

CASE STUDY

Leading a Retail Major Through a Successful Quality Engineering Transformation





Executive Summary

InfoVison brought about a complete outcome-driven quality engineering transformation for a global retail major, with a focus on capability building and futureproofing. The transformation was achieved by instilling a quality-centric culture, prioritizing capacity creation and through total ownership of the project. To achieve impactful outcomes, InfoVison utilized key levers such as 'automation first', continuous testing, and higher test coverage.



About the Customer

The customer is a US-based multinational retail major, well renowned for its quick and easy service.



Business Challenge

The client wanted to enhance their product development process by shortening the time-to-market, ensuring peak efficiency, and upholding the most stringent quality standards for their products.

Three asks were prioritized for immediate attention:

- Legacy mainframe-based system to be migrated to on-demand system
- Overhaul of the quality processes of key applications
- Revamp of inefficient frameworks, processes and tools that were neither agile nor scalable



InfoVision's Approach

Our proactive role as a dependable partner involved taking end-to-end ownership of our customer's **Quality Engineering Transformation**. To drive an impactful change, we utilized a global delivery model and a seamless implementation strategy.

The two cornerstones of our approach were:



Solution Components

We utilized the following key principles to bring about Quality Engineering transformation.

Accelerating Efficiency

- Building utilities, tools, and frameworks for incremental growth risks across regulatory, information security, business continuity and operational functions
- Knowledge management repository for quick on-boarding

Leveraging Testing Center of Excellence (TCoE)

- Trained and certified team of testing professionals
- Industry partnerships
- Hi-tech testing lab fostering innovation
- Award winning IP driven QE services



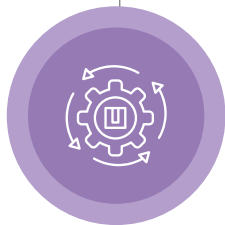
Our Methodology

We utilized the following key principles to bring about Quality Engineering transformation.



Higher Test coverage

- Optimization techniques for better approach
- Unified framework for set point optimization
- One team, one backlog model
- Continuous testing with Living Sanity Suite
- Impact based regression testing for 'test what matters'
- Automated defect logging for faster cycle time



Automation First Approach

- Codeless automation for transformation
- Early inclusion of business users
- Prioritizing testing over script maintenance and setup
- Unified Quality dashboard reporting



Continuous Testing

- Touchless operation via continuous testing
- Standardize process and tech across towers
- Backend validation through API testing
- Early accessibility and performance testing



Significant Impact



2.5X

Increase in Automation
Development Speed



25%

Efficiency
Improvement



2X

Coverage
Improvement



Technical Stack

 Selenium

 REST-assured
TESTING FRAMEWORK

 Cucumber

 **Maven**[™]

 appium

 SoapUI

 Jenkins

 sonarqube

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If you are keen to drive quality engineering transformation write to us at
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