVIRONMENTAL 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.

ALARM MANAGEMENT AND FAULT DETECTION

Notify your personnel of abnormal conditions and events in real time with GENESIS' ISA 18.2 compliant alarm management technology. Alert on the status of key metrics such as turbidity, temperature, pH, residual chlorine, and flow to maintain efficient plant operations. Advanced Fault Detection and Diagnostics (FDD) technologies help to quickly predict equipment failures and provide possible causes that help engineers troubleshoot issues.

UNIVERSAL CONNECTIVITY

The high performance software suite with GENESIS HMI/SCADA provides a scalable and distributed architecture that integrates all aspects of your operation. It normalizes data from a multitude of control system and information system sources for context. This minimizes training costs, optimizes staff utilization, and allows real-time data viewing for all HMI/SCADA and historian functions.

- Mitsubishi FA
- OPC UA and Classic
- SQL, ODBC, OLEDB, DB2
- SNMP
- Web Services
- AMQP, MQTT, Sparkplug B

BENEFITS

- Reduced engineering cost
- Improved project management and deployment
- Investment protection with unlimited scalability
- Easy migration to new operating systems
- Powerful monitoring and control capabilities
- Improved alarm management & personnel notifications
- Enhanced regulatory reporting
- Higher level of security for entire operation
- Maximized visibility into operations

ABOUT US

Mitsubishi Electric Iconics Digital Solutions (MEIDS), headquartered in Foxborough, Massachusetts, is a global leader in industrial automation, smart and sustainable buildings, and digitalization software. Our advanced HMI, SCADA, and Smart Building solutions enable businesses to visualize, monitor, and optimize their most critical assets and spaces. With installations in over 100 countries and adoption by more than 70% of Global 500 companies, MEIDS drives operational efficiency and continuous improvement across industrial manufacturing, infrastructure, and built environment sectors. Backed by cutting-edge technology and deep industry expertise, we deliver flexible, scalable, and high-performance software solutions. As a testament to our excellence, MEIDS has been recognized as a seven-time winner of the Microsoft Partner of the Year award.

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