

# Engineering













When undertaking major digital projects, it's critical to know your system can take whatever is thrown at it. This means focusing on attributes beyond its mere functionality to its abilities and how they contribute to its overall quality.

With more demand for quality in areas like performance, automation, load, system, usability and interoperability, QA expertise has expanded beyond functional testing alone.

Qual IT's Engineering practice provides technical services to support faster delivery to market, at lower cost.

## Stay in front of the competition

With our independent, tool-agnostic engineering services you'll become more agile and nimble, achieving better competitiveness in the NZ marketplace.

Project outcomes are maximised, faster and with an overall reduction in costs. This benefits any organisation, including government agencies, who will be able to respond to change faster, drive better sector engagement or meet cross-sector deliverables.

With Qual IT test engineering services you'll:

- Reduce time to market
- Reduce costs of manual testing
- Reduce the costs of supporting diverse and changing customer digital platforms
- Decrease costs of responding to increased frequency of "... as a Service" offerings
- Decrease wasteful business processes caused by inefficient technology/applications
- Decrease reliance on subject matter experts and key personnel

### Technical expertise, expert skills

With the right people and capability at the right time, we deliver cost-effective technical quality-assurance services that are tailored for your organisation.

### Strategy and planning

We begin each project by connecting with stakeholders to discuss the project requirements and scope, and to



Certainty of quality outcomes

gain a clear understanding of the technology in question. This means we understand the skills you require for your solution development, infrastructure and network. This supports better, more sustainable solution development and also sets the right expectations for a valued-based outcome.

### A proven delivery tack record

Our team delivers services in a pragmatic and flexible way. We position highly qualified technical engineers with the right skills sets and industry knowledge in your team who will collaborate to deliver a quality, business-based solution that's specific to your requirements, cost-effective, repeatable, and reusable.

### Manual testing versus test automation

Compared to manual testing, test automation is the best way to increase your test coverage. It saves time and money when testing needs to be repeated and its effectiveness, and efficiency improves testing accuracy and increases the scope of testing that can be performed.

### Engagement and delivery of test automation



We work to deliver solutions, while balancing outcomes against delivery constraints through clear communication and an understanding of delivery controls and restrictions.

## What to expect from our engineers

Our diverse team is backed by expert knowledge management, and a proven track record of collaboration and successful outcomes. The earlier they can be involved, the more impact they can have on your next IT project.

From infrastructure to application, our highly-qualified technical specialists use their skill sets and industry knowledge to deliver:

- Test automation:
  - strategy, advice and consultany
  - tool evaluation and recommendation
- Technical integration of test automation with software devevelopment lifecycle processes
  - build pipelines
  - green-fields implementation of test automation solutions – regression, API, mobile and middleware
- Infrastructure testing:
  - test management, facilitation and coordination - OS upgrade, disaster recovery, cloud migration
- Performance testing:
  - performance test consultancy, planning, and reporting
  - test development, execution and reporting at all levels of systems – applications, web services and database



## Why choose Qual IT?

Qual IT's engineering services are outcome-focused and driven by experience.

We know IT projects can cost both money and time, so we focus on efficient, practical strategies throughout. We can be there from the beginning, from initial IT strategy and scoping, through to delivery, maintenance, and ongoing support.

Our engineering team is qualified, capable, and experienced. We have worked with some of New Zealand's leading companies on a wide range of successful IT projects and programmes, large and small. We work as trusted, pragmatic advisors, providing expertise at every stage to help guide your project to success.

For increased speed to market and reduced costs that won't impact project outcomes, talk to Qual IT technical engineering experts.

### Talk to us today

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