

ERP Modernization and Optimization

Background

Walsh Construction Company is a Chicago-based general contracting, construction management, and design-build firm. Walsh is recognized as the largest construction firm in Chicago according to Crain's Chicago Business. rSTAR helped Walsh with an entire ERP modernization and optimization initiative, lowering operational costs and enhancing productivity.



Client Needs

Walsh was in the midst of upgrading their ERP, which also required upgrading to a secure cloud platform. rSTAR helped Walsh migrate their ERP while also strengthening its infrastructure and core functionality.

Walsh faced some of the following challenges:

- **Short Timeline:** An aggressive up-grade timeline, due to the ERP software's phase-out
- **Globalization:** Impending higher domestic and global usage Optimization requirements to maximize their ERP investments
- **Scalability** requirements to utilize the full potential of the application infrastructure
- **Need to Capture** vital operational metrics and performance analytics
- **Critical Security:** Security requirements to solve known performance, security & scalability issues with respect to database, middleware, infrastructure, single sign-on and password synchronization

The Solution

rSTAR used its Application Planning and Migration Methodology (APMM), as a service to uncover all the complexities involved with the ERP upgrade and application migration. Our approach was to work with Walsh through these challenges and come up with a solution that works and is scalable for future growth. With our analysis and conclusive recommendations, rSTAR was able to implement and enforce optimized application behavior, both from an application performance standpoint as well as an infrastructure perspective, including enhanced load balancing and streamlined SSL communications.

Execution of our methodology ensured that we took into account an anticipation of the potential unforeseen issues ahead of time. rSTAR was able to correct unwanted application behavior and establish appropriate monitors in place to proactively handle them.

rSTAR's migration methodology helped Walsh successfully migrate their ERP application environment to a more stable, scalable and optimized application architecture.

Effective Results

- **Lower Operational Costs:** The newly upgraded ERP has resulted in improved performance and application stability
- **Quicker Response:** Reporting tasks, response times have improved with clear visibility and detailed analytics
- **Enhanced Productivity:** With improved application stability, Walsh can now focus on enhanced user functionality, rather than operational costs
- **Preparedness & Analysis:** The proactive monitoring put in place by our team has helped Walsh identify and quickly prevent larger problems and application behavior issues
- **Successful Completion:** rSTAR helped Walsh migrate successfully on-time & in budget.
- rSTAR helped Walsh build a robust application platform that can be used today, as well as into the future, as business needs change over time.