



CASE STUDY

**Industry 4.0 Solution for Multi-site
Deployment of Quality Assurance
System in Manufacturing**



Client



A leading Swedish-American automotive safety system manufacturing company

Business Challenge



The client faced challenges without a real-time visibility of quality process deviations, resulting in increased scrap and was unable to meet consistent quality standards across its manufacturing plants.

- ❖ Unforeseen quality issues challenged the client to meet stakeholder expectation
- ❖ Lack of detection of issues in a timely manner resulting in increased scrap
- ❖ Absence of real-time view of abnormal process parameters to take necessary corrective action

ITC Infotech Solution



- ❖ Implementation of enhanced Statistical Process Control (SPC) solution across 20+ manufacturing sites in Asia, Europe and North America
- ❖ Automated SPC solution for detecting variation and raising advanced notification of process failures to the operators
- ❖ Custom rule creation, dynamic and continuous shop floor data acquisition and real-time identification of process conditions having impact on product quality
- ❖ Faster response for corrective action to be undertaken for process deviations

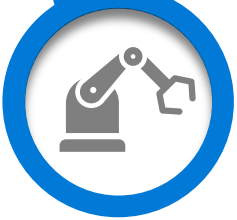
Business Benefits



6-8% reduction in scrap production
12% increase in operational efficiency



Enhanced user experience with support for 11 languages



50% reduction in solution deployment time by leveraging templated solution and automation of solution validation process



About ITC Infotech

ITC Infotech is a leading global technology services and solutions provider, led by Business and Technology Consulting. ITC Infotech provides business-friendly solutions to help clients succeed and be future-ready, by seamlessly bringing together digital expertise, strong industry specific alliances and deep domain expertise. The company provides technology solutions and services to enterprises across industries through a combination of traditional and newer business models, as a long-term sustainable partner.

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