



CLIENT SUCCESS: **QA TESTING**

Quality testing and Assurance

Industry: Logistics Major **Annual Revenue:** Over 3 Billion **Location:** Scottsdale, AZ **Project duration:** 12 Months

› **Overview of IntraEdge**

IntraEdge is a focused and experienced IT consulting partner for industry leaders. Our core competencies include e-Business solutions, enterprise applications, business intelligence, application development, Quality services, system integration and mobility computing. IntraEdge consultants have in-depth knowledge and experience on Quality testing and assurance.

› **Client Summary**

Our client has built the world's premier global delivery network by trailblazing express shipping in one country after another. Over 220 countries and territories later, our Client is the global market leader of the international express and logistics industry. Client specializes in providing customers with innovative and customized transportation solutions. Our client delivers shipping to all entities such as individuals, businesses, distribution networks and superstores.annually.

Situation and Challenges

The client acquired new companies and started integrating the applications. They were performing manual testing on all of their internal applications due to a lack of desire to use an off the-shelf automation tool. There was no industry-standard test plans and lack of expertise on doing automated testing. Their long term desire was to eventually create a homegrown automation testing tool using Java and scripting languages. Client initially decided to utilize contract resources to manually test the internal applications, with the foresight that they were going to eventually automate the tests in 15 months. They wanted to automate the testing for speed, reliability and re-use standardized the test plans. This was aimed towards reducing the resources in QA group.

IntraEdge Approach and Results

IntraEdge presented the methodologies and best practices used for testing the applications to the client. IntraEdge dedicated team to review and gain an understanding of the client's environment, specific skill sets and standards required, and to provide the highest level of customer support. The benefits accrued by client under this arrangement were

- Getting access to highly evolved Software Testing Processes & Low cost –effective skilled manpower to augment in-house QA efforts
- Getting access to reusable test components and test data to reduce test development costs & time.
- Go-live production support

Client contracted IntraEdge to effectively engage QA resources with domain expertise and automation tools expertise. We developed an internal SLA(service level agreement) with customer's input to deliver the services and exceeded all scorecard expectations based on the quality of personnel provided, speed of execution and knowledge.

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Test Strategy set-up	Test Planning	Test Management
Types of Testing		
Functional Testing Testing of functional requirements, GUI requirements and data handling in a product through validation of inputs, actions & outputs		
Unit Testing	Testing of single program or module to validate that it performs as designed	
Integration Testing	Testing of an integrated product to ensure individual components and/or media elements are working properly in perfect co-relation with each other	
Compliance Testing	Testing of products to ensure compliance to pre-defined standards.	
Regression Testing	performed to ensure that unchanged portions of the system are not affected by system changes or new development. Manual Regression testing as well as Automated Regression testing can be done to validate system still meets its specified requirements	
Usability Testing	Software is tested to emulate likely market acceptance, or highlight difficulties that could be encountered by the target audience	
Performance Testing Testing performed to measure and evaluate response times, transaction rates, and other time-sensitive requirements		
Stress/Load Testing	Load/Stress testing is performed to determine whether the system can function when subjected to volumes larger than would be usually expected	
Configuration/Compatibility Testing	The goal of the test is to validate the h/w & s/w configurations recommended in real life scenario and whether requirements specified have been achieved	

