System 800xA v6
It's all about control

System 800xA is known for delivering productivity through consolidating process, electrical, safety, and telecoms in one system and providing the ultimate high performance operator control room environment featuring the Extended Operator Workplace.

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Extended Operator
Workplace

This sixth generation release, commonly called v6, is not only for new projects but has been specially developed to support upgrades of older DCS systems running on unsupported operating systems such as Microsoft Windows® XP. System 800xA v6 provides customers with a more secure automation environment that lowers the total cost of ownership, while providing countless opportunities to improve operational productivity.

Protection against cyber threats
800xA v6 will add to an already impressive list of leading security features such as Advanced Access Control, White Listing, and means to monitor and manage the control system's security integrity:

- Based on the latest Microsoft operating system.
- Digital code signing of applications to ensure software legitimacy code.
- Faster, more immediate access to approved security updates and virus signature files.

Lower cost of ownership
800xA v6 provides the ability to lower costs for new projects, retrofits, and upgrades:

- In addition to virtualization, performance improvements and multiple core technology can optimize the automation system's footprint significantly leading to reduced capital and lifecycle expenditures.
- A new Ex-certified Foundation Fieldbus High Speed Ethernet (HSE) Linking Device is available that can further reduce engineering and installation costs by being able to be installed directly in Zone 2, Class 1 Div 2 areas.

Reaching new heights of productivity
800xA v6's collaboration platform and its built in functionality allow you to tackle money saving initiatives and implement productivity enhancing solutions for a fraction of the cost of adding third party software and hardware. In addition to alarm management, advanced control, video systems, safety, electrical integration, power management, and a host of other embedded capabilities, System 800xA v6 adds:

- A new information management platform providing secure connectivity to 800xA so that data can be safely collected, viewed, historized and reported above the control system layer.

- An embedded Public Address System is available that allows text to speech announcements to be broadcasted in multiple languages from 800xA.
- Trends have been enhanced in 800xA with the addition of alarm indication, auto-scaling, and adjustable sloped gridlines.
- New way to visualize data is available with the addition of the System 800xA Collaboration Table providing a 3D view of plant Key Performance Indicators (KPIs).
- Batch management performance has been improved through the use of a new multi-threaded batch procedure executing environment.

Removing the barriers
Special consideration has been given to ensure a significantly improved upgrade experience supported by an enhanced Automation Sentinel life cycle Management and support program. 800xA v6 includes:

- More intelligent "role based" installation and configuration tool that reduce manual steps by over 80 percent. This installation and configuration tool also can be used to centrally extend and update the system over its lifecycle.
- Additional tools, such as the Start Value Analyzer are available to ensure that the upgrade goes smooth without any surprises when it comes to initial values settings.

World Class
Since its introduction in 2004, System 800xA installed system count is over 10,000 installed systems in over 100 countries. 800xA boasts monitoring and controlling over 50 million tags helping ABB be the no.1 global DCS supplier for over a decade.

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