



Let's Solve

Case Study

Improved Plant Productivity with
Optimized Cost of Quality for Auto
Parts Manufacturer



A Larsen & Toubro
Group Company

Client

The client is an automotive parts manufacturer focused on automotive seats, with global operations.

Challenges

- The client was facing quality-related issues like increasing rejection cost and warranty claim costs.
- It had no avenues to detect product quality issues proactively, and no insights to estimate or extend equipment life.
- There was no way to negate the impact of production downtime.
- It was facing increasing product recalls, which could lead to poor customer experience.

LTI Solution

- LTI analyzed the manufacturer's parts performance data and performed root cause analysis to understand causes of failure and provide counter measures.
- Descriptive analysis and text analytics algorithms helped to identify plant-focused issues and highlight trends or patterns leading to parts failures, and suggested measures for resolution.
- Identified various parameters for improvement in quality for yield.

Business Benefits Delivered

- 15% Rejections predicted for next 6 months
- 20% Improvement in Cost of Quality
- Top 20 reasons for equipment failures identified with text analytics

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