



# TESTING AND QUALITY ASSURANCE SERVICES

The enterprise level Testing and Quality Assurance Services introduced by iNNOVA is a strong weapon against system failures resulting from software and thus an enabler for customer retention and service continuity.

iNNOVA-provided Testing and Quality Assurance Services transforms the structure of the enterprise from reactive to proactive in terms of failures, eliminates repetition of tasks to allow in-time delivery of the projects and prevents unnecessary cost resulting from erroneous infrastructure investments.

# Enterprises now have a better choice for managing their test requirements

In the current business environment, enterprises and institutions can perform better and reach their objectives if only they have the ability to realize the transformation between existing and new applications in a reliable and flexible manner. The opposite statement that those who do not achieve this will face problems being as valid, puts a bigger obligation on enterprises and institutions to care more for their applications.

Software related application failures, the majority of which result from the misunderstandings between the developers and the users emerging at the early stages of software development lifecycle may lead to major commercial risks. iNNOVA Testing and Quality Assurance Services, through a proactive approach in error-detection, improvement of quality, minimization of project risks and reduction in costs, offers a major tool for increasing efficiency and profitability.

The enterprise level test service provided by iNNOVA, enhances the quality, performance, security and reliability of the systems while preventing the critical system failures. With an ever-expanding range of services, iNNOVA's objective concerning the quality management and managed test services for the new term is eliminating the software waste left over from the engineering phase and reducing the software related system failure risk which may have a negative effect on the operation of the enterprise.

## First Turkish company in HP's Test Factory

Being the first company to join HP's Test Factory program from Turkey, iNNOVA provides end to end testing services which cover verification of requirements; functional testing; functional modeling; performance test; performance modeling; application security assurance and test automation. The test team comprising of iNNOVA's experienced consultants and advanced software tools allow a fast, systemic and reliable execution of performance, security and functionality tests.

As part of HP's managed services provider program in Turkey and serving as a Test provider, iNNOVA provides a faster, more systematic and reliable testing of the enterprise software's performance, security and functionality by using HP testing tools. The scope of the managed testing services offered by iNNOVA as an HP business partner cover destroying the waste of engineering processes and software errors, increasing total quality of the system and minimizing the risk of outages due to application failures.

The software tools provided under HP Application Security Center for web application security testing; for website security testing and improving efficiency and getting the next generation in web application security testing for complex web applications as well as the tools for performance and quality form a portfolio not

only fulfilling the current requirements of also forming a basis or future needs.

Adding to all these, quality and strategy workshops; quality and process reviews; and life cycle process as the quality assurance services build a complete portfolio for the enterprise to address the serious requirement of minimizing business risks through ensuring more effective communication between users and IT unit; avoiding errors that may occur due to ambiguous or incomplete requirements; reducing the risk of repetition through early detection of errors; reducing the risk of critical system outages and improving software quality; and improving application quality and return on investment.

## Improving the business using IT more effectively

The relation between business in IT is stronger than accepted in many enterprises. What can be achieved with HP's Business Process Testing Software provides a clear picture on the strength of this relationship.

HP Business Process Testing is a web-based software test design solution that bridges the quality chasm between subject matter experts and quality engineers. Although this is a simple definition the software refers to a very complicated dilemma within the enterprise where miscommunication and differing priorities between the business analysts and quality engineers can result in time-consuming test rework.

HP's role-based keyword driven testing system enables subject matter experts to build, data-drive and execute manual and automated tests without any programming knowledge. Yet the benefit of this process in reducing the overhead required to test maintenance and combining test automation and documentation into a single effort is a clearly observed financial effect on business.

Another aspect is online transformation of the com-

pany, where the HP WebInspect helps sustaining in a changing virtual world. Traditional application scanners may perform well when discovering vulnerabilities in mature web technologies, but they often lack the intelligence required to scan newer Web 2.0 technologies.

HP WebInspect performs web application security testing and assessment for today's complex web applications, built on emerging Web 2.0 technologies. HP WebInspect delivers fast scanning capabilities, broad security assessment coverage and accurate web application security scanning results.

HP WebInspect identifies security vulnerabilities that are undetectable by traditional scanners. With innovative assessment technology, such as simultaneous crawl and audit (SCA) and concurrent application scanning, you get fast and accurate automated web application security testing and web services security testing. This not only refers to financial benefits but also a more crucial aspect: business continuity or sustainability.

The richness of these tools and the strength of the end to end services portfolio of iNNOVA is supported also by the multi platform services portfolio.

## With Test Services no place for errors

Under the application-specific testing services, SAP, Oracle, Siebel, Service-oriented architecture (SOA) and web applications are covered producing a satisfactory portfolio to serve enterprise with diversified software infrastructure.

Emphasizing this application specific provision of the service covering SAP, Oracle, Siebel, SOA and web applications iNNOVA Technology Solutions Director Mehmethan Sisik says "With this service we provide, we enhance the quality, performance, security and reliability of the systems of the enterprises and reduce the system risks that may result from software errors."

To achieve this, the companies have to define a step by step quality maturity roadmap comprising the following phases:

- Setting up the quality strategy to optimize engineering process and to eliminate waste regarding software.
- Making a clear evaluation concerning possible effects of the changes on business
- Supporting better communication for a clear understanding of requirements between users and the IT unit
- Avoiding duplication of work by eliminating errors at the

beginning of the development life cycle of the systems

- Optimizing the test activities with regard to the commercial priorities
- Automating test cases for efficiency
- Test automation

Finally at the end of this process, iNNOVA's in depth experience in testing and quality assurance systems will be providing the enterprise with the following

system benefits where;

- Instead of a reactive process, a proactive system where errors are avoided is built
- Code requirements are tested before the code itself
- Performance of the system is verified before production expires
- Security of applications is ensured
- Only right infrastructure investments are made to avoid unnecessary costs
- Repetitive work is reduced to provide timely delivery of projects
- Software errors are prevented eliminating their negative effect on business.

### AT A GLANCE

iNNOVA has a strong services portfolio in testing which provides both an end to end solution and is application specific

### END-TO-END TESTING SERVICES

- Verification of Requirements
- Functional testing
- Functional modeling
- Performance test
- Performance modeling
- Application security assurance
- Test automation

### APPLICATION-SPECIFIC TESTING SERVICES

- SAP
- Oracle
- Siebel
- Service-oriented architecture
- Web applications



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# FUTURE READY SOLUTIONS

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Innova IT Solutions Inc. is the leading IT solutions company of Turkey with its professional staff of more than 600 people and knowledge bases in different technologies. Presenting independent platform solutions to companies in all industries, including the telecommunications, finance, production, community and service industries, since 1999, Innova has exported its solutions to more than 20 countries with its ISO 9001:2000 certificate. Telecommunications industry software, ERP, CRM, BI applications, portals, software tailored for customer, IT management systems, security solutions and kiosk systems are among the activity subjects of Innova. After joining Türk Telekom Group of Companies in 2007, Innova IT Solutions Inc. continues to conduct its activities through its support offices in Izmir, Antalya, Adana and Erzurum, as well as its main offices in Istanbul, Ankara and Dubai

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