

# Verification & Validation

## OVERVIEW

- MindAssure – a complete, metrics based predictive test methodology
- Defect reduction at every stage of the product life cycle
- Test automation and predictive testing translating into exceptional product quality

## Metrics Based Predictive Testing Service

Our metrics based predictive verification and validation services are designed to enhance product quality. Our predictive testing services use rigorous statistical models to forecast residual defect counts in products based on the number of defects detected. Such models help to build high quality products.

## Robust Test Automation Frameworks

Leveraging robust test automation frameworks, our teams carry out successful test automation. The teams have years of experience in automating the testing activity using test automation tools (e.g., QuickTest, Rational Robot, etc.) and test script automation languages (e.g., Perl, Python, Shell Scripts, etc.).

## Solution Matrix

Our verification and validation solutions include:

- Embedded systems and business applications testing
- Software and hardware testing: unit, system, integration, functional, regression, performance, stress and interoperability testing
- MindAssure – a complete, metrics based predictive test methodology
- Preparation of test plans, test cases and test suites
- Compliance testing to meet industry standards
- Manual and automated testing
- Predictive testing and analysis

## Industries and Customers

We offer verification and validation services to Fortune 500 companies, multinationals, and small and medium enterprises across industries.

### INDUSTRIES

- Test and Measurement
- Semiconductor Equipment Manufacturing
- Wireless
- Medical Equipment
- Storage

### CASE STUDIES

- Testing of SAN/NAS file servers
- Testing of semiconductor manufacturing equipment
- Testing of Card Management System for Smart cards

Visit the case studies section on [www.mindteck.com](http://www.mindteck.com) to read about these and other success stories.

## About Us

Mindteck is a global IT services company providing a range of solutions that enhance customers' business performance noticeably. Our focus areas are:

- Embedded Systems
- Enterprise Consulting – SAP
- IT Services

Mindteck is an ISO 9001:2000 and ISO 27001:2005 assessed, SEI CMM level 4 certified company. With a presence in USA, UK, India, Bahrain, Singapore and Malaysia, Mindteck has a truly global reach.

Our state of the art development centers in India and Singapore are well equipped with latest technologies for enterprise-wide communication and networking, productivity, collaborative software engineering, and distributed project management.

## Why Mindteck?

### OPERATIONAL EXCELLENCE

Quality is a way of life at Mindteck, touching every process, interaction and deliverable. Our metrics oriented approach helps us to achieve high operational efficiency. Comprehensive knowledge management and software best practice frameworks are in place benefitting customers. The iterative development approach and incremental release strategy ensure end products' compliance with customer specifications, on-time deliveries and phase containment.

### GLOBAL RESOURCE ARBITRAGE

Harnessing multi-site development centers, exceptional local talent, and proven processes and methodologies, Mindteck's global delivery model ensures lowest possible total cost of ownership.

### TIME AND COST SAVINGS

Competitive costing and time-to-market efficiencies are certainly key drivers in every global partnership. Engaging Mindteck in their R&D efforts, global companies have authored a string of success stories in cost containment and releasing products into the market on time.

### RELATIONSHIP MANAGEMENT

Long term focus and collaborative working are key elements in our relationship management. Ethics, trust, and transparency are the cornerstones of our relationship management framework.

## Related Services

- Product Engineering
- Embedded Software Development
- Electronics Design
- ZigBee Design Services

## Office Locations

### United States of America

California      New Jersey  
Texas              North Carolina

### Europe

London

### Middle East

Bahrain

### India

Bangalore      Kolkata

### ASEAN

Singapore      Malaysia

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If you would like to contact a customer manager in any of the above locations, visit Mindteck worldwide page at: [www.mindteck.com](http://www.mindteck.com)