



Test Factory- Automation Testing

3DEXPERIENCE®

Scope & Overview of Offering

Automated Testing

Testing
Types

Functional Automation

Testing features and functionalities of products/solutions to make sure that it works in the intended way

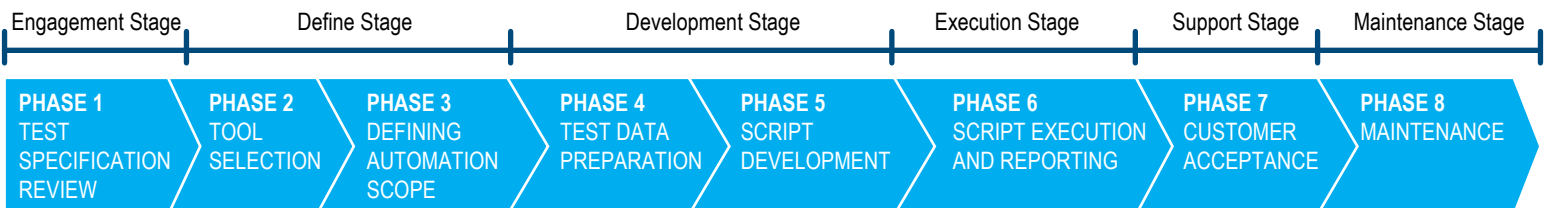
Load/Performance Automation

UI testing ensures proper functionality of the graphical user interface (GUI) for a given application and making sure it conforms to its written specifications


Brands
Coverage




Delivery Framework



Responsibility Matrix

 Owned by Partner & supported by DSGS

 Owned by DSGS

Value Proposition

Challenges	Time and Effort	Flexibility	Spotting Errors	Alert system	Performance System
Value Proposition	<ul style="list-style-type: none"> Reduction in huge manual effort of Regression Testing Automation execution can be scheduled at any time without monitoring It reduces execution time by nearly 1/6th 	<ul style="list-style-type: none"> Automation execution can be done with any user(functional/ non functional) without installation of any automation tool and license 	<ul style="list-style-type: none"> Failed test cases will be marked in red color with description and screen shot in report 	<ul style="list-style-type: none"> Automation execution report will be sent in mail to all required team members 	<ul style="list-style-type: none"> Load/Performance/Soak test can be done and report performance issues (memory leakage, CPU usage, network utilization issues)

Success Stories

CPG OEM in USA



Customer Needs

- Build a Automation testing framework at CPG giant for 3DEXPERINCE suite of applications to achieve rapid and accurate testing cycles

Highlights

- Developed scripts for 2000+ test cases and executed it on time with quality for each release.
- Developed scripts for 400+ test cases for Native application. i.e. Enginiuty
- Supported the upgrade from R2015x to R2018x using reusable scripts
- 3% Savings during development phase
- 30% Saving during testing phase.
- Early identification of the issues reducing cost of fixing the same.

Apps Tested

- BOM Management (PDE)
- Change Management (CHG)
- Project Management (DPJ, DPM)
- Requirement Management (TRM)

Automotive OEM in JAPAN



Customer Needs

- Define and execution of test cases as per Sprint schedule
- Validation of Change Request

Highlights

- Developed scripts for 1000+ test cases and executed it on time with quality for each Sprint.
- All the test cases developed by team were used for qualifying test phase which was entry criteria for UAT phase.
- Provide support to Development team for Unit testing during critical phase of Development
- 70% Efforts reduction in validating the releases
- Helped to identify issues in early phases of development which reduced cost of fixing

Apps Tested

- Requirement Management (TRM)
- Project Management (DPM, DPJ)
- Variant Management (PDM)
- BOM Management (PDE, CFG,CMM)
- Classify and Reuse (CCM)

Contact Us

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Test Factory- Manual Testing

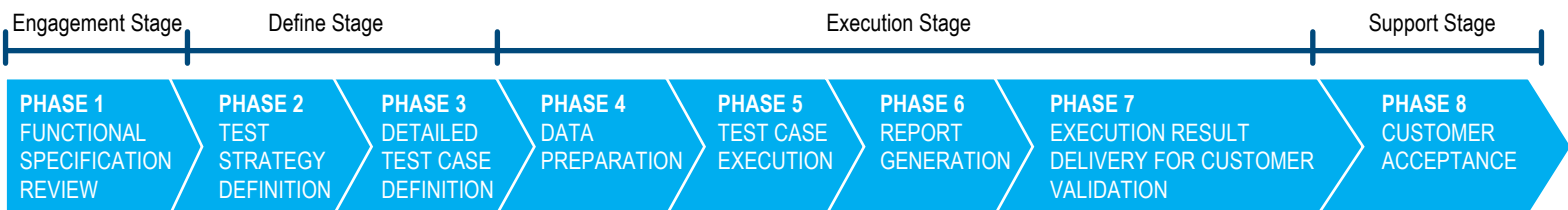
3DEXPERIENCE®

Scope & Overview of Offering

Manual testing


Testing Types	Functional Testing	User Interface Testing	Regression Testing	Interface Testing
	Testing features and functionalities of products/solutions to make sure that it works in the intended way	UI testing ensures proper functionality of the graphical user interface (GUI) for a given application and making sure it conforms to its written specifications	Regression testing verifies that solutions/software which was previously developed and tested still performs correctly after it was changed or interfaced with other software	Interface Testing is done to verify whether the communication between two different software systems are done correctly
Brands Coverage	      			

Delivery Framework



Responsibility Matrix

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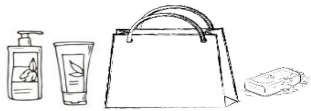
 Owned by DSGS

Value Proposition

Challenges	Complex Business scenario leads to improper coverage	Unavailability of right QA methodologies	Unavailability of sizable Test data set leads to incomplete testing	DS Technology and Product Knowledge coupled with access to specialized expertise
Value Proposition	<ul style="list-style-type: none"> Thorough industry knowledge to develop right business scenario/test cases 3DEXPERIENCE Expertise to map business scenario to right OOTB usage Industry wise data bank preparation and usage 	<ul style="list-style-type: none"> Experience in Agile / Waterfall model testing Various template –Traceability Matrix, Checklists, Root Cause Analysis, in the context of DS Technology Implemented Dedicated organization for process management and compliance 	<ul style="list-style-type: none"> Readily available data set for various industry verticals Automatic data set creation script available Re-usable Acceptance Test Cases documented for OOTB Features 	<ul style="list-style-type: none"> Close collaboration with R&D to keep testers updated with latest releases 3DEXPERIENCE Environment Creation expertise

Success Stories

Medical devices, Pharmaceutical and CPG OEM in USA



Customer Needs

- Build a Computer System Validation (CSV) accelerator suite for a regulated industry
- FDA requires systems that support regulated activities be controlled, maintained, & qualified

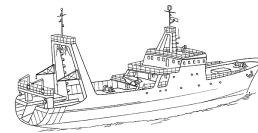
Highlights

- Defined 500+ Test cases and executed it on time with quality for R2015x
- Test cases were developed as per FDA compliant
- Managed frequent scope changes without impacting Project deadlines
- Deployment of **3DEXPERIENCE** platform proactively before its Go Live in production for customer
- Traceability via REQIFY

Apps Tested

- Life Science Accelerator (QUC, DAR, REM)
- Consumer Packaged Goods (GLS)
- Engineering & Planning (PDE, MBO)

French industrial group in Naval Defence



Customer Needs

- Building Marine and Offshore platform
- Developing Naval Group specific features like Customization of Requirement, Variant and Document Management

Highlights

- Defined 500+ Test cases and executed it on time with quality for each release
- Project executed in Offshore and Onshore model
- Testing factory implementation
- Leveraging OOTB functionality of Requirement, Variant and Document Management
- J Unit framework setup for unit testing
- Reusability of test cases for every new release for Requirement, Variant and Document Management
- Early identification of issues reduced Support and Maintenance cost

Apps Tested

- Variant Management (PDA, PDM)
- IP Classification (CCM)
- Requirement Management (TRM)
- Project Management (DPJ, DPM)

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