



A Europe-based elevator manufacturing company faced significant challenges in its QA and testing operations, including time-consuming test design. To address these issues, ITC Infotech implemented a comprehensive AI-driven quality engineering solution to achieve efficiency, accuracy, and strategic alignment across the delivery lifecycle.

**Overall test cycle
reduction of 50%**

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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iQStudio Solutions Implementation - AI-Driven QA Modernization for a European Manufacturer



CHALLENGE

- Excessive time spent designing tests reduces capacity for execution and automation
- Rapid sprint cycles leave little room for automation within the sprint itself
- Inability to simulate all production-like scenarios limits test reliability
- Absence of clear leadership-level reports hampers strategic visibility and alignment
- API performance has been taking longer durations due to frequent API changes

SOLUTION

- Implemented AI-based test case generation to accelerate test design
- Built automated test data generation to simulate all production data patterns
- Integrated AI-driven defect prediction and impact analysis for targeted regression
- Enhanced traceability coverage through automated analysis and insights
- Developed leadership-level QA dashboards in Power BI for real-time visibility
- Touchless API performance testing implemented

RESULTS

- 60% reduction in test design efforts
- 50% reduction in test data generation efforts
- Impact analyzer helped to bridge traceability and coverage gaps
- QA dashboard helped to bring real-time visibility
- 50% of the API performance Testing efforts optimized

TECHNOLOGIES

