

2014 Awards of Excellence Nominee



Greg Turco, Owens Corning
Leveraging ALM, PC, UFT for successful SAP migration

Application Lifecycle Management

High-level overview: Using HP, Owens Corning has realized the following benefits:

- Successful migration from legacy SAP 3.1i ERP system to SAP 6.0, integrating ERP and CRM
- Reduce staffing needs for regression and performance testing from 30 people to 3 people
- Redeploy staff to focus on project deliverables vs. testing activities
- Improved testing accuracy, shortened testing cycles, and increase test coverage
- Ensure high performance for end users using SAP to run the business

Company: Founded in 1938 and based in Farmington, N.Y., Owens Corning has continued to grow as a market-leading innovator of glass fiber technology. A Fortune 500 company for 59 years, Owens Corning delivers high-quality products and services to customers around the world.

Contact: Greg Turco is IT Enterprise Architect at Owens Corning.

Business goals: Owens Corning's business challenge was to migrate its core business off its legacy SAP 3.1i ERP system to SAP 6.0, integrating SAP's Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), Transportation Management (TM), and Supply Chain Management (SCM) applications. The company needed testing tools to reduce production defects and mitigate risk of unacceptable production performance.

HP Software products implemented: HP Application Lifecycle Management (ALM); HP Performance Center; HP Unified Functional Testing (UFT). The project encompasses

Application Lifecycle Management; Automation and Cloud Management; and Quality and Performance Validation. Owens Corning's new SAP 6.0 platform integrates ERP, CRM, SCM (Software Configuration Management) and TM (Transportation Management) applications. The company leveraged HP ALM, UFT, and Performance Center to help this migration. Test plans and defects were maintained in HP ALM and SAP Solution Manager, and were centrally located and accessible by all development teams. Automated regression tests were performed integrating HP UFT and SAP TAO (Test Accelerator & Optimizer). Automated tests increased test coverage, improved testing accuracy and shortened testing cycles, using fewer project resources (from 30 IT staff to three). Owens Corning used HP Performance Center in its QA and Production landscape. Load testing was done in the QA environment and performance trending was done in Production. Performance tests reflected impacts on deployments, and detected performance issues early enough to make system and application changes prior to the go-live.

Benefits: Ensure high performance for end users using SAP to run Owens Corning business. Improved testing accuracy; shortened testing cycles (faster time-to-market); reduced use of project resources. Previously, it took 30 people to perform regression and performance testing. Now it takes three. This results in substantial cost savings and enables Owens Corning to redeploy IT staff to focus on project deliverables instead of on testing activities.



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