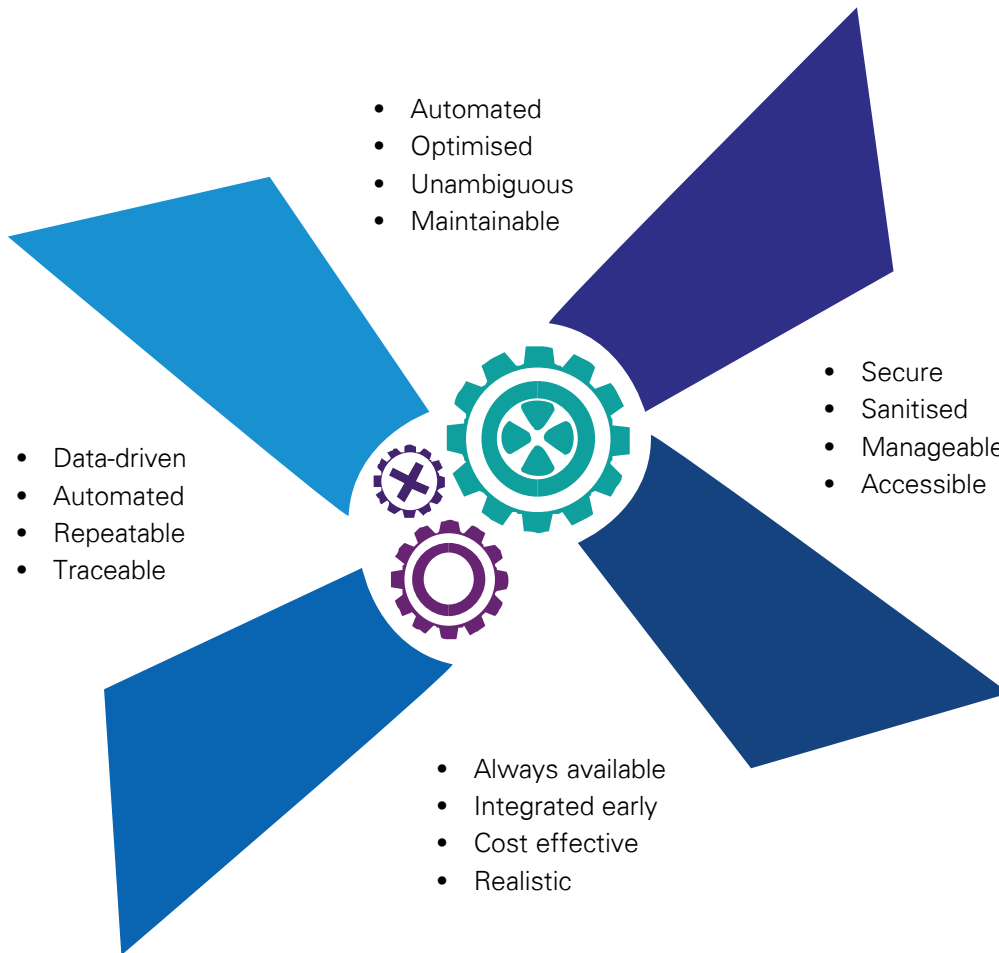




# KPMG Accelerated Testing



# Introducing KPMG Accelerated Testing



By combining broad industry knowledge with extensive technical skills, our approach is to restore quality, resilience and business focus, and make IT Testing an enabler and accelerator of business change.

## Accelerated Testing enables:

- Rapid test creation
- Powerful, representative test data creation without relying on production
- Automation of test cases before coding completes
- End-to-end testing without relying on availability of legacy systems

## Programme Benefits:

- Achieve 100% test coverage with the minimum number of tests
- Remain compliant with current and future data protection regulations
- Execute more tests, faster -and more frequently
- Reduced infrastructure costs

## Business Benefits:

- Faster time-to-market without sacrificing quality
- Improved stakeholder confidence and customer satisfaction
- At least 25% reduction in the cost and time of delivery

# KPMG Accelerated Testing delivers rapid change

## Automation of the entire testing lifecycle

Our **Domain Accelerators** mean testers are not starting from scratch.

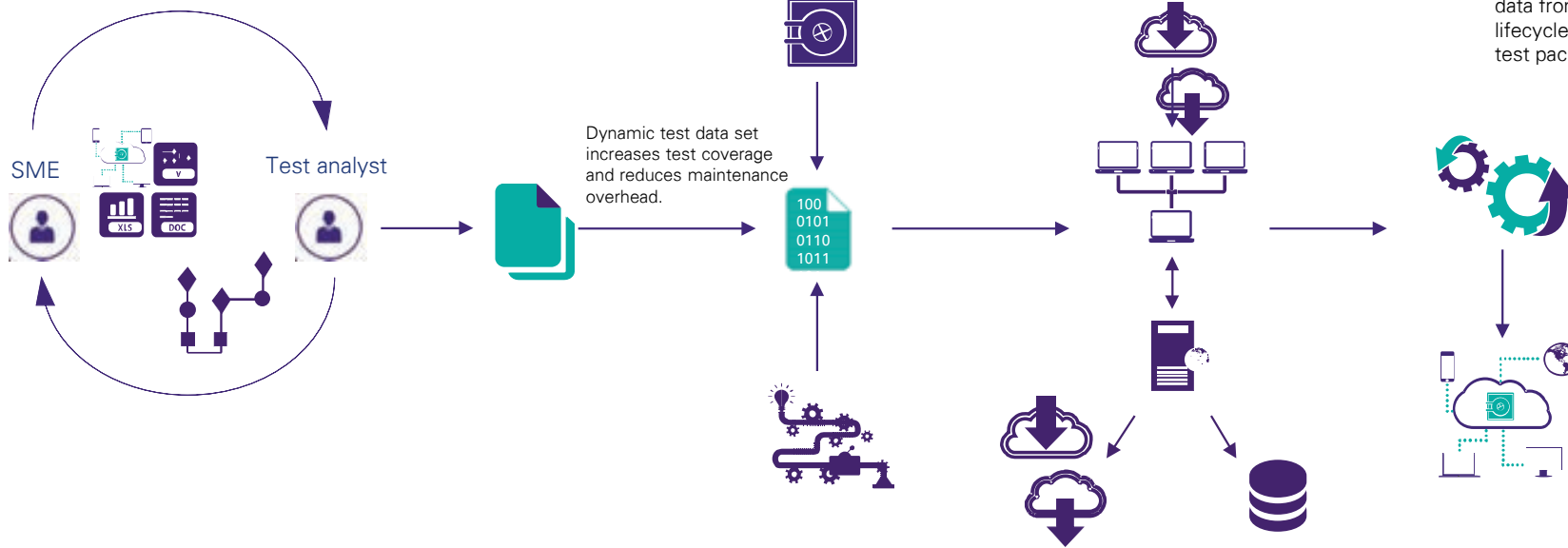
**Model Based Test Case Design** automates the process of test case creation from business process models.

Leverage powerful **Data Subsetting and Masking** tools to automatically find and desensitise data

**Service virtualisation** removes dependency on 3rd party apps and environments

**Nexus** accelerates automated test script generation by:

- Providing an easy to use interface to the underlying automation functions
- re-using test scripts and test data from earlier in the testing lifecycle to create automated test packs.



Model based requirements captured to remove ambiguity and improve quality. Our Domain Accelerators mean testers are not starting from scratch.

Test coverage always remains optimised, because of the agility to respond to requirement changes and perform immediate impact analysis.

Or generate synthetic data for full test coverage. Increased negative testing and edge cases.

Sophisticated dashboards and proxies enable effective management of virtual services across test environments at enterprise level.

Our Domain Accelerators include application specific automation packs.

# KPMG Accelerated Testing - components

## Test Case Design

These capabilities focus on delivering optimised test cases directly from your requirements. All phases/types of testing are considered; SIT, System, Regression, UAT etc. Using model-based requirements capture techniques, the outcome is a test pack that provides full functional coverage and eliminates test case maintenance. Additionally, existing test packs can be analysed to remove duplication and therefore deliver more efficient, relevant testing.

## Test Data Management

These address the creation, utilisation, sanitisation, and rationalisation of testing data. They ensure testers have access to a data set that is a true representation of the scenarios that a system is required to process, and gives testers greater capability to manage their test data requirements. In addition, project managers and other senior stakeholders can be confident that test data is not being used in violation of any regulatory or commercial constraints.

## Test Environments

These capabilities accelerate testing by virtualising key systems or interface, thus removing test environment constraints. In addition, they implement message-based testing methodologies and tools to enable early testing, and increased test coverage, of SOA-based solutions.

## Test Execution

You can accelerate your testing by automating those test execution actions that would otherwise be performed manually. In addition, automating test execution enables comprehensive, data-driven testing which increases overall test coverage, increases product quality and reduces delivery risk. Once automated, a test phase or type can be efficiently executed as a service, ensuring continuous assurance of future releases and enabling your internal resources to focus on new functionality.



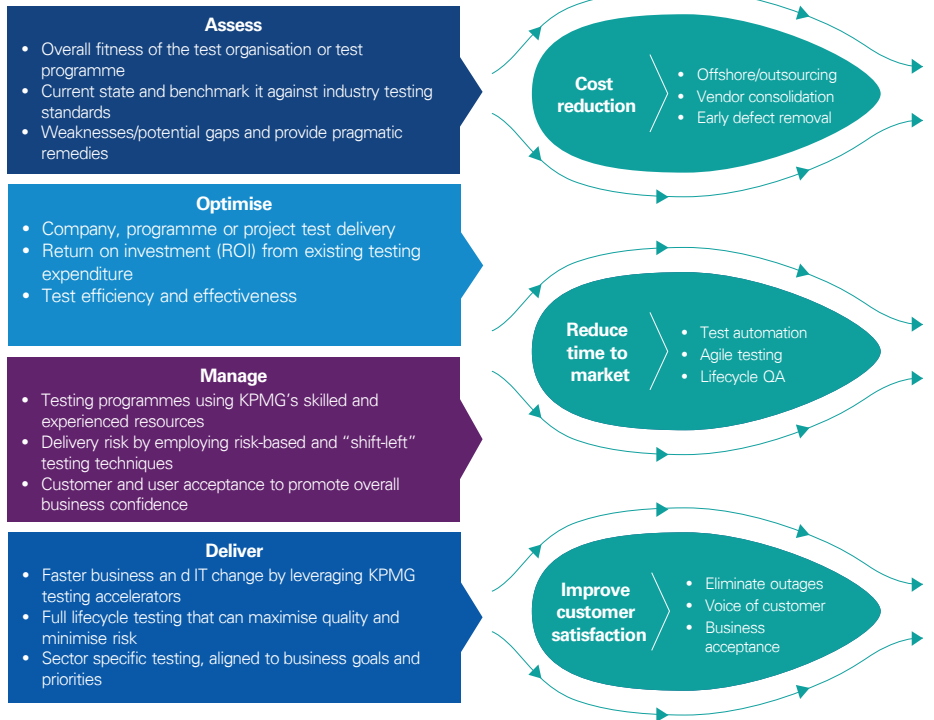
# Setting a new standard in testing

By combining broad industry knowledge with extensive technical skills, we make IT testing an enabler and accelerator of Business Change.

## Deliver quality...

Deploying innovative tools, established practices, skilled resources and broad industry knowledge, we strive to make testing more than just a search for defects.

### Our service lines enable key business outcomes



## at speed...

Introducing Accelerated Testing from KPMG – a combination of leading tools, applied methodology and domain accelerators, which our experienced resources use to automate the most time consuming aspects of the testing lifecycle.

### Accelerated Testing can benefit:

#### Test Organisations

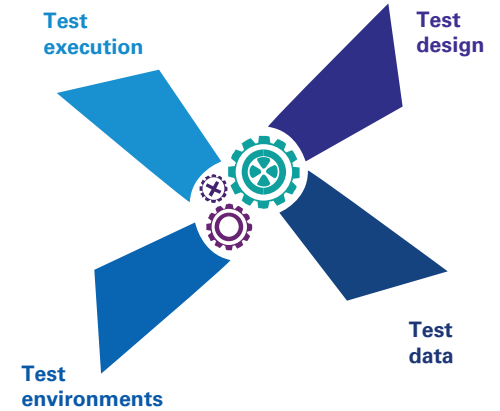
- Achieve rapid test creation
- Achieve powerful, representative test data creation without relying on live data
- Achieve automation of test cases before coding completes
- Perform end-to-end testing that avoids the constraints of legacy systems with limited availability

#### Programmes:

- Achieve full test coverage with the minimum number of tests
- Remain compliant with current and future data protection regulations
- Execute more tests, faster - and more frequently
- Reduced infrastructure costs

#### Businesses

- Achieve faster time-to-market without sacrificing quality
- Improved stakeholder confidence and customer satisfaction



Accelerated Testing will deliver at least a

# 25% reduction

in project delivery time and cost.

## KPMG delivers testing services globally

### 1000+ resources

KPMG member firms have combined experience delivering full lifecycle testing and test assurance to more than 300 clients in 22 countries.

### Across 22 countries

KPMG member firms offer extensive engagement experience in all phases of technical testing (system, SIT, E2E, non-functional) in defect prevention (requirements validation and verification); as well as in pre and post go-live assurance.

### Over 300 clients across the KPMG Network

With our dedicated assurance capability, KPMG is the only "Big 4" firm accredited to deliver both TMMi and CMMI maturity assessments. The experience of KPMG professionals underpin our capabilities as independent testing assurers.

## Key contacts



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