

Control system upgrades and support



Increase plant efficiency

Increase plant reliability and uptime

Improve operability, including remote access

Pinpoint problems with better plant data

Enhance maintenance and management systems with better access to plant information



“By taking the time to investigate and fully understand the problems that plant managers face, we’ve developed flexible and innovative process control solutions that have shown real efficiency benefits for plants worldwide.”

Woody Hulbert, Field Services Manager, Equipment Sales and Plant Support

Upgrade to greater process control

At Air Products we appreciate how important it is to drive plant efficiency and reliability. Often, an upgrade to your control system can make all the difference. Regardless of the size or manufacturer of your plant, we can provide you with the tailored control solution you need to help you meet your goals.

Our process controls expertise is built on our experience operating hundreds of plants worldwide. We offer a wide range of services and support, from upgrading obsolete legacy systems to configuring systems for plant expansions; from integrating a plant control system into a facility-wide Digital Control System (DCS) to installing diagnostics for remote troubleshooting. Depending on the upgrade options you select, benefits can include a higher level of automation and better integration of plant and process data into other systems, giving you greater control over plant operation.

What we can offer

Upgrades

- Replacement of hard wired, pneumatic or electronic controls
- Replacement of hard wired safety shutdown panels with PLC-based systems
- Human/Machine Interface (HMI) hardware and software upgrades
- Instrumentation upgrades
- Migration from one control system to another

Diagnostics and troubleshooting

- Studies of control system hardware
- Analysis of reliability problems, such as system failures, problematic control loops and interfaces to other systems
- System health check and maintenance packages
- System backup to enable restart following failure
- Remote monitoring and support

Advanced control applications

- Plant optimization
- Plant ramping options
- Time of day operation

Turnkey plant expansions

- Full project management, from hardware and software design through commissioning

What does this mean for your operation?

Greater operational control

- A higher level of automation provides more reliable plant control and helps reduce unwanted plant trips
- Operator graphics display live process data as on the P&IDs
- Remote access packages make it possible to view plant status or control the plant from a remote location

Enhanced alarm information

- Alarm screens with audible alerts include prioritization
- Real-time and historical alarm logging replaces alarm printers

Better interconnectivity

- Data links allow communication with other control systems
- Connection to modern, open-architecture HMIs supports powerful supervisory functions, including transmission of alarms or process data

Robust management tools

- Asset management systems allow more efficient maintenance programming
- Integration with enterprise management systems gives management access to plant performance data and supports automated billing
- Real-time and historical trending replaces chart recorders



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