Mindtree

*Welcome to possible*

# Accelerated Time-To-Market with Mindtree's Dynamic Test Engineering Platform

BROCHURE

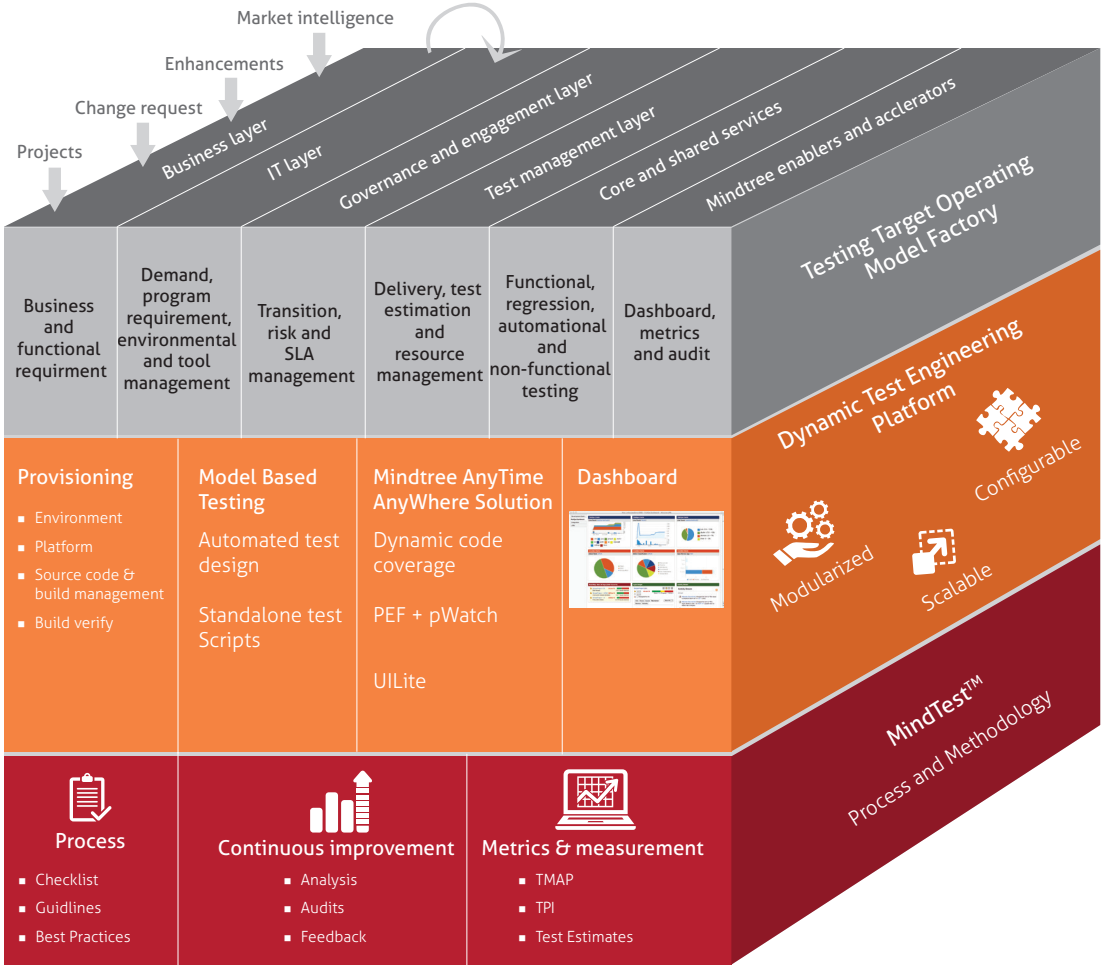
Today's testing environment is marked by shrinking cycle times, growing budget pressures and increasing demand for application agility. Seamless integration between development, build and release management, testing and operations is vital. Software testing is moving towards technology driven "shift left" methodology, with firms engaging in testing as early as the requirements stage to improve the quality of their applications. The focus has shifted to transformation, decreasing spending through right-size testing, quicker go-to-market, standardized testing tools and increasing overall effectiveness.

Testing is changing from script-based to productivity-based automation, with pricing mapped to the number of test cases automated. Continuous test delivery execution is being priced per test case and test run. "SaaSification" of applications is driving up spending on testing, to include integrated test support offerings.

To address the changing landscape, Mindtree has developed the Dynamic Test Engineering Platform - a continuous test delivery platform, which bundles SaaS and services adoption – TestOps. It is the driving engine of MindTest™, Mindtree's Test Factory, supported by standardized processes and methodology.

Going forward, Agile testing will become mainstream and proprietary IPs will drive platform based testing across the testing services portfolio. Mindtree's Dynamic Test Engineering Platform is a forerunner in this direction. We ensure successful testing transformations and large scale Business as Usual (BAU) services testing with our delivery platform which provides quicker access to test environment and enables effective communication between Dev, Test and Ops teams. The plug and play architecture enables organizations to have a tool-agnostic and delivery model-agnostic platform which caters to end-to-end testing needs. It also provides better test coverage as distributed teams can collaborate on the same platform, while health of applications is broadcasted through dashboards.

## Mindtree Three Layer Test Ecosystem



The entire test ecosystem is a three-layered structure:
Layer 1: Customers, biz users, core team driven Mindtree "Lines of Services"-based Test Factory Model.

Later 2: End-to-end test execution and test support services driven by the Dynamic Test Engineering Platform.

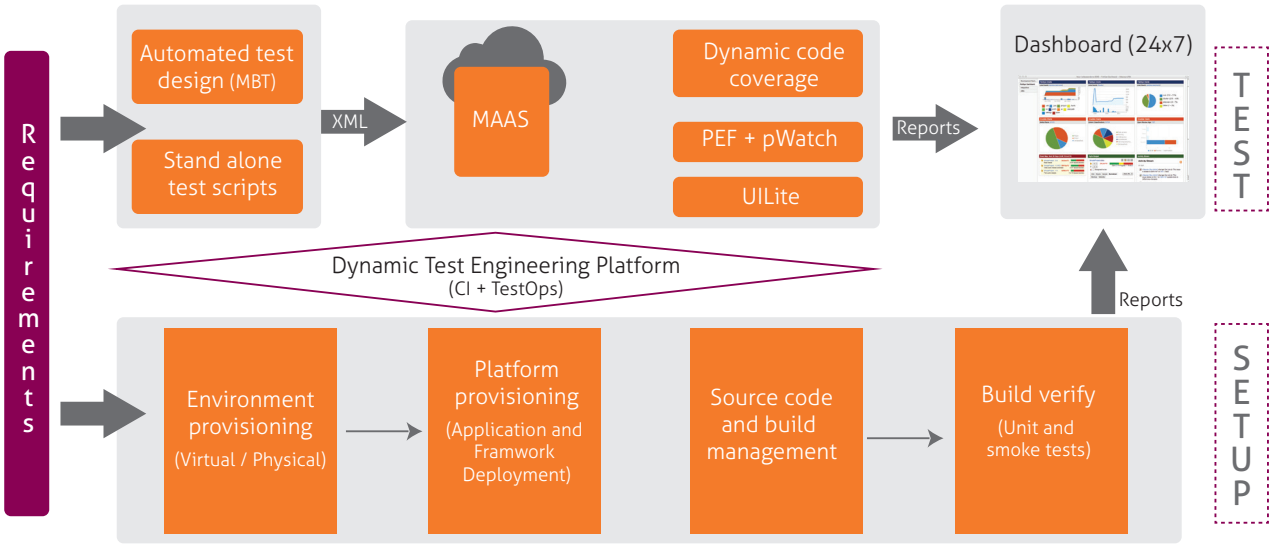
Layer 3: Standardized processes and methodologies driven by MindTest™.

The Dynamic Test Engineering Platform is a configurable, modularized and scalable technology platform. It integrates people and process with technology to provide a complete end-to-end solution, essential in a shared services model. It accelerates time-to-market by shrinking application testing life cycle time by 30%. It leverages cloud technology and brings down costs and effort of managing and maintaining test environment by 50%. The platform provides:

- Continuous integration validation
- Automated environment provisioning
- Requirements automation and execution
- Dynamic code coverage
- Reporting

The Dynamic Test Engineering Platform is a four-layered platform, which includes Mindtree Anytime Anywhere Solution (MAAS), a proprietary cloud-based solution for diverse testing types. MAAS is a one-stop, on-demand SaaS-based solution that qualifies application quality over the cloud at reduced cost. It offers different automation services such as web services testing, web applications testing, mobile testing and performance testing in a single profile.

The four layers include Development (construction layer), Build (release layer), Testing (Mindtree's Anywhere Automation Solution + requirements for automation) and Analytics (reporting layer).




## Key features:

- Integrated test methodology with MindTest™ – This ISO29119-certified methodology improves governance, project management, accuracy of estimates and transparency
- Zero infrastructure: Test runs using cloud infrastructure (on-demand)
- Automated deployment and tests – predictable quality at early stages
- Dynamic code coverage at compilation ensures quality of behavior and helps determine quantitative measure of code coverage, which is indirectly the measure of quality of the application/ product
- Tools standardization provides end-to-end coverage.

Mindtree's testing practice, with in-depth knowledge, experience and expertise, is known for its quality services. We provide guaranteed levels of service including:

- Quicker environment provisioning / de-provisioning (e.g., Dev, Test, and UAT)
- Work from anywhere: Replicated test environment across development, test, and UAT
- Leverage existing automation tools to form integrated test environment for increased test coverage
- Model that works irrespective of delivery methodology (Agile, Waterfall, Rapid development etc.)
- Packaged solutions that are customized to user needs (e.g., Open Source, Commercial, Firmware, Mix, etc)
- Leverage existing solutions for reusability (model once created through a MBT tool can be reused across multiple releases and similar flows across applications)
- 24 x 7 stakeholder-specific dashboard: Different views for developers, testers, managers, program managers, senior management etc.

The configurable, modularized and scalable Dynamic Test Engineering Platform integrates people and process with technology to provide better test coverage and accelerate time-to-market. It provides quicker access to test environment and fosters effective communication between Dev, Test and Ops teams.

Reach out to us at info@mindtree.com to know more on our Dynamic Test Engineering Platform

## About Mindtree

Mindtree (NSE: MINDTREE) delivers technology services and accelerates growth for Global 1000 companies by solving complex business challenges with breakthrough technical innovations. Mindtree specializes in e-commerce, mobility, cloud enablement, digital transformation, business intelligence, data analytics, testing, infrastrucure, EAI and ERP solutions. We are among the fastest growing technology firms globally with more than 200 clients and offices in 14 countries.