

# CASE STUDY OF FUNCTIONAL TESTING TO IMPLEMENT A NEW ERP SYSTEM

## For a well known Chemicals Enterprise

### SNAPSHOT

#### Industry

Manufacturing - Chemicals

#### Business Challenge

- To ensure that the new System enabled all the business processes
- The validation required ensuring proper functioning of all the business processes
- Define the adequate set of business test cases which ensure coverage and completeness of testing
- The users were not used to working with SDLC tools and hence a lot of training was required to take care of the same

#### Omnitech Solution

Functional Testing – Business Process Testing

#### Business Benefits

- Key defects in major business processes identified before the system was made live.
- Enabled a team of business users with proper Testing Processes and tools.
- Key insight provided to upper management by publishing meaningful metrics on periodic basis.
- Influenced go-no go decision for the enterprise wide software.

### Company Overview

The client is a well known specialty chemicals enterprise at the core of the chemical industry that focuses on premium businesses. To this end the client employs an expert workforce with a multitude of different skills worldwide.

The client's operations have a long history, rich with a tradition of research and discovery.

### Business Challenges

The business challenge was to ensure that the new system enabled all the business processes in such a way that all users were used to conducting in the old system. The validation required ensuring proper functioning of all the business processes.

### Technology Challenges

The client was migrating the existing ERP system to a new ERP system from Microsoft called Microsoft Axapta (now called MS Dynamics). There was a need to check the viability of the implementation against existing business processes. The ERP was a client server based system based on Morphx technology.

The larger challenge was in terms of defining the adequate set of business test cases which ensure coverage and completeness of testing. The end users were not used to working with SDLC tools and hence a lot of training was required to take care of the same.

## Solution

A test case generator was created to prepare test cases permutation and combinations from various parameters that influence the business process. A testing process was defined to document the viable permutations and combinations so that Business Users can execute the test cases for the final run. OpenSource freeware tool Bugzilla was installed for defect tracking and a comprehensive training was conducted for management and business users.

The implementation was tested for various business processes during appropriate phase of the release with an established process for Regression Testing and Retesting wherever applicable.

Periodic metrics were circulated to the key stakeholders and the project steering committee to enable Project Management decisions. The final go-no-go decision was enabled via informed decision making derived from metrics published at the end of the overall activity.

The ERP has been working stably for functionality for the last two years with the implementation being extended to more offices outside India after implementation of localization parameters.

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### About Omnitech InfoSolutions :

Omnitech InfoSolutions is an ISO 9001-2000 certified technology services and solutions provider company in the Business Availability and Business Continuity space. The Business Availability services include Infrastructure Management, Application Management and Performance Management services whereas Business Continuity services include Disaster Recovery Consulting and Management, Data Vaulting and Workplace Recovery Services.

Omnitech InfoSolutions is also a world-class provider of turnkey IT solutions like Server & Storage Consolidation, Virtualization, Network Integration Solutions and Data Center Management Solutions, Omnitech provides end-to-end support with guaranteed SLA (Service Level Agreements) in order to optimize infrastructure management and align IT with business goals.

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### Contact Omnitech InfoSolutions today for free consultation

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