



Moore APACS DCS migration

A low-risk, low-cost migration path to the proven, high performance, and highly reliable EcoStruxure™ Foxboro DCS

Foxboro DCS modules are manufactured in the same form factor as existing Moore APACS I/O cards



Solution at a glance

The Foxboro DCS Plug-in Migration solution designed for Moore APACS systems enables you to take advantage of Foxboro DCS technology with no rewiring, no extra footprint and minimal cost, risk and impact to your operations.

Take advantage of the latest technology and the low-cost, low-risk approach that gets you:

- Improved system performance and reliability
- Cybersecurity enhancements
- Improved integration and profitability with complete enterprise control
- Maximized system lifecycle
- HART enabled communication

The migration challenge

Your Moore APACS system needs to be replaced, but you cannot afford the high cost, the high risk and the lengthy process downtime. Only the Foxboro DCS migration solution was designed with these needs in mind.

The Foxboro DCS boasts the industry's highest uptime availability record. It offers modern operating systems, workstations and control software, as well as high-speed communications. Plus its Foxboro DCS architecture leverages the latest technologies from Schneider Electric and third-party suppliers, today and tomorrow.

What is the Foxboro DCS migration solution?

Schneider Electric manufactures its standard I/O modules to be one-for-one, form-fit replacements for your existing Moore APACS I/O modules. We install these modules into your existing cabinets and racks without moving a single process wire or increasing your system footprint. They line up exactly with your I/O points. We add our own network connectors and add new controllers and workstations, resulting in a 100% new Foxboro DCS. Substantial construction costs and lengthy process downtimes caused by rewiring to new cabinets are eliminated, and installation is reduced to a matter of hours.

And we support the entire system, including the leftover existing components, as a new system.



Team Leader, Control Engineering

"We felt very comfortable with the technical aspects of the Foxboro DCS migration solution, as well as the team performing the migration. As important, we believed that Schneider Electric could offer us a better total cost of ownership."

Pure and simple plug-in migration with Foxboro DCS I/O modules

- Manufactured to be form-fit replacements for your existing Moore APACS I/O modules
- Meets or exceeds original specifications
- Requires no new cabinets, racks, termination assemblies or power supplies
- Keeps all process wiring in place — unchanged
- Resolves I/O mapping issues
- Improves reliability by providing redundant communications to every I/O module — no single point of failure

The benefits of expertise

Database conversion and testing are performed offline, in our Migration Center of Excellence, by engineers with expertise in Moore APACS database conversion. Automated tools assist them in converting your control logic and displays to Foxboro DCS format.

Or, if you prefer, you can preserve your existing graphics and applications by upgrading to a new version of AVEVA supervisory software. A full system Factory Acceptance Test is performed ahead of time, to ensure that all conversions are done properly. Our goal is to ensure that nothing will impact your ability to start your process back up on time.

What about optimization? Our experts can help you improve the performance of your new system, taking advantage of the Foxboro DCS advanced control capability.

Fast and easy installation

New workstations and controllers are put in place ahead of time alongside your Moore APACS equipment. Then, on the day the switchover is to occur, the process is shut down, we plug in the I/O modules, attach the network connectors to the controllers and workstations, and you are now ready to start loop checkout. Since no wires are moved, loop checkout is a snap.

In most cases we have you back online, making product by the end of day one. In fact, some customers have chosen to do the upgrade online, with no process downtime.

Low-risk, reversible approach

Once other vendors cut or move your process wires, you can't start up unless and until all problems are resolved. But with the Foxboro DCS migration solution, should a problem arise, your original system can easily be put back in place. We take the problem and its resolution offline — without endangering your production schedule.

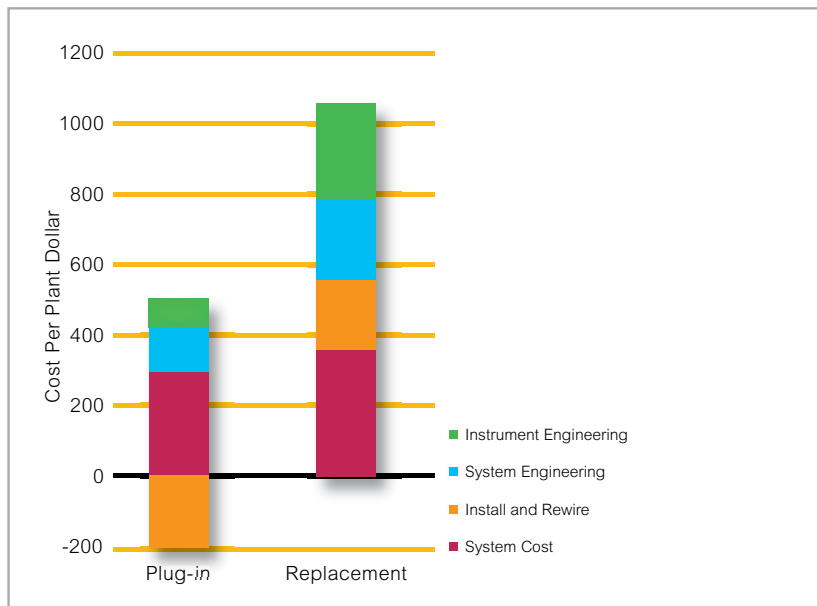
Dramatic downtime reduction

Most vendors will require you to suffer the miseries of a bulldozer upgrade: shutting down your plant for weeks or months, tearing out your old system and all its wiring, then rewiring and debugging a totally new replacement system.

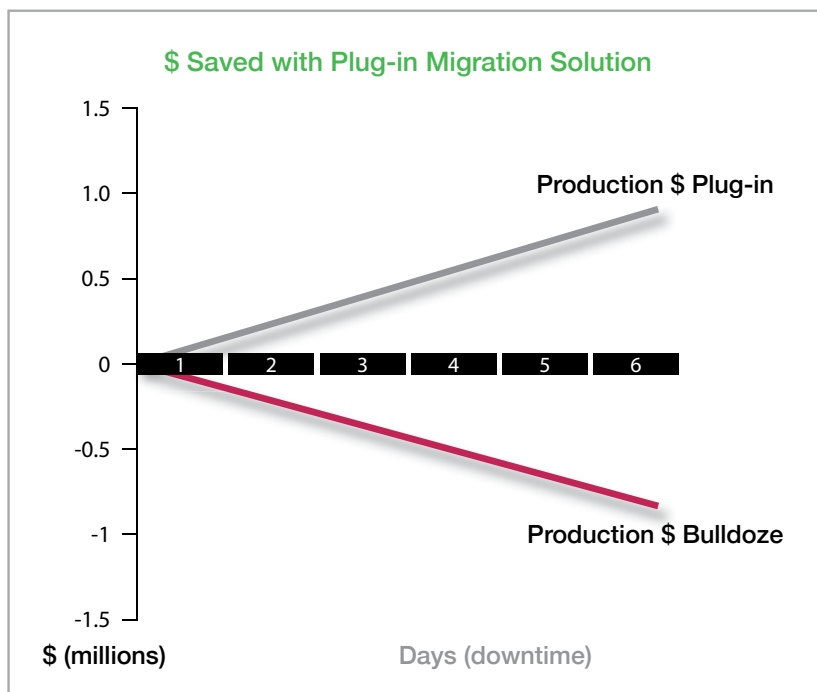
Weeks or months of process downtime have a substantial cost that is often overlooked. Schneider Electric will have you back up and operational the same day. Think of the potential millions in production savings this represents.

Cost comparison

Plugging in a new Foxboro DCS solution versus bulldozer upgrade



Every minute of production downtime costs you money





Larry O'Brien,
Research Director, ARC

"Foxboro DCS I/O modules are manufactured to be plug-in replacements for the original legacy system I/O modules. We believe that the Foxboro DCS plug-in migration solution minimizes cost, risk, and process downtime when doing a system replacement. The solution preserves field wiring and can be installed in a matter of hours with little custom engineering, and is easily reversible if the user wishes to revert to the old control scheme."

Support for a lifetime

Schneider Electric assumes responsibility for service, repair and replacement of all system components, including original Moore APACS equipment left in place after migration. We provide support on all components, old and new.

In fact, after you plug in your new Foxboro DCS, we're committed to supporting you for a lifetime. We'll be your expert partner for as long as you use Schneider Electric products and services. Choose from a family of Customer FIRST services, including training and support to help you improve the economic performance of your plant or enterprise.

You'll never have to confront "end of life" issues with your critical automation system again.

Benefits of Schneider Electric's Foxboro DCS migration solution

- A cost-effective solution
- Retention of existing I/O and field wiring
- Immediate migration to modern open technology
- The ability to add advanced control to existing process immediately
- No I/O mapping issues
- No gateway bottlenecks and constraints
- Single-vendor responsibility for service and support

Contact us

Let Schneider Electric's Foxboro DCS migration experts show you how to plug in and unleash the full power of the Foxboro DCS. We do it right for our customers, with a migration solution designed to reduce the cost, risk and process downtime associated with a system replacement.



- Retain your existing cabinets
- Retain or replace your existing power supplies
- Retain or replace your existing termination assemblies
- Retain your process wiring
- Replace the electronic modules

se.com/dcs-migration-upgrade

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