

## Case Study

### Problem Statement

Our Client a large manufacturing company had chosen PMAM to perform quality control for their product. The product was a large ERP system automating the entire design, production and packaging life-cycle. In the initial phases, the requirements and specifications were not stable and were undergoing constant change as was the system. To facilitate better change control processes various strategies were put to use for design, development, verification and validation of the system.

### Quality Control

The test plans and test cases needed to be managed for the various releases of the system. This was a challenge since each time a requirement would change the corresponding test case documents need to be traced and necessary changes incorporated. The test plans needed to be in sync with the project plans. QTP along with Test director was used to manage, execute and control the testing processes.

### Solution

QTP was used as a tool to automate and record test scripts and have various variations of input data tested through the system in shortest possible time. Because of the high change rate of releases automation was necessary especially to facilitate regression testing.

Test Director was used to facilitate better integration of the requirements, test cases and the releases of the system. When a requirement changed it was a simple task to identify the corresponding test cases. Test matrix was developed which enabled to ensure complete requirement coverage for the user requirements.

Each test case would go through a review and approval process before being finalized. Once finalized the execution would be done within the test director environment to obtain and analyze test results.

### Benefits

- 1) Smooth management of Test plans and Test cases in a high change environment
- 2) Ensured complete requirement coverage and hence better results of the Quality control team.
- 3) Significantly reduced the amount of testing efforts as a result of a systematic approach

## **QUALITY CONTROL**

PMAM adopted QTP(quick test professional) as a tool to automate and record test scripts and have various variations of input data tested through the system in the shortest possible time ensuring complete requirement coverage and better results of the Quality control team.