

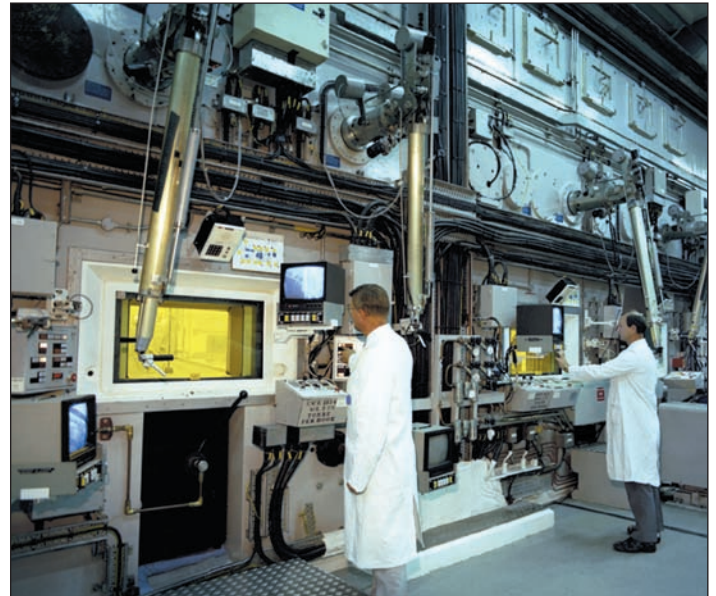
InFusion Access — Device Integration Solutions from Invensys

INFUSION™
Enterprise Control System

AVANTIS • FOXBORO • SIMSCI-ESSCOR • TRICONEX • WONDERWARE

BENEFITS

- ▶ Provide optimal integration with InFusion components
- ▶ Extend security to the data level, so reads and writes to devices and external systems do not have to be customized using scripts
- ▶ Activate, deactivate, configure and monitor DA servers locally or from remote nodes
- ▶ Increase the availability of built-in system diagnostics for prompt troubleshooting and optimization
- ▶ Allow for the easy integration of new client protocols as they emerge
- ▶ Provide native client connectivity to OPC Servers



The InFusion ECS is the world's first Enterprise Control System — a new class of system that goes beyond traditional operational control to deliver true enterprise control. It is the first system that spans all traditional automation and information domains and integrates all of today's process automation and information systems, regardless of supplier or generation, as one business environment. This capability enables a more collaborative environment and a greater level of agility for detecting and responding to unanticipated problems.

As an enabling platform for Asset Performance Management (APM), the InFusion ECS extends closed loop control throughout an organization delivering increased visibility throughout the enterprise; unprecedented, affordable integration; incomparable productivity; and an intelligent foundation for business optimization.

Invensys brings together world-class technologies and know-how, balancing asset availability and utilization to maximize the economic value of all plant assets, to deliver true APM.

By providing the right information to the right people in the right context at the right time, the InFusion ECS can empower everyone in an enterprise—from executives to the plant-floor operator.

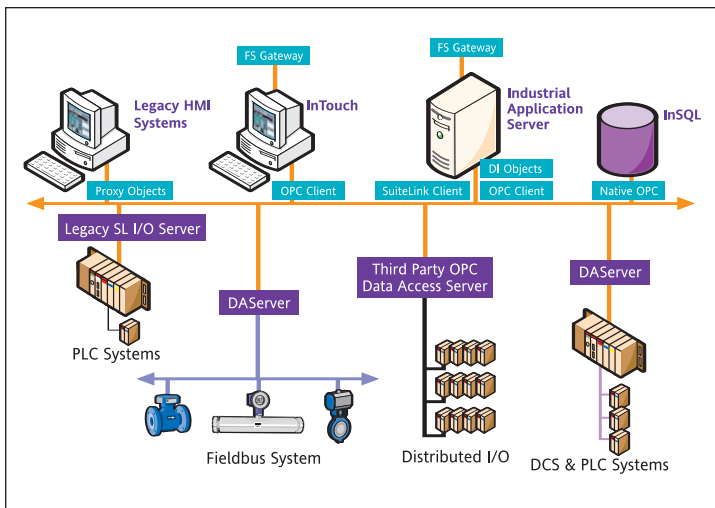
Invensys' InFusion™ Enterprise Control System (ECS) leads the industry with the broadest set of connectivity options to control hardware and communications protocols needed to support supervisory, plant performance, and production management systems. Connectivity, communications and ease of use are hallmarks of Invensys' broad line of Device Integration products, which include DA Servers (Data Access Servers), Device Integration (DI) Objects, Proxy Objects, I/O Servers, FactorySuite® (FS) Gateway, and Tag Creators. Invensys' device integration offerings continuously grow and evolve, with new products and enhanced features, such as powerful diagnostics, redundant communications, data level security, native OPC connectivity and improved deployment capabilities.

CONNECTIVITY

Invensys has an impressive library of Device Integration solutions for interfacing to a broad range of control and sensor devices on the plant floor. More than 800 servers are currently available for the InFusion ECS as well as equipment from more than 100 partner companies, providing connections to PLCs, RTUs, DCSs, flow controllers, loop controllers, scales, gauges, bar code readers and other hardware devices from the biggest names in industrial automation — including Allen-Bradley, Foxboro, Modicon, Siemens, SimSci-Esscor, Triconex, and many others.

DA SERVERS

DA Servers, are designed to provide simultaneous connectivity between plant floor devices and modern DDE, SuiteLink™ and/or OPC-based client applications. DA Servers support the OPC Data Access 2.05 specification and offer additional features beyond the standard, including powerful diagnostics and remote configuration capabilities. The InFusion ECS consistently adds new and enhanced Device Integration products to our server library.



TAKING DEVICE INTEGRATION TO THE NEXT LEVEL

With the InFusion Application Environment, the level of Device Integration is greatly expanded. This is being done with the introduction of Device Integration (DI) Objects and Proxy Objects. Device Integration (DI) Objects work with DA Servers and are designed for applications that connect to the InFusion Application Environment. They represent the application's network and devices, and mirror the actual device hierarchy.

PROXY OBJECTS

A Proxy Object is an Automation Object that represents an actual product for the purpose of device integration with the Industrial SQL Application Server. For example, there is a Proxy Object that enables the Industrial Application Server to access an OPC server.

The InFusion View Proxy Object allows an Industrial Application Server user to browse the Tag Database of an application and import its data. Extending this functionality, a Proxy Object can represent just about any HMI product. As a result, an InFusion Historian user can seamlessly integrate HMI products from multiple vendors into one centralized database.

EASILY INTEGRATE LEGACY HMI SYSTEMS

The InFusion ECS also offers a Proxy Object called iProxy that enables systems integrators and end users to tightly integrate GE Fanuc iFix and FIX 32 HMI installations with the InFusion Historian. Using iProxy, a user can consolidate data from existing InTouch, iFIX and FIX 32 databases into one centralized database.

OPEN INTEGRATION

In keeping with the Invensys tradition of open and easily accessible software products, the InFusion ECS Gateway provides a protocol translation capability between SuiteLink/DDE, OPC and InTouch or Industrial SQL Application Server Data Sources. FS Gateway can, therefore, be used to link legacy SuiteLink/DDE applications into an InFusion Application Environment based application or to serve data from InFusion View or the InFusion Application Environment via OPC.

EXTENSIBILITY

If a server for a particular device does not yet exist, the Wonderware DA Server Toolkit and Rapid Protocol Modeler (RPM) Kit are available to help develop a custom solution. What this means is that every device — on the factory floor or in the field — can connect to InFusion applications, providing a smooth, uninterrupted flow of data. If a server for a particular device does not yet exist, the Wonderware DA Server Toolkit and Rapid Protocol Modeler (RPM) Kit are available to help develop a custom solution. What this means is that every device — on the factory floor or in the field — can connect to InFusion applications, providing a smooth, uninterrupted flow of data.

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