Responding to customer needs

Siemens offers plant-wide automation for the glass industry. The concept is designed for long-term success throughout the entire lifecycle of a production plant – including planning and services.

Siemens puts its focus on its customers and on the future: the group is reorienting its activities in line with the growth areas of electrification, automation and digitalization. The glass industry stands to benefit from new divisions such as Process Industries and Drives, Digital Factory, and Financial Services. With these additions, Siemens will be in an even better position to respond to the needs of its customers – and ensure their competitive edge.

A full portfolio from a single source
Plant operators and machine and plant manufacturers will be catered to better than ever by a portfolio that enables plant-wide automation throughout the entire lifecycle of a production plant – including planning and services. With its plant-wide automation concept, Siemens integrates all manner of automation solutions from various machine and plant manufacturers in a single, plant-wide total automation system, all along the value chain. The modular complete solution encompasses automation, drives, instrumentation and energy technology, as well as IT, digital planning and services.

Extensive industry knowledge
The groundwork for plant-wide automation based on the process control system Simatic PCS 7 is provided by Siemens’ established system architecture TIA (Totally Integrated Automation) and TIP (Totally Integrated Power), with products and systems for optimized power distribution. This is combined with the extensive industry experience of Siemens’ glass experts, from the batch house and the cold end, all the way to processing, and supply and auxiliary facilities. In short: Siemens specializes in the plant-wide integration of machines and plant sections in a total automation concept, offering its customers a great number of advantages.

Advantages of plant-wide automation
What exactly are the benefits of plant-wide automation? As glass manufacturers, investors, general contractors, machine manufacturers and systems integrators all appreciate, Siemens’ plant-wide automation perfectly balances out an array of important aspects. The result is a sustainable concept that incorporates economic and environmental aspects, while fostering valuable partnerships. In the following pages, GlassFocus shows readers how this holistic approach spans the entire lifecycle of a glass manufacturing plant – starting with consultation in the early planning phase, all the way to production and comprehensive global services.

Advantages of plant-wide automation
For glass manufacturers
- Sustainable profitability
- Increased productivity
- Cost and energy efficiency
- Quick time to market
- More flexibility
- Greater transparency
- Consistency in the plant
- Leading innovation

For machine manufacturers
- Protected expertise, independent site acceptance test and commissioning
- Less time required for engineering, commissioning and integration with Siemens standards
- Simulation
- Reliable, easy and cost-effective remote maintenance
- Product lifecycle services
- Flexible expansion with innovative solutions
- Extended lifecycle service: modernization, update/upgrade services