



# CASE STUDY

**Automated Statistical Process Control for  
automotive safety system manufacturer**



## Client

**EU based Client is one of the world's largest suppliers of automotive safety components and systems**

## Challenge

The client was looking to automate the statistical process control system to meet with the consistent manufacturing quality standards, further improving and maintaining the quality across multiple locations. There was no real time capturing of data from factory assets and machines. No integration with other shop floor applications. Not being able to integrate with multiple protocol within the shop floor. Need of improving quality prediction and asset availability.

## Solution highlights

- ❖ Implementation and rollout of enhanced SPC solution across 20+ manufacturing sites in Asia, Europe, and North America
- ❖ Automated Statistical Process Control System and Quality Inspection System used by the operators and quality personnel at a global level across multiple sites
- ❖ Enhanced user experience with application support in 11 languages
- ❖ Custom rule creation, dynamic and continuous shop floor data acquisition from shop floor systems
- ❖ Faster response for corrective measures to be undertaken against quality breaches

## Business Outcomes

Reduced scrap by	Increase operational efficiency by	<b>50%</b>
<b>6-8%</b>	<b>12%</b>	deployment time reduction by implementing automation testing

### About ITC Infotech

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