

# TESTING FOR SAP MIGRATION

**Sector:** Energy

**Topic:** SAP upgrade and business process improvement

## Our approach:

1. Set up and manage test referential in SAP Solution Manager (SolMan)
2. Test Management for System Tests and User Acceptance Tests with the stakeholders, especially key users
3. Defect Management with SolMan
4. Set up metrics and reporting.

## CONTEXT

Due to legal restrictions, an energy provider had to modify its SAP platform set up (SAP upgrade, business process improvements...). We have supported our client in **the most strategic project of unbundling SAP in two separated systems**: one for the network side and one for the supplier side, including about 50 interfaces (applications, queues, files...)

## BENEFITS

- **Test referential:** management of the test cases and the test runs directly in SAP Solution Manager;
- **Test Management:** standardized testing based on test policy and standardized test reporting;
- **Defect Management:** process described and performed with SAP Solution Manager.



# TEST MANAGEMENT

**Sector:** Insurance

**Topic:** Finance Transformation

## Our approach:

1. Assess the AS-IS and understand pain points
2. Define and set up the new defect management process
3. Advise and participate in the setup of the test policy
4. Design and management of automated functional and regression tests implementation and execution.

## CONTEXT

Within IFRS17/9 & Finance Transformation program, an insurance company presents across several European countries conducts **a multiyear journey with the goal to implement one common finance platform (SAP S4 HANA) with one common Chart of Account** with the objective to fulfil IFRS obligations as well as to follow the need for digital transformation.

## BENEFITS

- **QA & Test Culture:** coaching Test Management Office leader to grow up the QA & Testing maturity, sharing same QA referential;
- **Test Management:** Test policy , defect management and test reporting defined on Activity Group level;
- **Test coordination** with the different Business Units to deploy Test Policy, Test Method and Test Tool;
- **Test Automation:** Automated functional and regression tests implemented at Common Data Store (CDS) level.



# PERFORMANCE TESTING

**Sector:** Financial Services

**Topic:** Migration to Temenos T24

## Our approach:

1. Clarification of non-functional requirements and Test scenarios definition with the Stakeholders
2. Test case documentation on HP ALM and bug reporting on JIRA
3. Automatic regression tests including performance testing with POSTMAN and JMeter.

## CONTEXT

We have supported the bank's legacy core banking systems migration to Temenos T24, ensuring the proper functionality across retail, treasury, wealth and payments, with a series of well-structured JMeter scripts designed to determine how the stability, speed, scalability, and responsiveness of all related applications hold up under a given workload, thus validating software quality and workload efficiency.

## BENEFITS

- **Automation of the test scenarios and the Web services tests** using tools like POSTMAN and JMETER;
- **Performance Tests:** load, stress and performance test (design, script and execute) that can handle data generation while maintaining data integrity.



# TEST FACTORY AND TEST AUTOMATION

**Sector:** Telecom

**Topic:** Replace IBM system by a Third-party system

## Our approach:

1. Assess the AS-IS by reviewing test and release management process
2. Select the right tools to track the testing scope on a release basis
3. Set up proper KPI's and reporting for the different stakeholders
4. Set up adequate KPI's and reporting for the different stakeholders.

## CONTEXT

Our client aims to replace IBM system by another third- party system.

Responsible for providing technical services to all operators, the aim of the Program Transformation is

To reach the challenges of the client, a test team of 5 people has been built, in charge of the System Integration Test, the functional End to End tests and performance tests.

## BENEFITS

- **Test Management Tool Implementation:** Implementation of Squash TM, an open-source solution that has a master/slave concept , facilitated test reporting with a JIRA plugin;
- **Test Environment Management:** Dedicated test environment put in place and controlled to ensure repeatable testing, done in an incremental approach, pinpointing what component of the environment was responsible for any downtime, until 95% availability was achieved;
- **Defect Management:** A complete defect management process has been created, documented and deployed;
- **Test Automation:** Automation of all critical business scenarios to reduce testing time for regression testing.



# TEST ASSESSMENT AND TEST AUTOMATION

**Sector:** Banking

**Topic:** Digital Transformation

## Our approach:

1. Assess the AS-IS with identification of key improvement areas
2. Perform workshops to define the new test policy for the bank
3. Evangelization of the bank business and IT digital teams on ISTQB quality principles and methods
4. Define Test automation strategy and perform the Proof of Concept.

## CONTEXT

A bank has required support to **assess the status of its digital applications** and guidance to:

- **Improve the quality** and the practice of the testing activities,
- **Accelerate the release delivery and increase the productivity,**
- Manage changing priorities while ensuring the digital / bank business process.

## BENEFITS

- **Test Management:** Set up and configure Azure DevOps to be used as of a test management tool;
- **Agile Delivery Model:** Set up & coach digital teams (IT & business) on agile , scrum and Kanban approach;
- **Regression Test:** Define and build a robust regression test package ready to be automated regardless of tool chosen;
- **Test Automation:** Setup of new automation tool (TOSCA) along with coaching and trainings, implement on digital banking product and Service Now platform;
- **Continuous Integration and Delivery:** Monitoring and guidelines for proper component and component integration testing.



# NON-FUNCTIONAL TEST

**Sector:** Financial Services

**Topic:** Replace IBM system by a Third-party system

## Our approach:

1. Set up a Testing Platform with automatic synchronization between the different testing tools
2. Robust Automation strategy of the different Webservices to strengthen the System Integration Test
3. Automatic regression tests including performance testing, functional and technical tests.
4. Set up reliable and pragmatic communication and coordination with a strong test policy
5. Set up agile train strategy.

## CONTEXT

A large financial services company launched an innovative finance product with a self-service current account that anyone can open, activate online, without income conditions. All the transactions can be done on the digital platform (Web and Mobile Platform). To reach the challenges of the client, we set up a test team of 7 consultants in charge of all testing activities including test automation & performance test activities, in a complex infrastructure in term of data coherence to align 3 different data bases across 3 distinct organizations.

## BENEFITS

- **Environment management:** control and maintain operational test environments and analyze problems;
- **Automation of the test scenarios** and the Webs services tests to emulate final clients as well as intermediate systems;
- **Automatic deployment management on environments** and perform automatic sanity tests after each installation;
- **Performance Tests:** load, stress and performance test (design, script and execute) that can handle data generation while maintaining data integrity.

