



QAS

NWA Quality Analytics Server®

Manufacturing Intelligence for Intelligent Manufacturing

Real-time SPC for Process Monitoring and Visualization

From the plant floor to the corporate office, NWA Quality Analytics Server™ delivers real-time SPC-based process and operational intelligence to the entire organization. The NWA analytics engine integrates data from existing manufacturing databases to supply dashboards with role-specific decision support information.

NWA QAS delivers the right information to the right person at the right time to alert them – in real-time – when any part of the operation is not performing as expected. The result is immediate and effective decision making and process corrections that improve throughput, lower costs and increase profits. Organizations can change their process management and control procedures from reactive to predictive, identifying potential problems before they affect quality and costs.

Functionality

- Integrates data from all databases including Process Historians, LIMS, Quality Systems and MES
- Role-based dashboards display the status of Key Quality Indicators in real-time
- User displays include visual alarms, exception reports, and SPC charts with one-click drill-down
- Rapid deployment means QAS can begin delivering real-time analytics in a single day

Features

NWA QAS delivers role-specific, real-time dashboards which present the right information to the right people at the right time for immediate action. Each dashboard can monitor Key Quality Indicators from multiple sources in real-time, and alerts can be based on specifications, SPC limits, trends, or unusual patterns. The comprehensive and full range of SPC charts and analytics in NWA QAS are based on the award-winning NWA Quality Analyst software.

NWA QAS' direct-data retrieval approach integrates data from virtually any manufacturing or process database – ERP, MES, LIMS, Process Historians, data stored in SQL Server, Oracle, DB2, Access, Excel, and others – with no additional

“Our operators really like the NWA QAS ‘dashboard.’ It automatically updates and tells them when to pay attention. NWA QAS lets them focus on just the one point that demands attention and then drill down to reports and charts as necessary.”

~Six Sigma Manager
Fortune 500 Chemical Firm



NORTHWEST ANALYTICS

data-storage requirements. This results in a simpler and more efficient system and reducing IT investment and administrative overhead.

NWA QAS can be configured for a wide range of applications, from smaller local systems to full-scale enterprise solutions. This enables the quick scalability of pilot programs to plant-wide and multi-plant implementations. The core QAS Service is multithreaded and can be distributed to match performance requirements with available system resources.

NWA QAS combines a straightforward data model with easy-to-use configuration tools to deliver fast implementation with no programming and minimal IT support. Pilot installations can deliver working dashboards in less than a day. A complete implementation for a large facility can take less than a week. With a small footprint, adherence to standards, and admin tasks performed by the user community, NWA QAS requires minimal support or investment from corporate IT.

The NWA QAS Advantage

NWA QAS is cost effective and easy to implement and maintain. Dashboards can be operational throughout the company within days. Additionally, this manufacturing intelligence solution can be easily expanded to keep pace with process management and improvement initiatives.

With its unmatched ability to integrate with any data source (Historians, LIMS, MES, ERP); NWA QAS requires no data duplication or additional databases. Data access is instant and the analytics are real time.

Like all NWA products, NWA QAS installation and maintenance places minimal demand on IT systems and staff and allows responsibility for ongoing changes to reside where it should – with the users. NWA QAS is uniquely capable to work with existing databases and leverage the data already being collected into easy to understand and act upon dashboards.

Station	Values	Actions
Steam Header # 1	OK OK OK	Chart Summary
Steam Header # 2	OK WARN OK	Chart Summary
Steam Header # 3	OK OK OK	Chart Summary
Steam Header # 4	OK OK OK	Chart Summary
Steam Header # 5	WARN OK WARN	Chart Summary
Steam Header # 6	OK OK OK	Chart Summary
Metal Detector #1	WARN OK OK	Chart Summary
Metal Detector #2	OK OK OK	Chart Summary

User displays at all levels include visual alarms with one-click, drill-down functionality.

For more information, call 888.NWA.SOFT or visit us at Nwasoft.com

