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Summary

True to Invensys'
Continuously Current
philosophy, the 100
Series Fieldbus Module
(FBM) Upgrade Solution
preserves existing
investments and provides
an upgrade path to the
latest platform with
minimum cost, risk,
and process impact to
operations.

Business Value

Take advantage of
the latest I/A Series
technology in a cost-
effective approach for:
• Improved performance
• Improved reliability
• Cyber security
  enhancements
• Maximized system
  lifecycle

Foxboro 100 Series Fieldbus Module (FBM) Upgrade Solution

THE FOXBORO I/A SERIES SYSTEM

Since its inception in 1987, the Foxboro® I/A Series® system has kept a Continuously Current promise to its users - as technology and your needs evolve so will your I/A Series system. Today, the I/A Series system is continuously infused with the latest technologies, and committed to maintaining interoperability with previous generations. This assures easy upgrades and significantly reduces total cost of ownership. Modernizations can often be high cost, high risk projects with significant impact to production – serious factors that users can't afford in today's economy. The 100 Series FBM Upgrade program is another example of the Invensys Continuously Current philosophy, providing a cost-effective upgrade path to the I/A Series system's latest fieldbus modules - the 200 Series FBM product line.

MINIMUM COST, RISK, AND IMPACT TO YOUR PROCESS

A Simple Approach that Preserves your Existing Investment:
The Foxboro 100 Series FBM Upgrade solution enables you to upgrade to the latest technology while minimizing the cost, risk and process impact typical of system upgrades. Our approach significantly reduces downtime by preserving your existing infrastructure and field wiring. Your intellectual property is protected with the reuse of process displays and control configuration.

100 Series FBM Upgrade Solution provides:
• **Minimum Downtime** – reduced to hours vs. weeks
• **40% Cost Savings** – No rewiring necessary
• **Minimal Configuration Efforts** – retain 99% control blocks, 100% process graphics
• **Foxboro Expertise** – in-house know-how of service, delivery & engineering teams

Foxboro®

THE 100 SERIES FBM UPGRADE APPROACH

Fast and easy installation

We've designed new 200 Series FBM rack-mounted inserts to plug-in directly to your existing 100 Series cells. Field wiring is retained and communicates to the 200 Series FBMs via new Termination Assembly Adapters (TAAs) and your existing nosecones. Much of your existing infrastructure is retained, including field wiring, with no extra footprint needed.

Hardware conversion in a few, simple steps:
1. Disconnect Nosecones from FBMs
2. Remove 100 Series FBMs
3. Disconnect and Remove 100 Series FBM Mounting structures
4. Insert new 200 Series FBM rack mounted inserts into same location
5. Plug in standard 200 Series FBMs
6. Plug-in Term Assembly Adapters (TAAs)
7. Replace Nosecones

THE BENEFITS OF NEW TECHNOLOGY

Improved performance and lifecycle management

The 100 Series FBM product line has served as a reliable and rugged I/O sub-system to the I/A Series installed base for over 20 years. While we continue to support our 100 Series FBM users, the 200 Series FBM product line is our preferred I/O subsystem, featuring a longer product lifecycle and offering greater capabilities than its 100 Series FBM predecessor. As an I/A Series user, the 100 Series FBM upgrade approach provides you with a cost-effective path to our latest technology to improve your operations.

Take advantage of the latest I/A Series system has to offer you:
- **200 Series FBMs** – improved diagnostics, predictive maintenance capabilities and increased reliability
- **1 GB self-healing Mesh Network** – increased performance, capacity, and availability
- **Faster, more powerful and fault-tolerant Controllers** – triple the block processing speeds, twice the capacity
- **Cyber Secure enhanced system** – protection against cyber security vulnerabilities and compliance with industry standards (NERC, FERC, CIP)
- **InFusion™ Enterprise Control** – with the latest I/A Series system platform, take advantage of complete integration of your enterprise for better business decisions and improved profitability

In addition to our fast and easy plug-in approach, Invensys offers innovative discounts and flexible funding options for our upgrade customers through Customer FIRST and Performance Advantage Programs. Call your service or sales representative today to discuss your upgrade plan.

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