



Enhance Quality
Engineering Efficiencies
**At Speed with
AI-Powered TCoE**



AI-Driven TCoE for High-Velocity Innovation at Scale

As continuously evolving customer expectations and accelerated business evolution become the norm in the digital BFSI space, high-velocity innovation, seamless user experiences, and cost efficiency emerge as the key success differentiators.

However, achieving these goals requires a robust quality engineering (QE) framework for handling the growing complexities of the ever-expanding IT. Dependencies on siloed and ad-hoc testing can impede your journey towards achieving agile user-centric innovation, driving up costs and resulting in deteriorating software quality.

Unlock Accelerated Innovation & End-User Experiences with QKTech's AI-Powered TCoE

QKTech's Testing Center of Excellence (TCoE) provides an organization-tailored pathway to transition from ad-hoc to AI-led testing to stay ahead of the fast-evolving innovation, business, and compliance dynamics of the BFSI landscape. It does so by building on the following quality engineering principles:

 **Shift-Left QE**
Our customized TCoE solutions are designed to shift quality engineering to the left, enabling businesses to detect defects in the early stages of the DevOps lifecycle to eliminate cost and development inefficiencies and accelerate time to market.

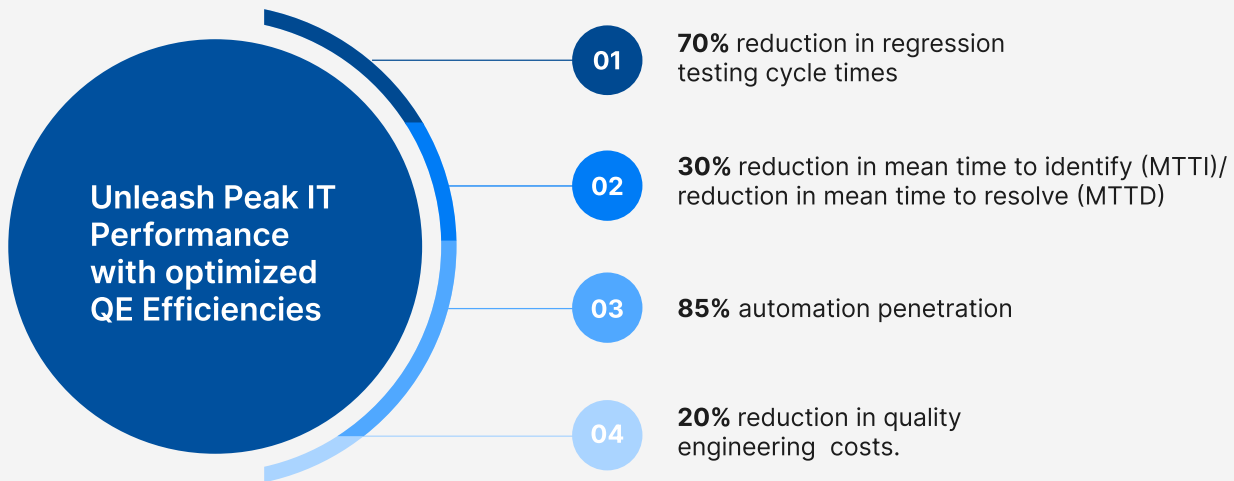
 **Centralized and Standardized Testing**
QKTech's Testing Center of Excellence centralizes and standardizes organization-wide testing, facilitating the creation of a knowledge repository for continuously documenting and archiving quality engineering assets and processes for enterprise-wide projects.

The centralized repository facilitates integrating leading industry practices into enterprise-wide quality engineering, boosting productivity, eliminating effort duplication, and enhancing productivity through effective collaboration.

 **AI-first Approach**
The TCoE solution combines performance, DevOps, and user experience engineering data with AI-led algorithms to continuously integrate specialized AI use cases for quality assurance across the evolving software development lifecycle. This results in proactive and predictive detection and resolution, improved software quality, and reduced time-to-market.

 **Real-Time Reporting & Governance**
With data-driven dashboards & visualization, the TCoE solution provides end-to-end transparency into the quality engineering value chain for all stakeholders, enabling comprehensive and transparent reporting.

 **Service Virtualization**
The TCoE virtualizes services to eliminate environment dependencies for integration testing, effectively simulating production-like behavior for accurate and efficient performance testing.



Technology Partners

QKTech's TCoE solutions are strongly complemented by its global technology partners



Take the Lead in the Innovation Race with the QK Advantage

AI-Led Optimization Across the QE Lifecycle

Combining historical and current quality engineering data with proprietary predictive, preventive, and generative machine learning algorithms, we deploy AI across the quality assurance lifecycle for:



Test Designing

Leveraging the synergy of existing code analysis, user behavior, and past test results, the TCoE accelerates and automates proactive test cases and data generation, extending quality engineering coverage to edge cases.



Test Execution

Analyzing historical data and results for patterns and trends, the AI-led TCoE automates the prioritization and execution of test cases. In addition, the testing center harnesses AI to continuously identify optimization opportunities, enhancing cost efficiencies at speed and scale.



QE Insights

Incorporating generative AI algorithms over organization-wide quality engineering data, the TCoE brings a simplified view of the quality assurance process to enable effective cross-team collaboration for driving user-centric innovation and IT optimization.



Unmatched Domain Expertise

As a global leader in quality engineering with a track record of helping leading banks & insurance companies, our solutions come integrated with industry-specific domain repositories to accelerate the TCoE setup, simplify compliance management, reduce maintenance costs, and achieve a faster time to market.



Proprietary Processes

Powered by our proprietary process playbook, the TCoE solution integrates industry-leading and proprietary best practices to boost quality engineering productivity, proactivity, and efficiency.

A Leading Asian Insurance Company Leveraged AI-led TCoE to Optimize its Operations

A leading Asian insurer embarked on a transformative journey to modernize its insurance operations, leveraging cutting-edge technology and automation. By implementing an AI-led Testing Center of Excellence (TCOE), the company enhanced quality assurance, accelerated time-to-market, and optimized costs. This transformation streamlined processes, improved customer experience, and ensured seamless digital adoption, reinforcing insurer's leadership in the insurance industry. QK enabled this by delivering:



50+
digital modernization projects



20%
reduction in QE costs



30%
faster new product launch



<1%
critical production defects



150,000
tests centralized



85%
automation penetration



100%
in-sprint automation



50%
reduction in regression testing cycle times Initiative.

About QKTech

QKTech, formerly QualityKiosk Technologies, helps businesses win in the AI era by engineering reliability. Backed by experience in delivering reliable software, products, and platforms for leading global enterprises, QKTech combines deep domain knowledge with strong technology skills to help customers deliver great experiences to their own customers in an AI-first world.

Founded in 2000, QKTech offers reliability, cloud, AI, and product engineering services that help organizations build and adopt AI effectively, spanning product development, quality and reliability engineering, digital assurance, CloudOps and automation. At the core of this is the AI Reliability OS, an integrated portfolio of services covering AI for Reliability, Reliability of AI, Shift Right testing, Reliability of Frontier Systems, and Agentic Engineering. It brings together context engineering, harness engineering, loop engineering, observability, and platform-based delivery.

Operating in more than 25 countries with offices in Princeton and San Jose in the US, as well as Dubai, Singapore, Manila, Hong Kong and Jakarta, QKTech helps leading brands in banking, capital markets, insurance, automotive & manufacturing, technology & digital natives, telecom, airlines, consumer goods, and healthcare to transform their digital capabilities. The company is headquartered in Mumbai, India, with engineering centers across Bengaluru, Hyderabad and Pune.

The company's expertise and achievements have garnered recognition from esteemed global analyst firms such as Gartner, Forrester, and The Everest Group for innovative, IP-led solutions and the significant value of those solutions delivered to clients. QKTech has partnered with the most innovative and disruptive technology companies to force multiply outcomes that can be delivered to the customers.

For more information, visit www.qktech.com