

Client:

O2

**Industry:**

Telecommunications

Project:

Automated Test Solution For A Large Enterprise Data Warehouse Development

Programme Duration:

1 Year

Infrastructure:

AB Initio

Quick Test Professional 10.0 (QTP)

HP Quality Centre

Teradata 12/13

Teradata Parallel Transporter

Teradata SQL Assistant

BTEQ

Control M

MicroStrategy

SAS

Linux

The Requirement:

The programme was O2's strategic implementation of an Enterprise Data Warehouse designed to incorporate all vendor feeds into the largest data warehouse in Europe with upwards of 250 million records per day and over 500 feeds from external/internal sources.

The Challenge:

MagenTys were given the task of delivering a test strategy to ensure timely delivery of each feed, without compromising quality. This meant:

- Testing time was limited.
- Resource numbers were constrained.
- The technological environment was highly complex.
- Teams were distributed and silo based.
- Resources needed to understand the Telco industry.
- Resources needed to understand Data Warehousing and testing processes.

The Solution:

- MagenTys championed a test strategy and a clear re-usable test framework which emphasised an iterative approach to testing and development which brought silo based teams together and increased communication and knowledge.
- An automated test harness was designed to increase testing coverage, decrease testing time, reduce resource numbers and deliver a high quality product which was implemented for all testing.
- Definition of Quality Gates with Programme Management to ensure adherence to agreed criteria between the various project delivery leads.

Benefits:

- Improved release cycles through implementation of best practices – hence better control and visibility
- Quicker and more productive test iterations
- Reduction of post deployment defects through testing
- On demand resource management
- Re-usable automated regression test pack
- Effective test management through improved visibility and effective reporting
- Cost reduction