

INTEGRATED
CONFIGURABLE
EXCELLENCE™



NWA Quality Information System™

Manufacturing Intelligence for Intelligent Manufacturing



NORTHWEST ANALYTICS

NWA Quality Information System™

Affordable quality automation



NWA's Quality Information System provides a complete solution to your quality-system needs, including meeting GMP and ISO quality requirements:

- Data Collection
- Data Management
- Quality Analytics
- Real-time SPC Alarming
- Reporting

NWA QIS allows users to manage production, satisfy auditors, and meet customers' quality-reporting requirements with minimal demands on staff time and IT resources. From single work cell to plant-wide automation, NWA QIS is the perfect choice for a company's complete quality information system.

Functionality

- Integrates with other manufacturing systems (MES, ERP, Process Historians, LIMS, and others) to enable the sharing of product, process and quality intelligence.
- Timely, analytics-based reports and alerts increase process visibility and provide the information needed to make the right decision at the right time.
- NWA QIS combines built-in analytics and quality reports with industry-standard reporting tools to deliver reporting services tailored to each customer's needs.
- Rapid deployment means NWA QIS can begin delivering real-time analytics in a single day

Real-time monitoring and alarm notification keeps operators and technicians informed of process changes and potential problems – before they affect product quality and costs.

Vertical Markets



Metals & Materials



Petroleum/Chemical



Packaging

The NWA QIS Advantage

NWA QIS is cost effective and easy to implement and maintain. The system can be operational within days. Additionally, this quality information solution can be easily expanded to keep pace with process management and improvement initiatives, allowing companies to incrementally implement NWA QIS as timelines, resources and budgets demand.

Real-time monitoring and alarm notification by NWA QIS keeps operators and technicians informed of process changes and potential problems before they affect product quality and costs.

NWA QIS is unmatched in its ability to integrate with other data sources (Historians, LIMS, MES, ERP). Additionally, NWA QIS installation and maintenance places minimal demand on IT systems and staff.

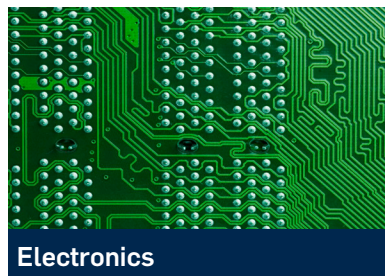


"The NWA Quality Information System has made it easier to get information about the process. Before, we depended on a spreadsheet, and it was hard to see trends. Now we have timely access to all our data and with the analytics we know exactly where we are and can take actions to make the best beer."

Mike Domenighini
Quality Assurance Manager
Widmer Brothers Brewing Company



Pharmaceuticals



Electronics



Food & Beverage

Features & Benefits

Modular System: Purchase Only What You Need	Each operating unit purchases only those QIS components needed for each facility. Each system can be incrementally implemented to match budgets and available time. Pilots and regional rollouts are realistic, and global standardization of your quality system becomes a reality.
Configurable Data Entry	Forms-based data entry delivers customized screens without programming, replacing spreadsheets and paper forms. Screens are designed to fit the data-collection workflow and provide finger-tip assistance to users with context-specific help and electronic SOPs. Data entry workstations connect directly to measurement devices from scales and gages to automated test equipment. Screens can combine data from multiple sources, including barcode input, drop-down lists, and information from external databases.
Supports Industry-Standard Databases	QIS can be hosted on a Microsoft database, leveraging existing IT assets and simplifying deployment and support. The straightforward database structure and user-friendly View designer make it easy to integrate with productivity software and other information systems.
Analytics, Alerts & Reports to Keep You Informed	QIS's off-line and real-time analytics can be applied to data from systems such as Historians, LIMS, and MES to supply a unified view of your process. By combining data from QIS and other systems, you can identify, analyze, and resolve problems before they become a crisis.
Application-Specific Reporting	QIS includes standardized analytics and quality reporting for SPC, Process Capability, and other quality-related functions. Information can be delivered on-screen, on printed reports, and on web pages. QIS works with industry-standard reporting tools such as MS Reporting Services, Crystal Reports, Business Objects, and Excel to allow reporting capability tailored to individual needs.
Configurable, not Customized	Each QIS system uses NWA's award-winning, off-the-shelf applications for key functions such as plant-floor data collection, interactive and automated SPC charting and analysis, and real-time SPC. This simplifies implementation, administration, and support while providing unprecedented configurability and integration with other systems.

DATA COLLECTION

Laboratory




Plant Floor



Test Station



Packaging



DATA MANAGEMENT

SQL Server
SQL Server Express

NWA QIS DATABASE

MES Excel ERP
LIMS Crystal Reports
HMI/SCADA SCM

INTEGRATION

ANALYTICS & REPORTING

SPC Charting & Analysis



Reporting



Web Services



Real-time Process Monitoring



Complete Plant Quality Information Management System

Successful plant management requires integrating data from multiple sources to produce and distribute role-specific analytics and reporting to all staff involved with operations and decision making. NWA QIS workstations provide one configurable operator interface system that collects all data from that manually recorded to that produced by analytical instruments and control systems.

Since NWA QIS can read any standard ODBC compliant database, operational staff can access data from all departments. NWA QIS delivers role specific reports over the plant network, intranets and the internet. These include all the quality related reporting from in-house operations and management to external customer and regulatory quality deliverables.

For more information, call 888.NWA.SOFT or visit us at NWASOFT.COM

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