

Birlasoft achieves 50% reduction in Total Cost of Ownership for a Fortune 500 Firm through its ERP implementation service

CHALLENGES

The client required an end to end test coverage of 24 applications. These applications varied from highly complex PLM (MWS) to ALM applications This was made difficult by the Non-existent Unified testing strategy and roadmap coupled with high defects density in UAT. Multiple QC instances running on different versions on non- validated environment increased the complexity of the task in hand. Stringent Timelines, test creation / execution in OQ &PQ environment after dry run and Unavailability of application KT formed the softer challenges.

SOLUTIONS

- Setup Validation Testing team for client with highly skilled resource: 70+ testers + VM
- Multiple Testing Supported: GxP / 21 CFR Part 11, Validation Testing (IQ, OQ and PQ), Mobile Testing, System integration and UAT Support
- Acquired Product Knowledge & created Knowledge Bank: Early engagement of the testing team in the project lifecycle
- Agile Scrum Methodology with stringent SLAs
- Defects reduction by risk based testing, boundary testing & end to end testing
- Unit based pricing / delivery model (1 Unit = 1step)
- Tools used: Rally, HP ALM (with test results screenshot capture)
- Adherence to global healthcare regulations and guidelines (FDA) to meet CFR 21 standards & CFR Part 11 requirements

IMPACT



**100%
COVERAGE**
Of tests and
traceability through
ALM in formal



**100%
COMPLIANCE**
To FDA guidelines



**< 1%
LEAKAGE**
Of defects due to
UAT



**13
APPLICATIONS**
SIT completed per
quarter

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