KMS SOLUTIONS | A KMS Company

DIGITAL TESTING SERVICE

Embrace the Digital Enterprise

KMS STORY

A premier global technology consulting firm that provides innovative software services and digital solutions to empower its clients to achieve more

2022
Launched KMS Healthcare to specialize in healthcare services and products and Kaypay - a product of BNPL

2021
Launched BankTech Center to accompany the regional banks' Digital Transformation journey

2019
Established KMS Solutions to help APAC clients with World-class Digital Solutions

2016
Launched Kobiton - an all-in-one mobile test automation platform

2015
Launched Katalon - an award-winning test automation tool

2011
Launched QASymphony – a leading agile test management platform

2009
Established KMS Technology in Atlanta, U.S & Vietnam

KMS STORY

Global Operations
5 Offices across the
US, Australia & Vietnam

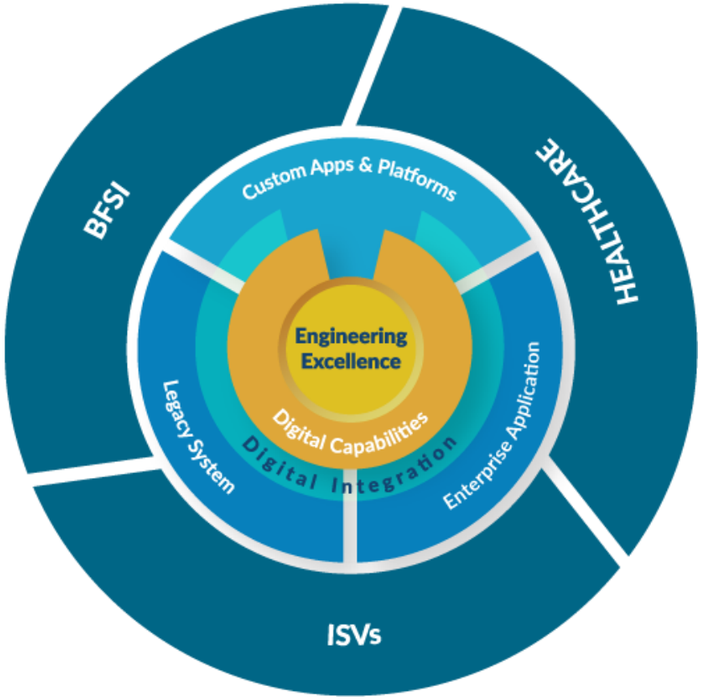
Solid Footprint in Vietnam
1,600+ Member

Software Engineering Excellence
130+ Global Clients &
$13.8B in cumulative value generated

Strong Quality Focus
3 Software Quality Products &
Platforms built and launched

KMS SOLUTIONS OVERVIEW

Designated to bring the world's innovative technologies to Asia Pacific. It helps organizations achieve their business goals through world-class digital capabilities and fit-for-purpose solutions



WORLD-CLASS SOLUTIONS

DIGITAL FOCUS

ACCELERATED TIME TO VALUE

PARTNER NETWORK

ThermoFisher SCIENTIFIC
GoodData
axefinance Focus · Expertise · Value
Katalon
Kobiton
MICRO FOCUS
SAFe
VERTICA
SILVERLAKE
aws
Microsoft
Google Cloud Platform
Insider
MAMBU
mixpanel

DIGITAL TESTING OFFERINGS

PERFORMANCE TESTING

Continuously evaluate and benchmark performance levels for deep insights Into the application's reliability

SECURITY TEST

Uncover vulnerabilities, threats, and risks in a software application to prevent malicious attacks

TEST AUTOMATION & DTLC ENABLEMENT

Maximize test coverage and ensure excellent software quality

- FULL COVERAGE ACROSS PLATFORMS
- CODELESS TEST AUTOMATION
- PROVEN FRAMEWORKS AND METHODOLOGIES

OUR PLATFORMS OF CHOICE

Katalon · Kobiton · MICRO FOCUS · sonarqube

CLOUD SERVICES

Google Cloud Platform · aws · Microsoft Azure

DIGITAL TESTING CHALLENGES

SLOW TIME TO MARKET

Slow time-to-market of product launching due to Manual Testing.

TESTING EFFORT

Testing Effort is increasing time by time due to manual-intensive task. Testing is also behind DevOps

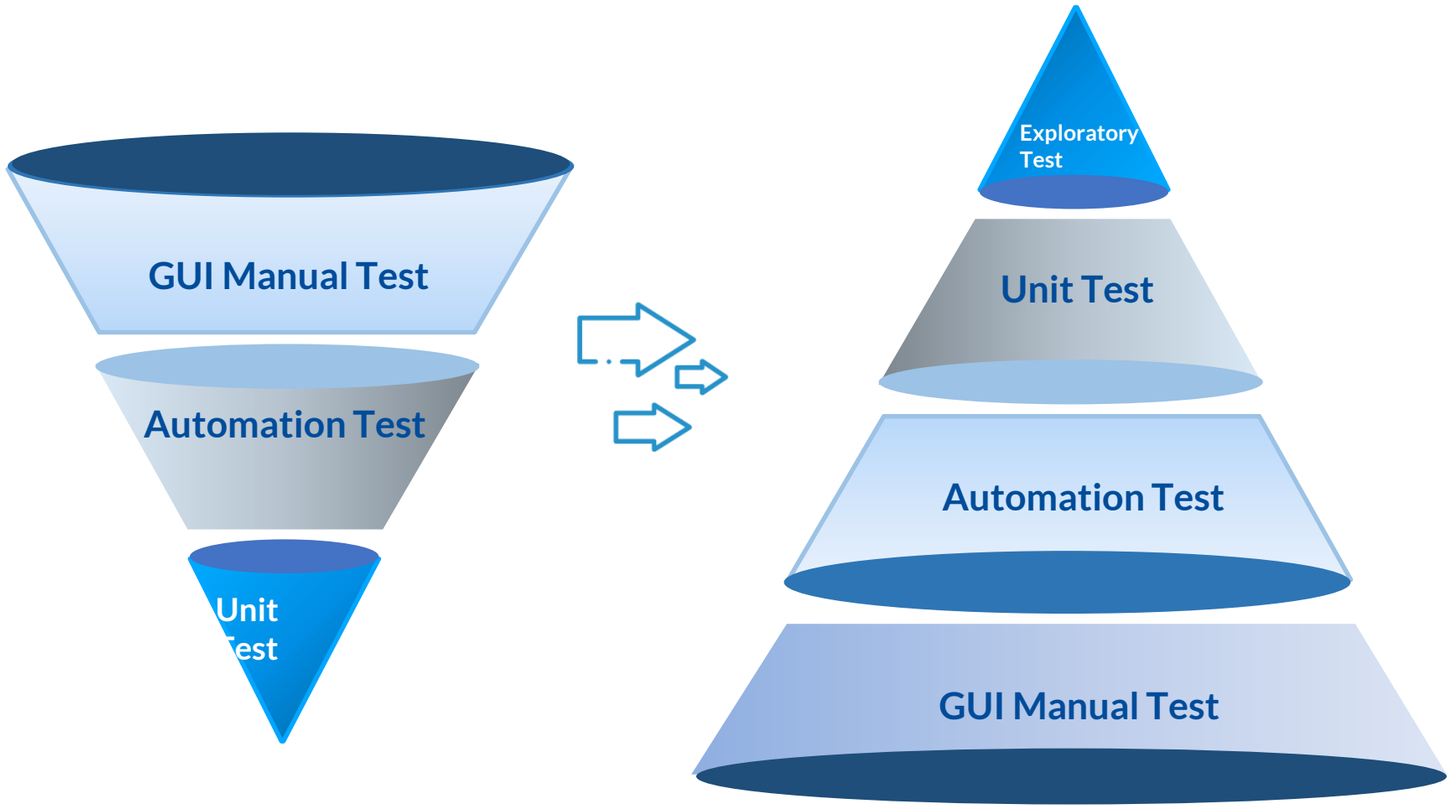
QUALITY POST PRODUCTION

Frequently evolving scope due to dynamic customer behaviors which can be easy to miss critical tests for any requirement

INADEQUATE TESTING COVERAGE

Defect leakage due to capacity or time constraints

ESSENTIAL ELEMENTS FOR CONTINUOUS TESTING

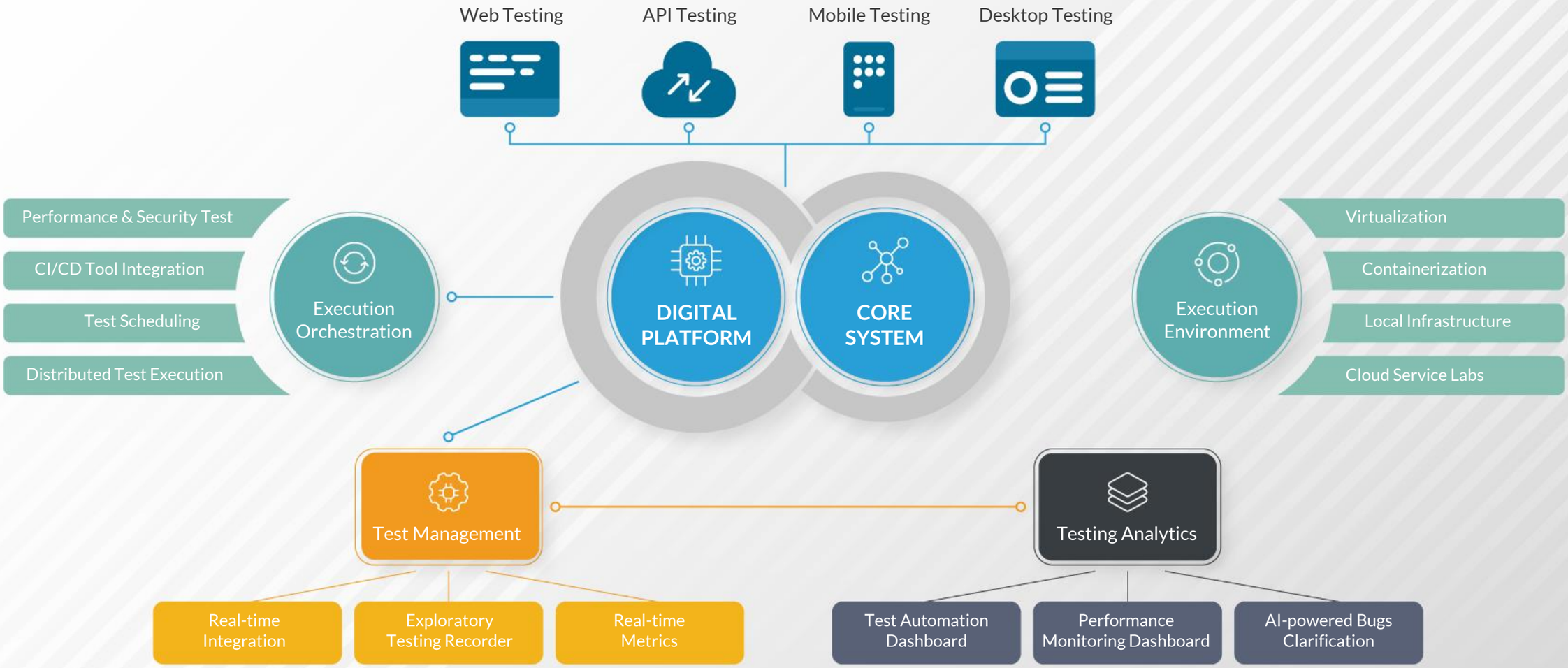


TRADITIONAL APPROACH

AGILE APPROACH

- Requirement traceability & risk assessment
- Shift-left and Automation
- Service Virtualization
- **Integrated Toolchain**

KMS AUTOMATION TESTING FRAMEWORK



Help businesses innovate faster with comprehensive Quality Assurance solutions

KMS QUALITY PERSPECTIVES
The 4-stage approach

REQUIREMENT ANALYSIS

- Participate in Requirements Walkthrough
- Identification of critical functionalities
- Preparation of Test Strategy
- Acceptance criteria, performance expectations

❑ Quality Plan

DESIGN & BUILD

- Involved in review of design document
- Creation of test plan (manual / automated)
- Creation of Test Scripts
- Creation of Execution Plan

❑ Quality Execution Plan
❑ Test Cases / Test Scripts
❑ Review Logs

EXECUTION

- Execution of test cases as per test plan
- Creation of defect log for issues / defects encountered during test execution
- Re-Execution of test scripts once the defects are closed by the developers

❑ Quality Execution Plan
❑ Test Cases / Test Scripts
❑ Review Logs

UAT

- Extract test cases and deliver to client
- Creation of defect log for issues / defects encountered during test execution
- Re-Execution of test scripts once the defects are closed by the developers

❑ Defects log
❑ Test Completion Reports

KMS DIGITAL TESTING OFFERING

Provides Digital Testing Teams that covers Lifecycle Testing across applications

Quality Plan

Maximize test coverage and ensure excellent software quality

Functional Test

Creation of test plan (manual / automated), Test Scripts, Execution Plan, Perform functional test activities with development teams.

User Acceptance Test

Independent user-acceptance test, follow predefined User Requirements and Acceptance Criteria

Performance Test

Continuously evaluate and benchmark performance for applications

System Integration Test

Verifies the proper execution of software components within the big solution; testing for dependencies between different components.

Automation Test

Maximize test coverage and ensure excellent software quality

Security Test

Uncover vulnerabilities, threats, and risks in applications to prevent malicious attacks

Client's benefits

- Independent view for testing
- Best-in-class for Automation Testing tool & approach
- Improve quality and reduce risk

DIGITAL TESTING TEAM

Timeline and Key Activities

	Month 1	Month 2	Month 3 and onwards
	Ramp-up	**Test Design**	**Continuous Validation**
	• Program Vision, Environment Setup, establish agreed-upon baseline, approach for Deliverables Acceptance	• Design test cases • Prepare test data • Test execution	• Functional Tests • System Integration Tests • Acceptance Tests
			Automate Testing • Automate acceptance test cases
DELIVERABLES	• Quality Management Plan • Change Control Procedure • Risk & Issues management Plan	• Test Cases • Defects log • Test Completion Reports • Build Package for deployments • Release Notes	• Automation Test Scripts • CI/CD Integration
TEAM ROLES	Digital Testing Team QA Manager, QA Lead, DevOps Engineer	Digital Testing Team QA Manager, QA Lead, DevOps Engineer, QA – Manual	Digital Testing Team QA Manager, QA Lead, DevOps Engineer, QA – Manual, QA - Automation

PROGRAM ORGANIZATION

CLIENT	KMS SOLUTIONS	Responsibilities	Meeting Frequency
Steering Committee			
Executive Management	Account Management	• Provide business oversight • Long-term plans, business trends and direction • Alignment of Sacombank and KMS goals • Resolve Issues and disputes • Manage Escalations	• Monthly during initiation phase • Quarterly during execution phase • Monthly performance Reports
Program Management Office			
Program Managers	Delivery Managers RMO	• Review action items from Steering Committee • Program executions: Scope, Budget, Deliverables Quality • Review Status Reports • Resource Forecasting & Utilizations	• Bi-monthly during initiation phase, • Monthly during execution phase • Weekly & Monthly Reports
Team Level			
Team Lead SME IT, Information Security, Compliance	QA Lead Testers	• Digital Testing Teams for Functional Test, Integration Tests, Acceptance Tests • Peer reviews and own quality standards • Definition of Done • Deliverables Status / Service Levels Status • Prioritize and coordinate of work activities • Identify continuous improvement opportunities • Risks & Mitigation plans	• Scrum Ceremonies: Daily stand-up, Sprint Review/System Demos, Sprint Planning, Retrospective • Kanban: Weekly Status Reports • Key Performance Indicator Reports

THESE BRANDS TRUST KMS

ATLANTA

1776 Peachtree NW Suite 200N, GA 30309
(678) 813-1KMS

SYDNEY

Se 1, L18, 219-227 Elizabeth ST, NSW 2000

HO CHI MINH

2 Tan Vien Street, Tan Binh District
(+84) 28 38 11 99 77

HA NOI

6th floor, Dreamplex, 174 Thai Ha Street, Dong Da District
(+84) 24 73 00 58 00

DA NANG

5th Floor, VNPT Building, 346 2/9 Street, Hai Chau District
(+84) 28 3811 9977

www.kms-solutions.asia

contact@kms-solutions.asia