

The Challenge

The customer consolidated nine European entities with disparate accounting systems into one central system - Oracle Financials. The implementation was performed by a team of internal IT resources and Oracle consultants on an as needed basis. Tescom was brought in to provide independent testing and validation services.

The client had already implemented Oracle in several locations globally and planned to expand its use to all locations so that a single system would be in place. During that time, there were patches and new enhancements published by Oracle and implemented by the client on a weekly basis. Due to the frequency of changes and the complexity of the application the testing of the application had grown unmanageable.

The client needed to be able to formalize, streamline and accelerate testing in order to minimize man hours every time a change, patch or fix was released.

The Solution

In order to verify and validate that the changes and updates had installed properly and no functional damage had occurred in any part of the integrated system, it was imperative to test the application for operability prior to introducing the changes in the production version. Tescom recommended and implemented a test automation strategy that allowed for an efficient and easily repeatable testing process.

Once the process was in place, the client could focus on the key objectives:

- ★ To provide proper testing with limited resource time,
- ★ Data conversion and verification from legacy systems,
- ★ Patching the existing instances of Oracle, and
- ★ Regression testing for those patches.

The Result

Tescom helped the client by developing a set of automated test scripts for the Order to Cash, Procure to Pay and Accounting to Finance modules. Tescomers created a risk-based, prioritized list of the business processes to be automated for the client. These business processes were translated into manual test cases and automated scripts.

Tescom improved product quality, application reliability and testing efficiency. The automated test scripts could be executed unattended during off hours, freeing up valuable IT resources for non-testing activities.

Traceability was another benefit of Tescom's work: for each test executed, a formal testing log is automatically created. This provided Sarbanes-Oxley compliance for the publicly-traded company in the event of an audit.

Several months after the project was completed, the client claimed that he was "still receiving value from the initial scripts and the foundation created by Tescom."

The Customer

The customer is a publicly-traded company with locations worldwide. This company has over thirty years of experience in the design and manufacture of wireless communications products, satellite and defense solutions.

The customer focuses its unique expertise on meeting the needs of broadband and mobile information users:

- ★ From critical components for secure communications in defense;
- ★ Air traffic control and Search and Rescue tools;
- ★ To mobile RFID technology to aid industrial customers in supply chain and logistics.