

# TEST MANAGEMENT WITH IBM® ENGINEERING LIFECYCLE MANAGEMENT

## Engineering Test Management

### INTEGRATED AND CONTINUOUS TESTING

Testing, in an engineering context goes hand in hand with quality management, but a high-quality output is only one of the benefits of adapting robust and effective testing regimes and tools. In addition to maintaining the quality of your products and services, testing helps engineering teams meet project deliverables and go-to-market faster. But as technology advances, so does a testing requirement which relies more heavily on testing processes which are integrated at each element of the engineering life cycle.

Traditionally, testing is seen as one of the last steps in the engineering development process and therefore is often under scrutiny when budgets and schedules are tight. In recent years, it has become more widely explored and accepted that this view of testing no longer presents a competitive position, and that testing as early and as often in the development process as is possible reduces cost, increases quality and accelerates time to market.

### PROTECT AND MAINTAIN THE QUALITY OF YOUR ENGINEERING OUTPUT

Engineering success can often depend on one factor; the quality of the products and services delivered to market. Engineering quality issues can affect organisations in many ways, from in-service costs such as recalls and unplanned fixes to missed release dates and budget overrun. Tackling quality issues requires that robust quality procedures are built into each element of the engineering development life cycle. To make quality prevalent throughout the entire process, we recommend automating this effort.

At the heart of great, quality-driven engineering development are people, and to add quality elements to processes such as requirements management and defect management, teams need to collaborate, automate and govern.

### IBM® ENGINEERING TEST MANAGEMENT

To achieve quality driven software and systems, development teams need to collaborate, share information and adopt a level of automation throughout the software and systems development process.

IBM® Engineering Test Management is an end-to-end test and quality management tool which provides test planning and asset management functionality across the entire engineering life cycle.

IBM® Engineering Test Management offers test planning, test construction and test artefact management functions, which helps quality assurance teams collaborate, automate and govern more effectively. The tool automates collaboration and information exchanges across engineering development teams to allow them to deliver superior quality on time, every time. The robust reporting features provide real-time data to inform release decisions and mitigate risk.



D A T A S H E E T

## VALUE AND USAGE

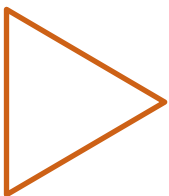
- Uses comprehensive and customisable test plans to track quality driven software delivery.
- Provides powerful dashboards which present data and information in a more productive way.
- Offers test execution schedules which helps in optimising environment coverage.
- Facilitates collaboration of geographically dispersed teams through a web interface.
- Helps with test scheduling and execution through physical and virtual lab assets.
- Provides manual test authoring with rich text and inline images for exact test definition.

## VALUE THROUGH SYNTHESYS

We specialise in tool-supported systems engineering – providing our Customers with affordable systems engineering tools to increase their efficiency and effectiveness in delivering solutions to their Customers. As an IBM® Gold Business Partner, SyntheSys provides a unique blend of application knowledge, experience and a flexible delivery mechanism, which provides Customers with the right software solution and a deeper understanding of the tools to ensure maximum benefit.

SyntheSys' Collaborative Engineering Management approach will enable you deliver the best-in-class products and drive down associated quality costs by ensuring that quality procedures and tests are executed at every stage of the engineering development life cycle.

Our ability to work with IBM® to distribute Engineering Lifecycle Management software is built on a firm foundation of industry know-how and extensive knowledge of the Engineering tools which enables us to distribute the tools in a value-added way. Our services offering stretches much further than the deployment of technology.



Gold  
Business  
Partner



### About SyntheSys

SyntheSys provides defence systems, training, systems and software engineering and technical management services over a spectrum of different industry sectors. Along with distinct support and consultancy services, our innovative product range makes us first choice provider for both large and small organisations. Established in 1988, the company focus is on fusing technical expertise with intuitive software applications to solve common industry challenges.

