



Let's Solve



A Larsen & Toubro
Group Company




Case Study

**Unified Cognitive Quality Engineering in CI/CD for
multi-country applications for a Leading Risk
Advisory & Consulting Group**

Client

The client is world's leading professional services firm with businesses in insurance brokerage, risk management, reinsurance services, talent management, investment advisory, and management consulting. They are serving clients in over 100 countries worldwide.

Business Needs

- Synergized and cost-effective global quality assurance delivery for catering testing demands across various lines of business
 - Integrate testing to continuous CI/CD pipeline for faster deployments which can enable a continuous workflow solution across policy issuance, rating, endorsement, renewals and reports
 - Optimize hardware, software and existing test automation tool licensing cost and improve in-sprint coverage
 - Build a robust product regression test strategy for frequent version upgrades
 - Ensure data accuracy while accessing data from multiple systems
 - Establish early performance confidence through a centralized non-functional engineering strategy
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LTI Solution

- ✔ Implemented a centralized global test delivery model supporting more than 300 multi-country applications
- ✔ Enabled continuous integration with automated build verification tests and AI-led impact-based testing by integrating LTI's Canvas Insights with 30+ Jira and TFS applications
- ✔ Built hybrid, extendable and reusable BDD framework using Cucumber and created performance testing framework using JMeter to test Rest API
- ✔ Implemented end-to-end product regression testing with a base suite covering different lines of business & multiple geo regions
- ✔ 85% automation coverage across 45 business workflows
- ✔ Enabled early defect detection and prevention in SDLC using LTI Canvas Insights (AI/ML led co-relation and prediction platform)
- ✔ Integrated automated data validation across multiple systems covering 95% business workflows using LTI's data validation framework
- ✔ Optimized data warehouse API testing for integrated systems
- ✔ Setup a performance engineering team in a shared service model for ensuring baselining and standardization of performance
- ✔ Streamlined capacity planning and release management activities within the service centers
- ✔ Ensured extensive cross skilling of associates across applications, which improved the scalability and flexibility of shared services

Business Benefits

~15% reduction in cost of testing with automation, risk-based approach

75% efforts saved due to automated test execution

70% reduction in performance related issues

Reduction in regression efforts

'First-time Right' defect reassignment

LTI (NSE: LTI) is a global technology consulting and digital solutions Company helping more than 400 clients succeed in a converging world. With operations in 31 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 32,000 LTItes enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at <http://www.Lntinfotech.com> or follow us at @LTI Global.

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