



## CASE STUDY

Visit us at [magenic.com](http://magenic.com) or call us at **877.277.1044** to learn more or to engage Magenic today.

# AUTOMATING QA TESTING AFTER MULTIPLE FAILED ATTEMPTS

Increasing coverage and volume of software tested for a fleet management solutions provider



## Challenge

A fleet management solutions provider had attempted testing automation efforts in the past with nothing to show for it. For that reason the client had reservations about trying again but knew the benefits that automation could bring if done correctly.

The client had two particular pieces of the application that were perfect for automation: a new set of web services that would be available to customers, and report generation that was mission critical to their business.

Realizing the impact that testing automation could make on their entire business, the client engaged Magenic.

## Solution

Magenic created a tool that would allow testers to cover a substantial portion of the web services through automation. Then Magenic created the automated report testing tool to be used by manual testers in order to monitor and verify the large amount of reports that needed to be generated for testing. Without the automated report tool, side-by-side comparisons and tracking results over time would have been very difficult for manual testers.

Due to the success of the first two automation initiatives by Magenic, the client decided to start adding UI automation. UI automation was built out with business needs and risk in mind, starting with basic smoke level tests first and extended coverage to workflow testing.

## Results

### Web Services

- ~95% of test coverage automated
- Full regression testing every release
- Went from 300 manual tests to 30,000 automated tests

### Reports Testing Tool

- ~70% of manual effort automated
- ~98% of test coverage automated
- Testing in multiple environments
- Side by side results comparison
- Tracking results over time

### UI Automation

- ~25% test coverage automated
- ~75% smoke test coverage automated
- 1/8 of Regression tests run daily
- Smoke tests run daily with cross Browser/OS combinations
- Cross Browser/OS, Performance, Load, and Stress testing\*

\* Not feasible without automation tool

**Magenic**® | Business Transformation  
Fueled by Technology

This case study is for informational purposes only. Magenic Technologies, Inc., makes no warranties, express or implied, in this summary. Other product and company names mentioned herein might be the trademarks of their respective owners. © 2015 Magenic Technologies Inc. All rights reserved.