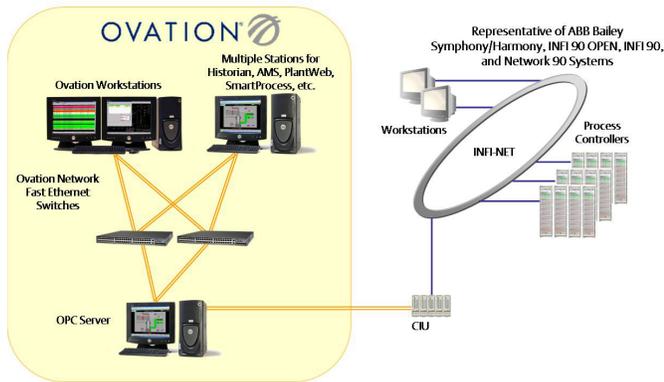


Ovation® Expert Transition

For ABB Bailey Symphony/Harmony, INFI 90 OPEN, INFI 90, and Network 90 Control Systems



Transition to Expert Controls from the Control System Experts

Today's competitive business environment requires optimal performance not only from your power plant generation equipment, but also from your operations and maintenance personnel.

Are you currently subject to any of the following ABB Bailey control system issues that may be prohibiting your plant from experiencing optimal operations?

- Inability to easily incorporate most bus technologies, especially Foundation™ fieldbus, DeviceNet™, and Profibus® DP
- High spare part support costs from outdated technology
- Component “end of life” creating high-risk in system operating reliability and maintenance
- Excessive service fees from lack of knowledgeable resources
- Limited system-to-system communication
- Considering replacement after only 10-15 years in service

If yes, then you need a supplier with vast power industry expertise that can provide performance-enhancing technology combined with comprehensive support to optimize your plant operations.

That supplier is Emerson.

Are you ready to experience increased satisfaction with market-leading controls and award-winning support services? If so, then make the transition to Emerson and discover why we are the leaders in power generation controls and automation with a full suite of products and services.

Benefit From Today's Technology While Preserving Yesterday's Investments

Transition your ABB Bailey control system to best-in-class Ovation technology. Emerson migration programs have demonstrated reduced project costs and improved plant operations in hundreds of installations on various control system platforms, even those from other vendors, including a variety of ABB Bailey systems.

Key to our migration strategy is providing proven cost-effective transition avenues customized to fit your unique objectives. Available options for owners of ABB Bailey controls include systems interconnect, console replacement, termination reuse, and a complete technology renewal.

The systems interconnect option is perfect for customers that require an immediate technology transition with little to no downtime. An OPC compliant server enables data interchange between Ovation and ABB Bailey Symphony/Harmony, INFI 90 OPEN, INFI 90, and Network 90 systems. Automated tools populate the Ovation database with information from user-supplied ABB Bailey system files. Exception report function blocks are mapped into Ovation analog, discrete, and algorithm records to provide full alarming and trend capabilities.

The console replacement option was designed for customers who require a higher level of control and monitoring functions from a single system. Ovation operator and engineering workstations are combined with an OPC server to fully integrate operation of the ABB Bailey Symphony/Harmony, INFI 90 OPEN, INFI 90, and Network 90 systems. Original HMI displays are duplicated on the Ovation system to maintain operator familiarity. Ovation standard graphic macros can then be used to further enhance displays for easier navigation.

A complete system migration consists of a total Ovation solution to control your entire plant, thus eliminating reliability, connectivity, and maintenance issues associated with the ABB Bailey legacy equipment, controls, databases, and graphics. As a key component in Emerson's PlantWeb® digital architecture, Ovation offers a growing and unequalled array of fully integrated products and capabilities to help you gain and maintain a competitive advantage for years to come. PlantWeb is an automated solution that delivers asset management, process control and management execution through intelligent field devices, industry standard platforms, and integrated modular software. It provides seamless connection to widely adopted digital 'smart' device communication protocols including HART, FOUNDATION fieldbus, Profibus DP and DeviceNet.



“In 1987, Pawnee Station management made a commitment to have a consistent approach to plant-wide control that would be expandable, keep up with technology, and allow leverage of installed I/O as other hardware and software is upgraded. Emerson products have continually met that commitment.”

— **David Lowe**, Station Director, Pawnee Power Plant, Xcel Energy



Decades of Power Industry Expertise Working for You

As Emerson’s Power & Water Solutions industry center, we lead the company’s business endeavors in the power generation industry by delivering the widest array of advanced instrumentation, control, and automation technologies available today. From expert consultant services to world-class technologies to comprehensive project management, field service, and technical support, we offer comprehensive I&C solutions. Designed specifically for the power generation industry, our systems offer reliable, high-speed, high-capacity performance plus embedded advanced control, integrated asset optimization, and seamless incorporation of intelligent field devices for optimum control of mission-critical processes.

The Ovation expert control system is the product of our four decades of experience in process control for the power generation and water/wastewater treatment industries. Ovation utilizes commercially available, off-the-shelf technology, while providing a powerful and secure architecture while allowing your system to easily progress with rapidly advancing computer technologies. Ovation provides a seamless interface with the most widely adopted bus standards allowing you to incorporate smart device technologies into your process. And Ovation’s embedded advanced algorithms and proven industry-specific control routines assure that you can optimize your operations to maximize efficiency, productivity, and profitability.

The Emerson Advantage

- **Low-risk, U.S.-based Provider**

Emerson, headquartered in St. Louis, Missouri, is a recognized leader with a foundation of business excellence, a long history of financial stability, and award-winning brands such as PlantWeb, Ovation, Fisher, Rosemount, and Smart Wireless.

- **Power Generation Focused**

With more than 40 years of proven experience, the Power & Water Solutions division is Emerson’s designated Center of Excellence for the power generation industry. We specialize in total plant control systems and applications for boilers, HRSGs, steam and gas turbines, balance of plant, optimization, simulation, and consulting services.

- **Ovation – Designed for Power Generation**

Specifically designed to optimize the power generation industry, one Ovation system offers a unified control platform for all your power plant requirements, providing your personnel with consistent and simplified operations and maintenance.

- **Proven Solutions**

Emerson’s flexible transition program offers a proven, phased approach that provides our customers complete control of their technology investment.

- **Committed OEM Implementation Support**

Emerson is 100% committed to providing controls-related product support throughout your Ovation system life cycle.

- **High Customer Satisfaction**

Emerson’s customer satisfaction rating is unmatched in the industry, as each year we continue to surpass our competitor’s ratings. We are leaders in our business as recognized year after year by numerous trade magazines, as well as the prestigious Frost and Sullivan market analysts.

For more information:

www.emersonprocess-powerwater.com