

Quality Advisor Solution Deployment for One of the World's Largest Automotive Safety Supplier



ABOUT THE CLIENT

The client is a Fortune 500 company and one of the world's largest automotive safety suppliers with sales to all leading car manufacturers worldwide. With over 67,000 employees in 27 countries, 14 technical centers and 19 test tracks, the client is at the forefront of automotive safety technology.

In order to meet their strict manufacturing and quality standards, the client needed a robust quality assurance system in their manufacturing plants. Online Statistical Process Control (SPC) system was deployed in one plant to achieve this objective. The SPC application required an upgrade that could meet the global stakeholders' expectation and rolled out in a cost-effective manner across various sites globally.

WHAT WAS NEEDED

- The application was required to be rolled out globally to improve the quality assurance system
- The application was not ThingWorx 8.5.6 compatible and required several changes to be upgrade-ready
- Efficient testing mechanism to replace tedious, time-consuming, error-prone manual testing that accounted for a sizable portion of the total deployment cost
- Multi language support
- Multi-site support capability

SOLUTION

- Rollout of the enhanced SPC application to multiple sites across Asia, Europe, and North America
- Enhanced the application by implementing new requirements and fixing all bugs
- Resolved upgrade issues and made the application compatible with the target version of ThingWorx
- Streamlined the testing processes using ThingWorx Automation
- Implemented support for 11 different languages
- Customized the application so that a single instance can support multiple plants

RESULT

- Enabled robust quality control at a global level (20+ manufacturing sites) with SPC application
- Enhanced user experience with application support in 11 languages
- Efficient utilization of servers by allowing different sites to share an application
- Overall deployment time cut down by 50% with automated testing

ABOUT ITC INFOTECH'S DIGITAL FACTORY CAPABILITIES

ITC Infotech's Digital Factory solutions help manufacturers leverage I4.0 technologies to enable an intelligent, reliable and predictive shop floor operations to be future ready. Built on industry templates using IoT, advanced analytics, automation, AI, mobility, & AR, the solutions enhance performance on KPIs across the shop floor for a more connected & predictable manufacturing environment.