

# Independent Validation and Verification (IV&V)

Every day, PSI helps organizations meet business demands, using **our domain-led capabilities** to provide powerful software assurance and optimization solutions

## PSI INSIGHT

Today the need for software quality has assumed a critical position in the IT organization's key result areas. Quality is expected to contribute to the top-line, by accelerating software to readiness in shorter timeframes, as well as to the bottom-line by reducing the need for post-implementation bug fixes and reworks.

Quality Assurance now functions right in the middle of the process of bringing about the crucial alignment between business goals and technology objectives. Therefore it is a direct influence in ensuring the quality of both the business process and the technology solution.

Thus the way application quality is managed in an organization is a key determinant of its ability to reduce overheads, slash development cycle times and ensure that its business goals are met by its technology approach - to get it right first time, every time.

Testing has undergone many changes over the years. Today availability, accessibility and security are as important as more traditional issues such as ease of use and application performance. Testing becomes critical in the software development life cycle, as it adds direct value to business. To do it right, IS departments and software companies contend with:

- Need for specialized skills in testing
- Investments in testing infrastructure
- Increasing testing complexity
- Shrinking budgets
- Scalability of resources

## DOMAIN-LED TESTING SERVICES

PSI addresses the testing needs of both application and product constituencies. With extensive domain-led capability, we help the former, like banks, to validate the readiness of applications against their business requirements. We also provide comprehensive testing services to software product companies who need to minimize defects in their products and get to market fast.

We leverage our business process and vertical segment-focused experience for the benefit of our customers in the following markets:

- Corporate Banking
- Retail Banking
- Payments
- Capital Markets
- High Tech
- Life Insurance

Banks, for example are faced with the necessity of:

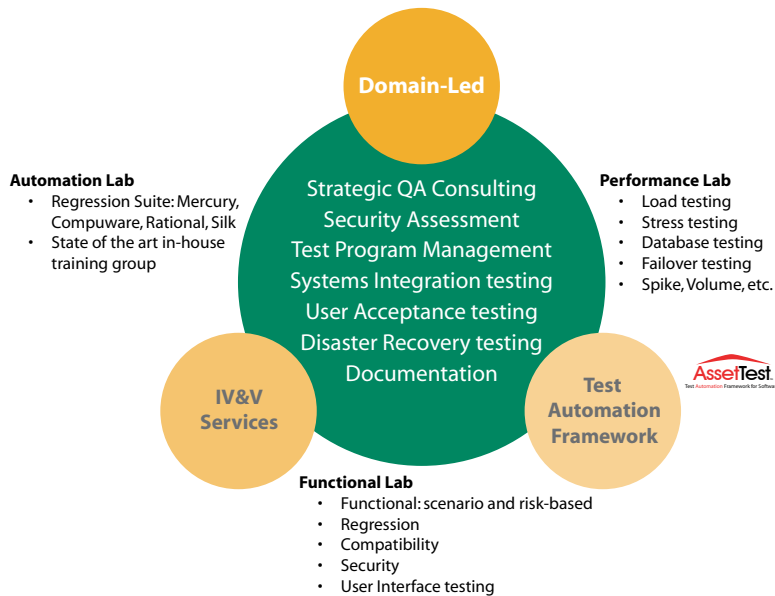
- Leveraging their legacy systems
- Operating unconnected, varied systems that create silos of data
- Maintaining competitive advantage despite increasing regulatory constraints
- Reversing decreasing margins

Web services and Business Process Management (BPM) solutions increase banks' ability to execute seamless transactions across service lines (Straight-Through-Processing). These have to be tested extensively across operating environments of different capabilities. With PSI's domain focus, we give you the flexibility to adapt our testing solutions to your needs.

High Tech organizations face a different set of challenges. Their competitive needs are best served by seamless development and testing. PSI IV&V solutions give companies an objective view of their quality issues, quickly and cost-effectively.



where  
Insight  
drives  
Value™



Using flexible and proven offshore models, we help you ensure that your products are rigorously tested, backward compatible with earlier versions and interoperable with other products in their deployment ecosystem, all within the constraints of cost and time.

## THE TESTING CENTER OF INSIGHT

Our Testing Center of Insight hones the PSI offering to deliver high-quality independent validation solutions that reduce testing overheads and increase confidence.

PSI's IV&V solutions include a large array of assets such as components, frameworks and tools that have been developed according to the requirements of specific verticals and strong domain knowledge.

The Testing Center of Insight leads the PSI effort to deliver:

- **Shorter testing cycles:** faster deployment and trouble-free implementation
- **More economic quality management:** testing accounts for 30-50% of any application development/re-engineering effort
- **Reduced post-implementation issues:** require fewer expensive fixes and prevent potentially disastrous disruptions to business operations.

Outsourcing testing to PSI offers real business benefits with our adaptable, extendable, reusable components. Our skills and experience in application quality management have led many customers to trust us as their only partner in the IV&V area. More than any other fact, this is testimony to the enduring quality of our relationships with our customers.

Write to [info@psidata.com](mailto:info@psidata.com) for more information or to meet up with a PSI representative.

### ABOUT PSI

PSI Data Systems Limited is the Information Technology business of the Aditya Birla Group, one of India's largest industrial conglomerates. PSI is a best-in-class solutions company serving Financial Services and the High Tech markets, globally. PSI operates offices in the USA, Europe, Japan and delivery centers in India.

## TEST AUTOMATION

PSI's **AssetTest™** Automation Framework cuts down time to set up automated testing scenarios. The framework's in-built best practices discipline helps in choosing the right testing tool (expensive tools need to be used optimally), the right approach (it contains defined sets of concepts, practices and assumptions) and the right methodology.

The framework is application- and tool-independent and comes with its own Test Management tool features. Some other key features are:

- Easy automation of given GUI-based applications and more coverage of automation of the software under test
- Components to facilitate quick development of automation scripts, eliminating Tool Expert
- Customizable error-handling and recovery management
- Helps you build a repository of institutional knowledge and the technology solution.

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