



SOLUTION REVIEW: ASHGHAL

Government public works authority deploys a centralized, integrated, single-source-of-truth solution to increase project management efficiency

ABOUT ASHGHAL

Ashghal was established in 2004 as the public works authority of Qatar, designing, constructing, and managing all infrastructure projects and public buildings in the country. Ashghal adheres to Qatar National Vision 2030 and manages port, logistics, and road network projects contributing to the economic and social development of the state. Its business units include infrastructure affairs, asset affairs, building affairs, technical support affairs, and shared service affairs. Each business unit contains multiple departments, for example, engineering services and highway projects.

THE CHALLENGE

Ashghal's large portfolio of engineering capital projects worth more than 100 billion Qatari Riyals (\$27.4B) is spread across many departments. Several systems were used to manage individual processes at different steps along the project-management lifecycle. Without a single, unified platform to manage and share project information with stakeholders across the different departments, efficiency was lost, and risk increased. The systems lacked integration, limiting the ability to share project data, and the legacy systems were outdated, which created issues with providing full automation for certain business processes, for example, end-to-end payments and handling variation/change orders). In addition, no solution existed to showcase consolidated reports and dashboards across the organization. Ashghal needed a centralized, integrated solution to automate project management including planning, estimating, contract management, cost control, payments, and document management. It also needed 360-degree dynamic project progress and status reporting with stakeholder-specific dashboards.

THE SOLUTION

Gaea created a custom solution for Ashghal using Oracle Primavera Unifier, Primavera P6 EPPM, and Primavera Analytics. 54 business processes were built for highway projects and engineering services departments. 110 projects are now being managed in the system, and additional projects will be added after the solution is expanded to other departments. 33 reports were built to track project progress and KPIs. The solution was integrated with existing systems including Oracle ERP and Ashghal's internal, proprietary application, Moazanah. Ashghal's new solution provides a single source of truth for all project management information, increasing cost control and project visibility, and reducing risk and rework. This solution is also being rolled out with additional department-specific customizations to create a central project-management repository.