

# QA Consultants

## Overview

QA Consultants, an ALTEN company headquartered in Toronto, Canada, offers software quality assurance solutions for enterprise customers, including consulting and advisory, performance testing, security and compliance testing, and mobile and cross-platform testing. For almost 30 years, the firm has delivered over 12,000 mission-critical projects for the manufacturing, retail, e-commerce and banking industries.

### Key Provider Capabilities

QA Consultants is a specialized firm that provides expert guidance and services to firms to assess and improve software quality assurance. The company offers a wide range of services across testing and specializes in multiple industries. Its recent acquisition by ALTEN has enabled the firm to expand its capabilities across automotive, life sciences, aerospace and defense industries in the U.S. and globally. Its key capabilities include:

#### Advisory and consulting expertise:

A consultative approach is at the core of QA Consultants' strategy for quality engineering (QE) transformation. This begins with identifying key areas of deficiency in quality management and engineering, focusing on four critical aspects: culture, operations, engineering practices and risk management.

The firm tailors its solutions to meet each client's specific needs utilizing a QE maturity framework. QA Consultants provides comprehensive recommendations at both tactical and strategic levels, addressing business challenges with precision and driving meaningful results.

**End-to-end engineering:** QA Consultants has expanded its portfolio along with ALTEN's capabilities and is aiming to offer end-to-end QA and engineering services coupled with ALTEN's global capabilities. By leveraging global expertise, the firm can offer services to its clients at a better price, thereby expanding additional services to existing clientele and end-to-end services to new clientele.

**Innovation and R&D:** QA Consultants prioritizes innovation and R&D, operating a software testing lab at the automotive CoE in Oshawa, Canada. The firm has established a CoE in Dallas for IoT and embedded software test automation, serving key clients. The Toronto facility is an innovation hub for emerging technologies, fostering AI research, government-funded projects and test automation solutions.

### Benefits Delivered

QA Consultants offers various benefits to its clients across industries, including:

- **Cost savings via automation**
- **Optimized UX**
- **40 percent reduction in regression testing efforts**
- **60 percent boost in testing process efficiency**
- **Enhanced security measures**
- **Faster time to market**
- **Better quality testing feedback mechanisms**
- **Increased confidence in each product release**

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## Sweet Spot

**Expertise in the aerospace and automotive industry:** QA Consultants offers specialized quality assurance services for the automotive and aerospace industries, addressing distinct needs. In the automotive industry, the firm provides functional safety testing, cybersecurity assessments and validation of autonomous vehicle systems. In the aerospace industry, QA Consultants ensures compliance with industry standards, conducts rigorous environmental testing and tests avionics and human-machine interfaces. The company's expertise and specialized tools ensure that products meet stringent industry standards, enhancing safety, reliability and performance.

## Robust solutions and accelerators:

QA Consultants has strong tools and accelerators. QMTi is a comprehensive quality management platform that streamlines and optimizes quality assurance processes. It offers features and capabilities designed to enhance efficiency, improve collaboration and ensure high-quality products and services. ESIT and xCog are proprietary platforms designed to test automotive software and hardware integration and accelerate automated testing for cognitive and autonomous software. xCog is an automated testing solution tailored for cognitive, AI and non-deterministic systems. It facilitates the modeling of these complex systems and generates highly intricate automated test solutions that can be executed in high-speed, parallel environments.

## Skilled expertise:

QA Consultants' resources are continuously upskilled with certifications in emerging technologies to enhance application quality assurance processes. These advanced skills empower resources to integrate intelligent automation, predictive analytics and cloud-based testing frameworks, ensuring more efficient, accurate and scalable QA practices. Using these, the firm can effectively address complex testing challenges, improve software quality, accelerate delivery timelines and provide better value to clients.

## Future roadmap

With ALTEN's integration, QA Consultants can expand its market reach and tap into ALTEN's extensive resources, including talent, technology and infrastructure. This enables the firm to scale operations and enhance service delivery. ALTEN's global presence allows QA Consultants to enter international markets while benefiting from ALTEN's network of clients, partners and suppliers. This indicates that QA Consultants can efficiently serve US-headquartered clients with global operations. The acquisition also boosts QA Consultants' brand recognition and credibility. The exchange of expertise between both companies will drive continuous innovation and improvement, positioning QA Consultants for long-term success.