REAL-TIME RECIPE MANAGEMENT

Automated Recipe Updates and Ingredient Tracking Across Continents

A global beverage manufacturer achieved seamless recipe management by enabling real-time updates from North America to Europe, improving production efficiency and data accuracy.

Automating Recipe Management for Consistency

The project aimed to create an efficient recipe management system that allowed new recipes to be sent directly from North America to the European facility, automating updates and reducing manual input.

By integrating Ignition® SCADA with MES Sepasoft, the system enabled real-time data flow for precise ingredient tracking and selection. This setup empowered operators in Europe to implement recipes instantly, supporting consistent production standards and responsiveness to demand.

Overcoming Remote Installation Challenges

Due to the pandemic, the system was developed and deployed remotely, requiring extensive coordination to ensure seamless communication between the Ignition SCADA and MES modules.

The team worked closely with the customer to gain buy-in and troubleshoot any issues from a distance, achieving full synchronization between the European plant and North American headquarters. This enabled accurate, real-time data sharing across continents, supporting faster and better-informed decision-making.

Enhanced Production Accuracy and Scalability

The solution performed as expected from day one, achieving a remarkable 97% recipe tolerance by the second test batch.

This success set the stage for potential retrofits and future expansion across other facilities, ensuring scalable, efficient production as the company grows.

KEY OUTCOMES

- Achieved 97% recipe tolerance, ensuring production accuracy
- Enabled real-time recipe updates and data synchronization across continents
- Established a scalable solution for future facility retrofits and expansions

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