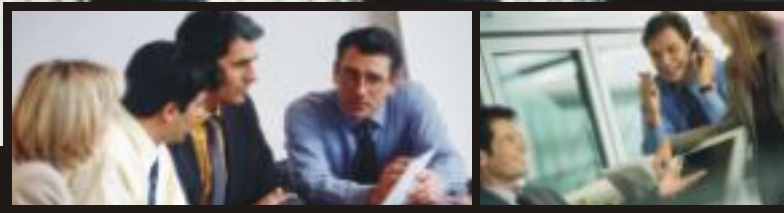


CARITOR™

Vision ➤ Value



ENHANCING QUALITY. MANAGING COSTS.
TESTING & VALIDATION





Overview

Even as software grows in complexity, shortening product life cycles are making time-to-market an increasingly important competitive differentiator. In this era of globalization, where competition is just a click away, software should not only meet the functional requirements, but also be fast, reliable and scalable. Quality has taken a new meaning with business users demanding custom applications with quality comparable to that of commercial off the shelf products.

In such a scenario, CIOs increasingly have to grapple with issues ranging from aggressive release schedules to ballooning testing costs and the paucity of specialized testing skill sets. On the one hand, while the complexity of testing itself has increased, time-to-market and cost drivers are making it imperative for organizations to leverage specialized skill sets and advanced tools to exploit opportunities to reduce time taken during the testing phase. A growing number of CIOs are entering into technology partnerships with vendors with a proven global delivery model to leverage best-in-class processes and specialized skill sets for their Testing & Validation initiatives to address cost and time-to-market challenges in their IT initiatives and get more out of existing testing budgets.

Caritor's Testing & Validation Practice

Caritor has an independent Testing & Validation practice working with the sole intent of enabling firms to realize the benefits of delivering robust software products and applications through cost effective and efficient testing & validation services delivered through a proven and flexible global delivery (onsite/offshore) model.

Caritor draws upon a pool of experienced testing professionals to offer end-to-end testing & validation services leveraging industry best practices and expertise in leading testing tools at a significant cost advantage.

Caritor brings strong track record in executing Testing & Validation projects in core functional areas in verticals such as Telecom, Financial Services, Insurance, Manufacturing, Travel & Transportation, Retail, and Public Sector.

Caritor has extensive experience in offering end-to-end testing services across GUI, batch, and legacy applications and products. Caritor has experienced resources who have implemented testing solutions using industry leading testing tools like Mercury Test Director, Rational Test Manager, Quick Test Pro, Win Runner, Rational Robot, QARun, Load Runner and OpenSTA.

Caritor has a dedicated Test Lab for performance testing. The lab has Rational Performance Studio with total 600 Virtual Users licenses. The lab has multi CPU Sun and Intel servers for running Applications, Database and Web servers and a separate server for Rational Robot. All these servers are on a separate network segment to give dedicated 100 Mbps connection.

"Orange's Testing engagements with Caritor have enabled us to effectively address the demand for delivering reliable and robust software applications. Caritor's ability to provide end-to-end testing and validation services, utilizing their cost effective and flexible resourcing structure has enabled us to reduce time-to-market for new applications and to enhance the cost effectiveness of our IT initiatives, while enhancing the focus of our internal IT team towards core business initiatives."

Colin Cunningham
Head of Testing and Resourcing
Orange PCS

Offerings

Caritor's Testing & Validation practice offers a wide range of services aimed at addressing all verification and validation needs of clients. These include:

Verification

This involves verification of the software application or product and intermediate artifacts against all selected requirements. Verification as a process occurs at all stages of the development lifecycle, starting with the verification of requirements and ending with verification of the application or product.

Functionality Testing

Functionality testing validates whether an application conforms to its specifications and correctly performs all its required functions. During functionality testing, a range of inputs as test data is created and tests are performed to validate whether each feature conforms to the requirements.

Automated Regression Testing

Regression testing is the re-execution of a set of tests that have already been conducted to ensure that changes have not propagated unintended side effects. Automation is often used to reduce the time and resources to perform this type of testing. We use state-of-the-art tools to perform automated testing.

Performance Testing

Performance testing evaluates the system's ability to meet the required performance levels in production environment. Scalability of the application is evaluated in addition to investigating how does the performance of the application vary by load and usage. The limits of web-based applications are tested in Stress Testing.

User Acceptance Testing

This is about determining whether the software is satisfactory to an end-user or client by testing the system against the requirements and validating that the system has delivered what was initially requested.

Product Qualification Testing

Product qualification testing validates whether the application looks and functions in the same way across all platforms, browsers, processors and configurations. We also test whether installation of the product is properly done.

Localization/Globalization Testing

In this type of testing, software is tested for different locale and international settings so that the application/product functions in a consistent way in different geographical locations.

Usability Testing

Usability testing evaluates the application on user friendliness. In addition, we also test whether all the links in the application are functioning; whether the response times adhere to specifications and how well the information is organized in the user interface.

3rd Party Validation

This involves an independent objective validation of an application or product developed by another vendor or the client's in-house team. Validation seeks to demonstrate that an application or product satisfactorily fulfils its intended use in its intended operating environment.

Assured Value

Clients leverage Caritor's Testing & Validation services to derive several benefits that include:

- A flexible onsite/offshore delivery model tailored to meet client's unique requirement and optimize cost benefits
- Shorter test cycles and reduced time-to-market by implementing automated testing solutions
- Effectively manage complexity of testing by leveraging proven testing methodologies and specialist skill sets
- Enhanced quality of software applications, that reduces downtime and lifetime maintenance costs
- A flexible staffing model that, enables rapid ramp-up/ramp-down of resources



To learn more about how Caritor can help evolve your Vision into Value through a trusted partnership, please contact us at:

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