

Stay Current to Stay Competitive

“In some plants, control system obsolescence is responsible for up to a 5% loss in total production.”

What if...

- You could have a process system upgrade blueprint designed to give your plant the biggest productivity bang for your buck at the lowest disruption risk?
- You could pre-test upgrades to take the “what-if” factor out of their implementation to ensure minimal process disruption?
- You had personnel on call dedicated to implementing those upgrades before your existing systems and devices became process disruption or replacement cost liabilities?
- You could upgrade your process automation control system automatically on-line, without interrupting current operations and production?

The purpose of your automation system investment is to ensure industrial production and product quality while minimizing production costs.

Meeting production and business demands are a challenge for any industry, regardless of their world area. Moreover, competing in a global environment places greater demands on automation to increase plant efficiency, throughput and profitability.

In order to produce competitive products at reduced costs, manufacturers increasingly rely on new technologies. But these technologies are usually only available on modernized control systems.

OUTDATED TECHNOLOGIES REDUCE CAPITAL RETURNS

Meeting production and business demands becomes increasingly challenging with aging or antiquated automation systems that lack modern technologies, agile service strategies, and smart applications. These shortcomings create inefficiencies in equipment usage, production and workforce utilization.

UPSET, SHUTDOWN RISKS

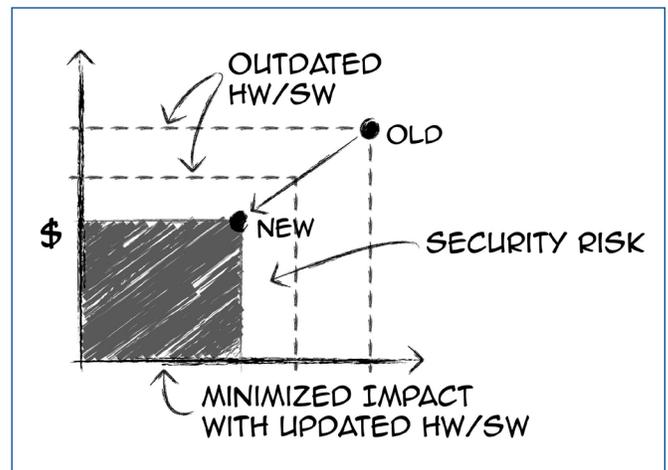
System obsolescence can increase the risk of unscheduled downtime due to component failure and cybersecurity vulnerability. As the likelihood of these risks increases, the ability to respond decreases. The result: more frequent upsets of longer duration.

INCREASED MAINTENANCE COSTS

The business impact of data failure can be disastrous. In fact, one source indicates that 70% of businesses that suffer a serious data loss are impacted for two years or more. Data failure impacts are so dramatic because they affect businesses in a variety of ways.

INCREASED CYBERSECURITY RISK

Systems become more vulnerable to cybersecurity threats as virus protection, security patches and updated virus definitions aren't kept up-to-date.



DELTA V UPGRADE SERVICE

REDUCE PRODUCTION COSTS

New technology drives down total cost of ownership (TCO), and bringing systems up to date reduces exposure to hardware, software and cybersecurity risks.

INCREASE PRODUCTIVITY

Productivity enhancements enable operators, maintenance technicians and engineers to do more, faster, and easier. Serviceability enhancements enable maintenance technicians to leverage asset optimization, essential asset monitoring, system health monitoring and lifecycle support services.

LOW-RISK MODERNIZATION

Each Upgrade solution is designed to meet your plant production needs, taking a methodical, project-oriented, risk-averse approach to modernizing the DeltaV™ distributed control system (DCS).

EXPERT PLANNING, IMPLEMENTATION

Trained and certified upgrade experts leverage years of industry and system experience to plan and test the upgrade to ensure a smooth and uneventful transition to the new platform.

UPGRADE ONLINE

The DeltaV system lets you upgrade any continuous, redundant system online. The DeltaV Upgrade Services utilizes best practices, procedure and certified upgrade specialists to upgrade your system without disrupting plant operations or production.

TECHNOLOGIES AND SERVICES DESIGNED FOR RESULTS

Emerson continually invests in technology and solutions designed to increase your productivity while driving TCO down. The modernized system leverages the latest technology, engineered solutions and a portfolio of services to maximize throughput and availability while minimizing TCO.

The approach starts by defining your system upgrade objectives including: lifecycle planning, new system technology utilization, hardware and software updates, industry solutions and the state of your production at the time of the upgrade.

Don't wait for a plant outage before taking action to begin increasing system availability and lowering total cost of ownership—DeltaV modernization can start right now. For more information, contact your local sales office or visit www.EmersonProcess.com/SystemServices.

“The control system is the manufacturer’s primary tool for running the operation. Profit margins, quality control, production and inventory management, and safety all hinge on the process control systems. A DCS upgrade is an opportunity to improve manufacturing reliability and leverage the latest technologies.”

For more information, contact your local sales office or visit: www.EmersonProcess.com

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