



ABB solves problems for Polimeri-Europa

When polymer refiner Polimeri-Europa decided to upgrade its control system, ABB provided what the industry-leader required.

Client: Polimeri-Europa

Location: Baytown, Texas

Scope of Work: System upgrade to ABB Industrial IT

“We chose the open environment system due the aspects that are available with linking all of the plant data together.

That includes our maintenance systems, drawings, SOPs and our ISO 9000. We were able to bring all of it together to the level of the console for the operator.”

Rob Saunders
Process Engineer
Polimeri-Europa



Polimeri-Europa enhanced their Symphony control system with ABB’s Industrial IT technology in 2001. ABB’s cost-effective Operate IT Process Portal brought to every operator’s console Aspect Objects technology - the ability to link aspects of pertinent databases to plant assets, or objects - and an open environment that links all plant data together.

Background

The control system technology in Polimeri-Europa’s Baytown, Texas plant was based on its sister plant in Ravenna, Italy, which started using ABB’s Symphony control system 1984. That technology was brought to the Baytown refinery when it was constructed in 1992.

Toward the end of the year 2000, Polimeri-Europa (formerly EniChem), decided to upgrade the console system at Baytown. As they researched the market, it quickly became obvious to them that the best long-term solution to upgrading the system and taking advantage of the latest technology was to stay aligned with a leader in process automation technology, ABB.

“We investigated our options,” explained Polimeri-Europa’s Process Engineer, Rob Saunders.

“We ended up choosing ABB because we felt that the technical support, longevity, and dedication to the customer would be there when we needed it. We didn’t find that in 3rd party interfaces.”

ABB's Aspect Object technology - the ability to link *aspects* of pertinent databases to plant assets, or *objects* - was also a key factor in the Polimeri-Europa's decision to go with ABB.

"We chose the open environment system due to the aspects that are available with linking all of the plant data together," Rob explains.

"That includes our maintenance systems, drawings, SOP's and our ISO 9000. We were able to bring all of it together to the level of the console for the operator."

The Solution

Polimeri-Europa enhanced their existing control system with ABB's Industrial IT technology.

Operate IT Process Portal provides a unified window interface to monitor, control and manage plant-wide information from one location. It's a full-featured operator interface designed to facilitate and optimize the monitoring, control, fault mitigation and optimization of any process and the management of the enterprise. Process Portal provides a graphical user interface; process data collection, storage and tools for analysis; an advanced alarm management system and a comprehensive Historian.

Smooth Conversion through Careful Planning

Rob describes the careful planning that ensured a smooth upgrade: "After the conversion was done with engineering support at the ABB facility, we brought the project to Baytown, including preloaded software on the servers and the clients. We connected them to our new Ethernet system we designed for this, and installed clients at the operator consoles in read-only mode. This created security for the operators, so they could take a look around and get familiar with how to navigate without physically making any changes.

Once we had the parallel mode in operation (running the old & the new) it was very easy for the operators to ask us for a button to take them to another view, or a specific report on a specific page. It was very easy to accommodate individual operator's requests to personalize their views. With this ABB system, they had their changes in five minutes. Operators aren't always open to change. When you introduce changes like we've done, they're not always happy. But I've had no negative comments about this product."



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Why Choose ABB?

- Open Environment
- Aspect Objects Technology
- Cost-Effectiveness
- Long-term Reliability
- Maintenance Level Benefits: Easy access to pertinent asset data
- Operations Level Benefits: Improved graphics and information such as operating procedures
- Engineering Level Benefits: Higher control system database accuracy

Looking Ahead

"ABB's commitment to our future here at Polimeri-Europa is something we trust in. We've seen that they're coming out with several new lines of products to connect to the system that we have now and we're looking forward to moving on with ABB."

Evolving Your Control System to Industrial IT

Customers all over the world improve performance and lower life cycle costs by building upon their existing ABB systems. Add the technological advances of ABB's Industrial IT offerings to get even more return from the systems you have. ABB is dedicated to preserving the process security and value of your control system investment.

We provide the industry's most comprehensive system life cycle and evolution programs to enhance your overall functionality and productivity, along with superior ongoing product support and service to keep your system operating at peak performance levels.

For more information on evolution of ABB open control systems, either call us at 1.800.HELP-365, or 1.440.585.7804, option #6. Or log on to: www.abb.com/controlsystems.

For more information on how ABB's Industrial IT technology can be employed to solve your chemical processing issues, visit us at: www.abb.com/chemical.