

Test Automation for a Steel Fabrication Software



Client Overview

- Steel Fabrication Software provider; application provides operational details of fabrication process at all stages of production and shipments



Business Requirements

- Conduct end to end functional and automation of the Desktop and Web Applications
- Understand software workflow, fabrication structures
- Automate Tests for Regression execution; Conduct Regression maintenance
- Conduct installation testing for 300+ test bed environments



Our Solutions

- Implemented a Pilot to address the QA Process challenges and Automation Capabilities
- Streamlined QA Process to prepare comprehensive Test Plan, Test Cases (which were created on an ad-hoc basis by client)
- Conducted Gap analysis, Product knowledge
- Test Tool recommendations : Test Complete
- Conducted Manual Testing, Compatibility, Automation, Regression, Smoke and Installation Compatibility Testing
- Customized framework for Automation regression suite execution
- Web browsers Compatibility testing support ((Chrome 43.0, 53.0,IE 10.0/IE 11.0,FF 39.0.3,Safari 7.0,Opera 31.0, Edge)



Tools

- **Test Management Tool:** QA Complete
- Automation Tool:** Test Complete

Engagement

- **Team Size:** 5
- Duration:** 5+ Years



Business Impact

- 100% Test Coverage
- 95% of Test Cases automated for Regression
- Release cycle efforts were reduced from 10days to 3 days
- Introduced standard Test Processes, Test Templates, Reports and Checklist
- Reduced scripting time



Our Approach

- **Development Framework** – .NET;
Development Language - VB;
- **Database** – SQL Server (2008);
- **Scripting Language** – VB script



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