

## **Industrial<sup>IT</sup> System 800xA Operations personalizes the extended plant view**

*Reduces time to decision and action*

**Wickliffe, OH, January 7, 2004** — ABB's Industrial<sup>IT</sup> System 800xA Operations provides a consistent method for accessing enterprise-wide data and for interacting with multiple applications from any connected workstation in the plant or office. Harnessing the power of Operate<sup>IT</sup> Process Portal, the industry's most intuitive system interface, System 800xA delivers the exact information – filtering out the noise – to facilitate consistent, sound business decisions and provides the environment to optimize the associated response. This **single** operations environment dramatically increases overall efficiency by reducing the amount of time needed to arrive at the appropriate decisions and related actions.

Unique to System 800xA is its ability to gather information from multiple plant sources and transform it into relevant information for a diverse set of users such as maintenance technicians, process engineers, production managers, or plant operators. Using Process Portal, System 800xA provides personalized workplaces for focused information access.

The enabling technology for this data access, storage, and management is ABB's patented Aspect Object framework. Aspect Objects relate all plant data, the Aspects, to specific plant assets, the Objects. This eliminates the cumbersome task of locating information spread between different people, locations, computers, and applications. Aspect Object navigation presents the entire production facility in a consistent, easy to view fashion. This allows a single window environment to include smart field devices, asset optimization functions, information management, batch management, safety systems, and MES (Manufacturing Execution Systems) applications.

In other systems, data is presented without user context. This means that every user must evaluate and understand the same sea of data, and then root out the decision criteria before taking action. With 800xA Process Portal, each user's login defines the type and class of information required for timely and informed decision-making. Thus, System 800xA delivers much more than



an operator console; Process Portal provides an intelligent and focused presentation, enabling rapid response.

Optimal reaction requires real-time knowledge that an upset has occurred, or will occur. Process Portal provides notification through its audible and visual alarm and event presentation. Remote personnel are notified of critical events via mobile telephones, e-mail accounts, and pagers by 800xA's SMS (Short Messaging Service) and e-mail messaging service. Using GSM (Global System for Mobile communications) mobile phone technology, 800xA allows remote acknowledgement of notification and confirmation of receipt.

System 800xA provides a complete set of operator functions that include realistic process graphics with standard faceplates, superior trending capabilities, intelligent alarm and event handling, production reporting and remote messaging. Complete functionality simplifies and streamlines operator interaction for more reliable control.

Quick access with familiar web browser tools to displays and information is provided. Favorite places, history lists, short cuts and hot buttons provide navigation through a process production facility quickly and accurately. Use of the right mouse button provides access to additional details such as photos, operator instructions and maintenance information.

Workplace layouts are adjusted and optimized to users' preferences and needs with individualized menus, toolbar contents and display locations. Windows management functions such as safe areas, pinning and stacking priorities minimize operation errors by prioritizing the presentation of important material.

Information from ABB applications, other automation systems or even business systems is readily integrated into System 800xA on common displays. This single window provides users a much broader view of the facility and better information from which to make quicker, more informed decisions.

Industrial IT System 800xA extends far beyond the reach of traditional automation systems to achieve the productivity gains necessary to succeed in today's business markets. This reach extends well beyond the realm of essential process control to production management, safety



systems, smart instrumentation, smart drives and motor control, robotics, information management, asset optimization and documentation. Its unique engineering environment manages one set of consistent data, for single-point entry, single-point change, and re-use across the plant.

Industrial IT System 800xA is part of ABB's award winning suite of integrated Industrial<sup>IT</sup> solutions; these solutions address the challenges that automation customers face in today's global marketplace. ABB's comprehensive Industrial<sup>IT</sup> portfolio of products is focused on delivering productivity and profits to automation customers. ABB's product strategy is for evolution through enhancement to protect customer investment.

ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 120,000 people.

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