

CASE STUDY

Project Management Information System

Lower Colorado River Authority required a successful implementation with excellent design, deployment, training, and support. DRMcNatty implemented a two-step phased approach that did include Phase 1 – Proof of Concept (POC) and Phase 2 – PMIS Initial Implementation.

CLIENT



PROJECT

Project Management Information System (PMIS)

LOCATION

Colorado

SERVICES PROVIDED

Implementation
Training

TOOLS

Oracle Primavera P6
EPPM
BI Publisher
PeopleSoft
Tableau
Maximo



OVERVIEW

LCRA's Project Management Information System (PMIS) is a collection of software that supports project management and reporting needs such as project schedules, resource assignments, and project costs, using Microsoft Project 2013 as the foundational tool with a dedicated SharePoint 2013 instance. Microsoft Project 2013 has reached the end of mainstream vendor support. Although LCRA has an extended support contract in place through 2023, being out of mainstream support means that LCRA receives security patches but no functional advances and the quality of support services will decrease over time. The primary goal of Phase 1 of this project is to complete a proof of concept to evaluate a replacement for MS Project with a more robust scheduling tool that will meet the business needs of LCRA's current and future project portfolio.

CHALLENGES

LCRA needed an integrated system to manage project schedules, resource allocation, and PeopleSoft financials more accurately. LCRA needed a solution to replace the current MS Project capabilities and provide additional inter-project dependencies, risk management, issue management, and portfolio management features. In addition, LCRA will need a custom ETL interface with PeopleSoft that will provide visibility to Actual Costs with the time-phased data in Primavera and forecast costs returned to PeopleSoft.

SOLUTION

DRMcNatty used to a two-step phased approach that included Phase 1 – Proof of Concept (POC) and Phase 2 – PMIS Initial Implementation.

Phase 1 – POC:

- Build and deploy a managed hosted environment for P6 EPPM, P6 Professional, and BI Publisher as a test environment
- Convert and import 30 MS Project files to match P6 templates
- Match CBS (Cost Breakdown Structure) data in test projects to LCRA PeopleSoft Project Costing module
- Training of business unit and division leaders
- Develop best practices and roadmap of software tools and recommendations



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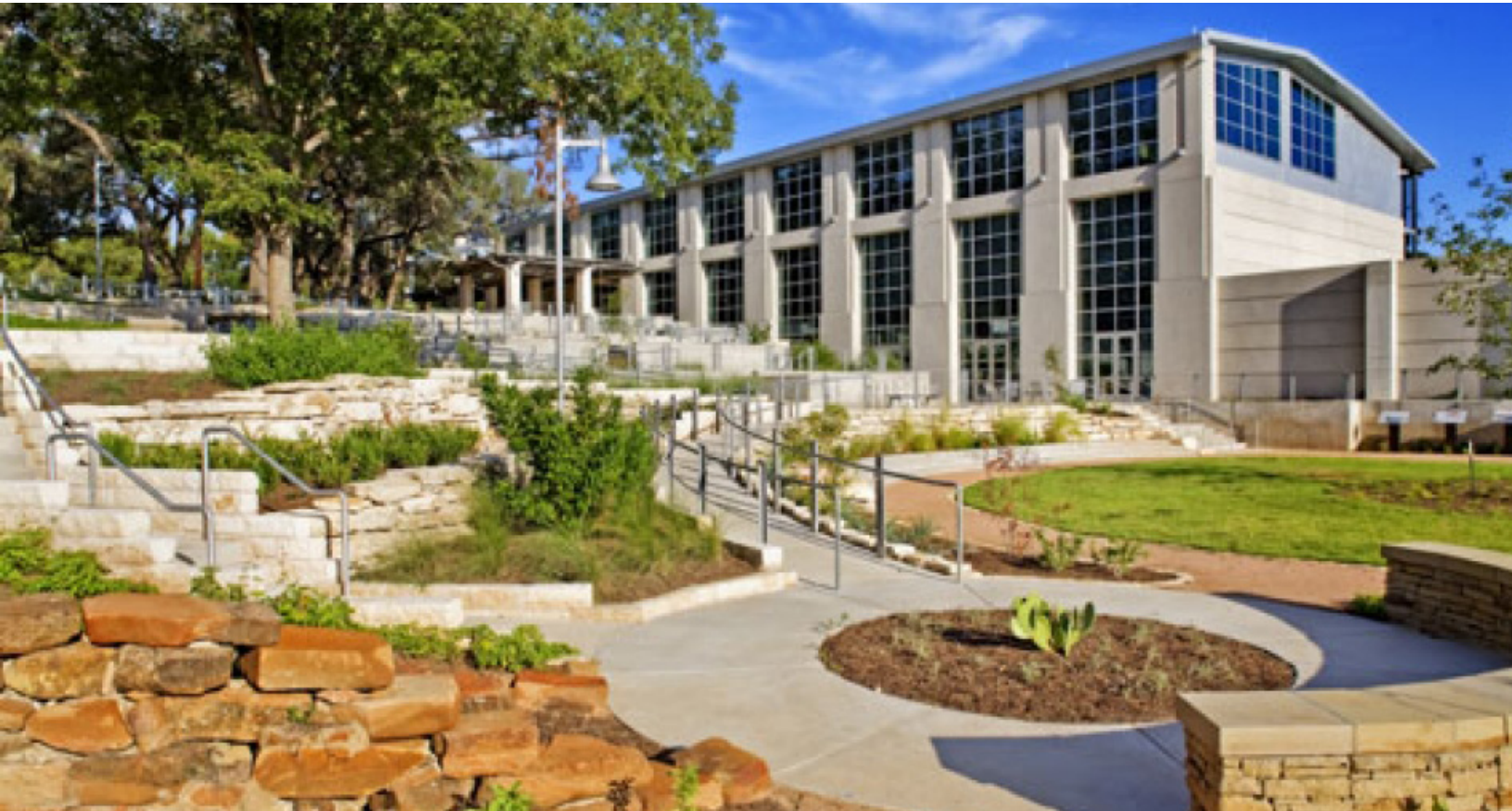
CASE STUDY

Phase 2 – PMIS Implementation:

- Upgrade and test managed hosting environment to a full specified production environment
- Convert and import all remaining 350 MS Project files based on POC directives and specifications
- Training remaining staff of 100 engineers, project managers, and schedulers
- Update all status reports, best practices, and roadmap recommendations

RESULTS

DRMcNatty delivered an integrated system that allowed LCRA to manage project schedules, resource allocation, and PeopleSoft financials more accurately. Primavera native functionality for scheduling and resource management replaces the current MS Project capabilities and provides additional inter-project dependencies, risk management, issue management, and portfolio management features. DRMcNatty's custom ETL interface with PeopleSoft provides visibility to Actual Costs with the time-phased data in Primavera and forecast costs returned to PeopleSoft.



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