

# Batch Systems Integration

One of Alba's key fields of expertise is batch control. Alba has developed and implemented dozens of advanced, flexible yet intuitive batch control systems all over the world, on many different automation platforms, and is ready to provide you with the solution you're looking for.

## Experience

Alba has been involved in batch control for many years, not just developing systems for clients but also playing an active role in the batch control community. Alba recognised the power of the emergent S88 standard from its beginnings, and moved to embrace both it and the systems that supported it early on.

As a result of this vision, and our continued commitment to remain at the forefront of batch control, we have an intimate understanding of modern-day batch automation systems, many of which still have these earlier systems at their core.

We maintain links with several of the leading batch system vendors, using our testing and implementation to help them to improve their products. In turn, these vendors recognise Alba as a first-rate batch integrator.

## Our Team

Alba has a strong and diverse skills base, especially when it comes to batch control. Our engineers have built on their qualifications and experience in the fields of electrical, mechanical and chemical engineering, as well as IT, by adding specialised knowledge of control and information systems. This means

that not only are they fully trained to work with a variety of control systems, they are also able to understand the operation of your plant and put that knowledge and understanding to work in getting the best from your process.

## What We Can Do

Thanks to the capabilities of its staff, Alba is able to offer a range of services for batch integration, ranging from consultancy and supplemental engineers for your project team, to full turnkey and fast-track projects.

We can assist in all the key areas of a project, such as:

- Functional specification
- Modelling and simulation
- Process development
- Recipe design
- Hazard analysis
- Validation planning and execution
- Commissioning and troubleshooting
- Electronic batch record generation
- Historical data collection and report design

The major benefits of a modern batch system can be realised not only in new processes, but also by upgrading plants currently running under older technology.

Capabilities



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Today's batch systems allow:

- Greater flexibility
- Better product development through empowering production and development staff to design recipes
- Increased throughput
- A wider range of possible products
- Continuous improvement and monitoring with advanced batch reporting tools

## Tailor-Made Solutions

One of the major benefits of a modern batch system is the ability to capture and store data about the performance of a process during batch production. Alba offers full integration with process information systems such as OSIsoft's RtPM and GE Fanuc's iHistorian products and can develop reporting tools to meet your requirements, allowing you to get the data you need to make your plant as efficient and effective as possible.



Alba has also developed additional 'in-house' software to meet the individual requirements of our clients. More advanced installations often call for additional functionality that major products cannot supply 'out of the box'. Using proven technologies like OPC, ActiveX, COM, .NET and SQL, as well as proprietary code libraries offered by the batch system vendors, Alba is able to exceed customers' expectations and deliver an enhanced batch system.

## The Complete Solution

Alba has been providing leading automation solutions and services to a variety of industries for many years. Our broad range of skills and experience means that we can provide a service that suits you.

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Capabilities

Alba