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XHQ Operations Intelligence

Real-time solutions for intelligent decisions

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Intelligence for the manufacturing enterprise

XHQ Operations Intelligence adds an important layer of intelligence to analyze the KPIs that will ratchet your manufacturing performance to the next level. A platform for aggregating, relating and presenting operational and business data in real time, XHQ provides users with a wide range of coherent, up-to-the-minute information. This data is then used to monitor performance and make better, more informed decisions about plant operations – for greater efficiency and reduced costs.

The challenge

In any manufacturing organization, operations personnel typically struggle to pull together a complete, timely picture of their situation, impacting their ability to make critical decisions. To make matters worse, the information is often scattered throughout the enterprise in a variety of databases, applications and operational systems, and extracting the information can be time-consuming. Stored in a wide range of formats with a confusing mix of unrelated contexts, this data is rarely compiled or presented in a meaningful way, causing frustration and the making of incorrect and/or desperate decisions. By the time this happens, the opportunity to act has usually long since passed, resulting in a negative impact to production throughout, and revenue loss. While such historical data may be useful for medium- or long-term strategic planning, those who are monitoring and executing plant operations require immediate access to data in order to make quick informed decisions based on current developments.

Our solution

The XHQ Operations Intelligence solution is designed to extract and aggregate data from a variety of information sources (including ERP, data warehouses, databases, documentation, process historians, as well as automation information repository), and then present it on an intuitive, transparent platform. Additionally, the information can be displayed in various representations, from charts to live data streaming, representing the exact situation on which a critical decision is to be made. Therefore, operators always have the big picture when they need it and they can always access up-to-date information in time to act.

This ability to make critical decisions based on real-time information can result in greater efficiency, a boost to your bottom line, and greater productivity.

Reasons to use XHQ in your operations:

1. Access to information residing throughout your enterprises to help you make informed and intelligent decisions
2. Ability to share crucial, timely data throughout the enterprise
3. Access to visual presentations of meaningful data in various formats to ensure greater flexibility and more accurate decision-making for increased customer responsiveness
4. Significant business efficiencies achieved through productivity increase and cost reduction

5. Maximum return on investments in automation equipment and IT
6. Highly scalable for global, enterprise-wide deployment
7. Speed and agility for your business needs

Sharing Data across Enterprise

With its highly-scalable performance, the XHQ platform is designed to be deployed across your organization, enabling data to be seamlessly shared by personnel in different geographic locations. You can use the XHQ solution to facilitate collaboration, brainstorming, idea sharing, and joint decision-making processes across continents. The real-time data streaming from XHQ can assist in your live session meetings, giving you the critical information you need in a crucial decision-making moment.

Cost savings and a fast ROI

XHQ Operations Intelligence solutions can be established in your business strategy, whether it is for cost reduction, production throughput increase, quality control improvement, maximum asset utilization and/or inventory efficiencies. Despite the significant values XHQ delivers, the solution is very cost effective to implement.

Maximum Return on your investment

Beyond saving via cost reduction, companies can deploy XHQ solution to implement plan automation and improve IT infrastructure efficiencies.

You can use the advanced features available in XHQ to dramatically improve plant utilization, increase equipment availability and reduce costs across the entire value chain. With XHQ solutions, you can be sure that you are always getting a maximum return on your equipment and other assets.

Visual Presentation of Your Data

After gathering the critical data you need, you can use XHQ solution to organize your data into rich business charts, personalize your data representation using XHQ View Builder, and view both real-time and historical trending. You can view a snapshot of your data from a specific date and time in the past and assess the future trending and track.

Timely data – when and where you need it

Like many enterprises, your data is scattered throughout your organizations and stored in various formats. The XHQ solution supports interface to many applications managing your data including SAP, Oracle, Historian and others, and can extract data, aggregate, and relate the collected data to produce meaningful information in business context, that you can use in your decision-making process. Understanding the data is critical for you to quickly access and perform analytic functions on the data. XHQ solution can also stream the data live over the Internet or Intranet to zero administration, browser clients, mobile devices and enterprise portals, and, best of all, you can personalize the data for the specific situations and issues you are addressing. The entire solution is maintained through an integrated configuration environment that enables non-technical business domain experts to create content without programming or extensive IT support.

Speed and flexibility for better responsiveness

Industrial companies need to respond quickly and with agility to keep up with rapidly changing market conditions. By providing personnel who are actually directing production with immediate access to production status and key performance indicators (KPIs), XHQ allows them to react faster and to specifically target their decisions to take advantage of market developments. As the timing and accuracy of their responses improve, they can better meet the needs of their customers.

Designed for Enterprise class scalability

The XHQ platform is designed to be highly scalable, fit seamlessly into enterprise-wide infrastructures and be rapidly deployed on a global basis. And using XHQ real-time data cache, users around the world can be served concurrently with live, streaming data without over-burdening the network or the back-end operational systems.

Solutions for your industry

Our XHQ packaged solutions can be seamlessly integrated into a comprehensive solution for your industry. These solutions integrate all the products and services you need for sustained optimization of your plant's operating performance. For each particular task, a solution is available that can potentially:


- Horizontally improve all production processes
- Vertically integrate the company's information flows end-to-end, helping corporate management to make better decisions
- Chronologically enable optimized maintenance and help ensure further development over the entire life-cycle of your plant.

Because of this unique combination of horizontal, vertical and life-cycle dimensions, our solutions all carry the genes of exhaustive and sustained plant productivity in their very core.

For more productivity, more performance and more power...look to XHQ Operations Intelligence solutions from Siemens.

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