

> LEGACY FISHER PROVOX DCS MIGRATION DATASHEET

Replace Your Legacy PROVOX Series 10 & Series 20 System
by Plugging In a Brand-New, Low-Cost, No-Risk I/A Series System



FOXBORO

> ABOUT IPS

Invensys Process Systems (IPS), headquartered in Plano, Texas, is a global technology, software and consulting firm leading significant change in process manufacturing, plant optimization, business operations and enterprise performance. IPS clients are some of the world's most important industrial organizations - companies that operate large oil refineries; plants that process chemicals, gas, LNG, power, nuclear, pharmaceutical and minerals; and pulp and paper mills. IPS solutions, used at more than 50,000 locations across the globe, include field devices and controls from Foxboro and Triconex, advanced applications from SimSci-Esscor, operations management from Avantis, and the world's first truly "open" enterprise control system, InFusion. Nearly 7,000 employees integrate these capabilities to create solutions that increase efficiency, boost productivity and accelerate performance, resulting in improved safety, operational efficiency and useful data extractions from operations to make faster, better decisions.

> THE MIGRATION CHALLENGE

Your legacy PROVOX system needs to be replaced, but you cannot afford the high cost, the high risk, and the lengthy process downtime.

Only the Invensys Process Systems (IPS) migration solution was designed with these needs in mind.

The I/A Series® system is the most intelligent automation solution on the planet. It boasts the industry's highest uptime availability record. It offers state-of-the-art operating systems, workstations, control software, and high-speed communications. Plus its InFusion architecture leverages the latest technologies from IPS and third-party suppliers, today and tomorrow.

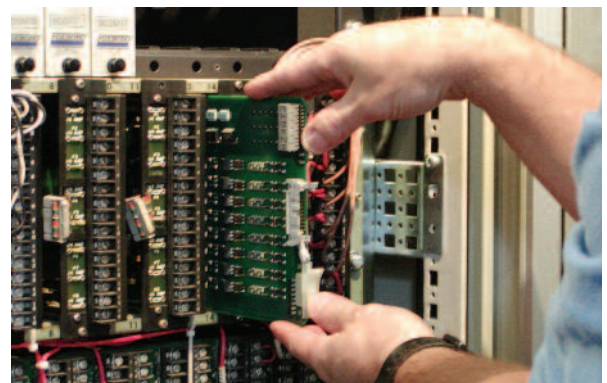
> WHAT IS THE IPS MIGRATION SOLUTION?

IPS manufactures its standard I/A Series I/O modules to be one-for-one, form-fit replacements for your legacy PROVOX 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 I/A Series controllers and workstations, resulting in a 100% new I/A Series system. 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 warranty the entire system, including the leftover legacy components, as a new system.

> PURE AND SIMPLE PLUG-IN MIGRATION WITH I/A SERIES I/O MODULES

- Manufactured to be form-fit replacements for your legacy PROVOX I/O modules
- Meets or exceeds original specifications
- Supports UOC, UOC+, MUX, and IFC for Series 10 and Series 20
- Requires no new cabinets, racks, termination assemblies, or power supplies
- Keeps all process wiring in place – unchanged
- Eliminates I/O mapping issues
- Improves reliability by providing redundant communications to every I/O module – no single point of failure
- Protects you with full system warranty on all new and remaining legacy equipment



I/A Series I/O modules in a PROVOX form factor

“We felt very comfortable with the technical aspects of the I/A Series migration solution, as well as the Foxboro team performing the migration. As important, we believed that Invensys could offer us a better total cost of ownership.”

—Ruud Denneman
Team Leader, Control Engineering, Total Exploration & Production, Holland



> THE BENEFITS OF EXPERTISE

Database conversion and testing are performed offline, in our Migration Center of Excellence, by engineers with expertise in PROVOX database conversion. Automated tools assist them in converting your control logic and displays to I/A Series format. A full system Factory Acceptance Test is performed ahead of time, to ensure that all conversions are done properly. Our motto is - test, test, and test again. 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 I/A Series advanced control capability.

> FAST AND EASY INSTALLATION

New workstations and controllers are put in place ahead of time alongside your PROVOX equipment. Then, on the day the switchover is to occur, the process is shut down, we plug-in the I/A Series I/O modules, attach the network connectors to the I/A Series 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 on-line, with no process downtime.

> THE NO-RISK, REVERSIBLE APPROACH

Of all the migration solutions on the market, only the IPS migration solution is non-destructive and easily reversible.

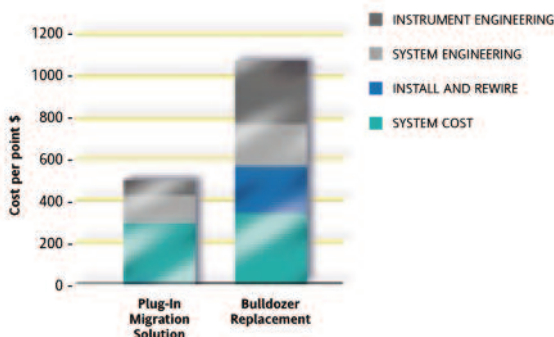
Once other vendors cut or move your process wires, you can't start up unless and until all problems are resolved. But with the IPS migration solution, should a problem arise, your original system can easily be put back in place. We take the problem and its resolution offline - without endangering your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

> DRAMATIC PROCESS DOWNTIME SAVINGS

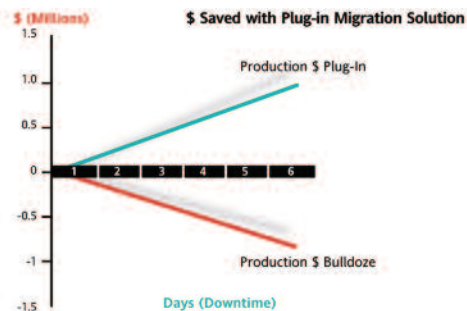
Most vendors will require you to suffer the miseries of a bulldozer upgrade: shutting down your plant for weeks or months, tearing out your old system and all its wiring, then rewiring and debugging a totally new replacement system. Weeks or months of process downtime have a substantial cost that is often overlooked.

IPS will have you back up and operational the same day. Think of the potentially millions in production savings this represents.

COST COMPARISON: Plugging in a new I/A Series solution versus bulldozer upgrade



Every minute of production downtime costs you money





"I/A Series I/O modules are manufactured to be plug-in replacements for the original legacy system I/O modules. We believe that the Foxboro 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."

—Larry O'Brien
Research Director, ARC Advisory Group

> SUPPORT FOR A LIFETIME

IPS assumes responsibility for service, repair, and replacement of all system components, including original PROVOX equipment left in place after migration. We extend a new system warranty on all components, old and new.

In fact, after you plug in your new I/A Series system, we're committed to supporting you for a lifetime. We'll be your expert partner for as long as you use IPS products and services. Choose from a family of LifeTimeSM 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 THE IPS MIGRATION SOLUTION

- Cost-effective
- Retains existing I/O and field wiring
- No need to wait - migrate to state-of-the-art open technology now
- Add advanced control to existing process immediately
- No I/O mapping issues
- No gateway bottlenecks and constraints
- Single vendor responsibility for service and support

> THE CALL THAT DOES IT ALL

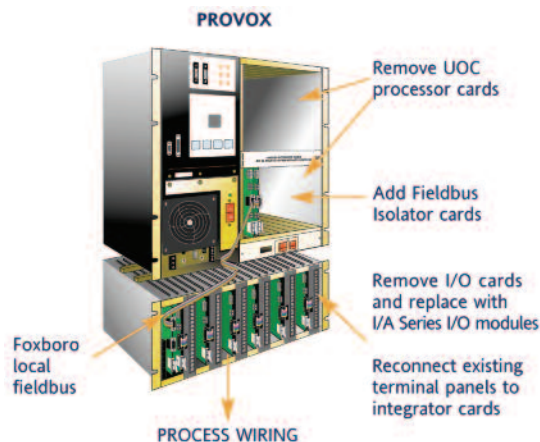
If your current PROVOX system is obsolete, and the cost of replacement parts and maintenance is draining your profits, why wait to enjoy the benefits of today's technology?

Let the IPS migration experts show you how to plug in and unleash the full power of the I/A Series system. 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. Visit us on-line at www.ips.invensys.com/migration to register for a free migration audit, or call us at **1-508-549-4905**.



> OFFICE LOCATION

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- Retain your legacy cabinets
- Retain your legacy power supplies
- Retain your legacy termination assemblies
- Retain your process wiring
- Retain only the electronic modules