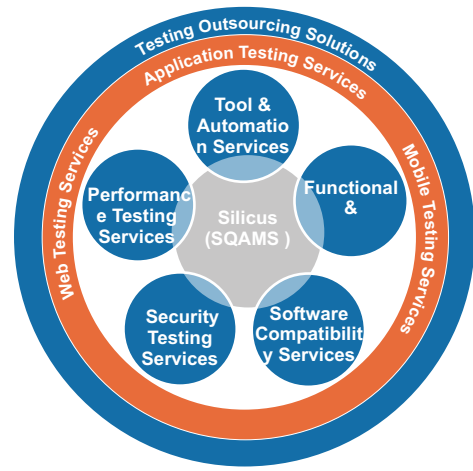


**Software Testing and Software Quality Assurance services for Independent Software Vendors (ISV's) and Web based companies**



Silicus software quality testing services help clients release high quality, stable and secure applications on time and within budget

**Testing Outsourcing Solutions**

- Project outsourcing – We act as an independent software testing team for a software development project, or help you meet specific testing requirements.
- Offshore Staffing – We help you address short term software testing resource requirements by having a team of offshore software testers working for you
- Offshore Testing Centers – We help you establish a dedicated SQA Testing team to address your long term software quality engineering and software product testing requirements.
- Virtual Captive Testing Centers – We help you establish a Virtual captive Testing Center with transparency in costs.

**Silicus Software Quality Assurance Management System**

Silicus' Quality Assurance Framework (SQAMS) is based on CMMi standards from the Software Engineering Institute. The system is the outcome of years of experience, improvements and corrections in the software development quality assurance processes that Silicus QA and test engineers employ. At its core, SQAMS follows the following basic principles:

- Review requirements. Software specifications, Project plan, application and database architecture
- Draft test plan, test cases and scenarios
- Conduct testing activities such as functional, regression, performance, configuration and installation testing
- Conduct software verification testing and software validation testing
- Conduct usability and GUI testing
- Test results reporting

**Our Offerings**

- Web Testing
- Application Testing
- Mobile Testing

**Our QA and Testing Expertise**

- Functional and UI Testing Services
  - End to end testing
  - System integration testing
  - User acceptance testing
  - Automated functional testing
- Tool and automation services
  - Automated regression testing
  - Automation scripting
  - Framework development
- Performance Testing
  - Load testing
  - Stress testing
  - Spike testing
  - Endurance testing
  - Scalability testing
- Security Testing
  - Web application penetration testing
  - Security code reviews
  - Risk based application testing
  - Compliance testing
- Software Compatibility and Certification Testing
  - Browsers, Operating systems and environment testing
  - Server and related hardware testing
  - Localization testing
  - Platform certifications – Microsoft, Sun, HP, IBM, Red Hat, Novell

## Tools Usage Experience

Successfully testing your software in today's world involves having access and knowledge on a variety of software testing quality assurance tools that can quickly help you pin point problem areas in software applications. These tools eliminate the human induced error component of a manual software qa tester. Also, there is software that allows you to stream line the entire software quality assurance test function and efficiently manage and resolves issues that come up. However, prior knowledge and experience in configuring and using such tools is required.

Silicus software QA testing engineers have experience in using various tools across customer engagements. The following is a sample of tools we have used in software development testing engagements.

### Capabilities

### Tools

Unit Testing	Junit, Nunit, Jpython
Functional Testing	QTP, HP WinRunner, SilkTest, Rational Robot, Selenium
Performance Testing	HP LoadRunner, SilkPerformer, WebLoad, Jmeter
UI Automation Library	Selenium
Scalability and Reliability Testing	HP LoadRunner, Quantify, JProbe, Purify, Visual Studio Team, System Profiler
Code Scanning	FxCop, PREfast
Code Coverage	Clover, EMMA
API Test Automation	Nunit, Junit
Test Management	HP Test Director / HP Quality Center, Test Link, SilkCentral Test Manager, Rational TestManager, QATraq
Issue / Bug Tracking System	Rational ClearQuest, SilicusTrackIT, Microsoft Team Foundation Server, Pergrine ServiceCenter, Bugzilla, JIRA, Trac, OnTime
Build Automation	ANT, N-ANT, Cruise Control, TFS Build
Microsoft Development Environment	Visual Studio Team System, Microsoft Test Central

To read more about how we can help you reliably realize offshore benefits or know more about our services, expertise, processes and case studies please visit us on the web at [www.silicus.com](http://www.silicus.com).