Case Study

Passed the Test with flying colours

Enhancing Testing Efficiency with Managed Services and Automation for a Pharmaceutical Major

Summary

A global leader in pharmaceuticals, medical devices, and consumer products streamlined its testing processes and integrated automation to overcome challenges in performance, security, and regulatory compliance. By implementing a Managed Testing Service across multiple geographies and applications, the company achieved 85% automation coverage across 60 applications and reduced regression testing effort by 75%.

Client Overview

A Fortune 100 American multinational pharmaceutical, medical devices and CPG manufacturer. The company has 250+ subsidiary companies with operations in over 57 countries and products sold in over 175 countries.

Headquarters **New Jersey**	Revenue **$76.45B**
Presence **57 countries**	Employees **130,000+**

Pressure Points

The client faced challenges due to the lack of standardized testing processes, limited automation penetration, and compliance issues, which impacted efficiency and quality.

Absence of standard testing processes and tools	Lack of focus on nonfunctional testing like performance and security	Limited penetration of automation due to a complex validation process
Compliance and regulatory issues caused by poor traceability	Testing performed by separate teams or developers across projects	

Solution Highlights

Sonata delivered a comprehensive Managed Testing Service spanning multiple geographies and applications, with a strong focus on automation, standardization, and DevOps adoption. The engagement included validation and system testing for over 120 applications, performance testing for more than 700 applications, and the development of 300+ reusable scripts for SAP performance testing.

Implementation of SIT and UAT automation	Rollout and support of test and DevOps platforms, including Jenkins, SonarQube, and Kubernetes	Rollout and support of test and DevOps platforms, including Jenkins, SonarQube, and Kubernetes

Results that Speak Volumes

85% automation coverage across 60 applications	**75%** reduction in regression testing efforts	**<0.2% UAT** defect leakage and <0.1% production defect leakage across 105 projects
$2.5M cost avoidance due to automation across 40 applications	**30%** cost savings with reusable scripts for SAP performance testing	