Architecture by ArchestrA™
Every System in Your Plant, Working in Concert.

Invensys' New ArchestrA™ Industrial Application Architecture Extends the Useful Life of Existing Plant Systems & Lowers the Total Cost of Ownership

Quality, responsiveness and cost efficiency have always been imperative for the survival of any plant or factory, but never more so than today. As the pace of change accelerates at Internet warp speed, product cycles are growing shorter and more complex. New or enhanced products must be brought to market far more quickly or they risk being obsolete. They also must be rapidly customizable for use in any global market – which means that manufacturers must be extremely agile in order to survive in today's economically efficient markets.

At the same time, there are new market drivers that complicate the issue. Application integration costs keep rising. Manpower shortages in engineering fields mean there simply are fewer people to do the work. Total cost of ownership is more critical than ever because manufacturers need to squeeze as much production as possible out of their lines, and make use of those lines for longer lives. Information management is more critical than ever, because users want centralized client/server systems that operate similarly to their enterprise applications, but the realities of the factory environment require peer-to-peer systems for linking thousands of plant floor devices.

What do these issues mean for plant and factory managers as they evaluate options for meeting these challenges? They can look to better automation and information solutions, but many plants and factories have already invested millions in technology and still haven't been able to quantify the results. The solution is to deploy production systems that can add increase the productivity of existing production investments as well as provide long-term expansion capabilities. Complicating the problem is that, up to now, it has been difficult to engineer automation and information systems that deliver finished projects in much shorter timeframes and with custom tailored functionality for different users.

Now there is an answer, however, that takes advantage of the latest developments in software, applications and services to allow the use of modular, reusable component objects that are applicable across multiple automation and information applications, instead of continually recreating functionality.

Recognizing that a totally new solution was needed, Invensys spent the past four years developing just such a powerful architecture for industrial applications. This new architecture is called ArchestrA™ – a combination of the words *architecture* and *orchestra* – and it comes to market as a unique combination of new toolsets, new products, new applications, and new services. It's a comprehensive software architecture that brings powerful new benefits to industrial automation/information users – from OEMs to Systems Integrators (SIs), to end users.

Invensys - Foxboro Eckardt is manufacturer of Intelligent Automation (I/A) Series Control Systems, Triconex Shut-Down Systems, Instrumentation, Recorders, Controllers, Electrochemical Measurement, valves, and NMR analyzers.

APV Systems · Esscor · Foxboro · SimSci · Triconex · Walsh

Jaroslav Karovic **Country Manager Invensys Systems GmbH** **Slovnaft Javorina 722,POB 3, Vlcie Hrdlo 54**
SK-820 03 Bratislava SLOVAK REPUBLIC T +421(2)45425088 F +421(2)45249253 M +421 (0)905 322164