

Project and Construction Execution Solution Brief

Whether it's a shopping center, an airport, or a bridge, engineering and construction projects are a complex jumble of schedules, budgets, data, workflows, supplies, and players—all of which must work together in a precise choreography. Completing a project successfully requires two things: integration and cost and schedule delivery.

When cost and schedule delivery are integrated across the organization—from the front office to the job site—corporate goals and strategy are aligned with actual day-to-day business operations. There is visibility and transparency. Project expenses can be reliably forecasted because accurate, up-to-date information is accessible to everyone from the time contracts are created. With real-time data, unforeseen changes in schedule, personnel, or expenses can be managed in time to prevent major problems.

This solution brief will discuss how Oracle's Project and Construction Execution Solution for integrated cost and schedule delivery improves project coordination, control, and consistency. Uncertainty is inevitable in the construction environment, but with improved coordination between all the players, tasks are tracked and resources are managed more effectively. Increased efficiencies eliminate the waste that adds up costs, drags out schedules, and compromises quality. Integrated scope, schedule, resource, cost, contract administration, and risk management brings improved project control.

Project and Construction Execution Solution unites the front and back offices and the field. Organizations gain a holistic view across the business that shows not just how one project is being done, but how all projects are being done. Project integrity is maintained and compliance is assured. And after each project is completed, the lessons learned can be used to develop best practices so that success stays consistent, with repeatable processes and predictable results.



Designed for engineering and construction, Project and Construction Execution Solution improves project coordination, control, and consistency by delivering all of the five tenets of integrated cost and schedule delivery:

- Cost and Contract Management
- Schedule Management
- Financial Management
- Lean Construction
- Reporting and Analytics

Cost and Contract Management

Project and Construction Execution Solution gets project teams organized and coordinated right from the start—when the contract is created. Built for a fast ramp-up, it brings together proven engineering and construction best practices with preconfigured user friendly forms, reports, and workflows. Project teams can get up to speed quickly, sharing information with stakeholders and managing changes. Contract documentation and controls ensure that everything is tracked, managed, and cataloged. Accurate and efficient record keeping means that all parties are informed and budgets stay on track.

Instead of developing their own business processes when work is awarded, organizations can rapidly deploy a secure, cloud-based contract management system for a faster time to value. With cloud technology maintained by Oracle, IT costs are reduced while agility is enhanced. As project needs change, the solution can be easily extended to bring new subcontractors, employees, and customers on board.

Most organizations handle multiple projects at once. Each project can have hundreds of submittals in progress. Project and Construction Execution Solution provides comprehensive tracking of each submittal to ensure that appropriate action is taken. Role-based dashboards provide the project

CONNECT WITH US

-  blogs.oracle.com/epmm
-  facebook.com/OraclePrimavera
-  twitter.com/oracleppm
-  oracle.com/primavera

FOR MORE INFORMATION

Contact North America: 1.800.423.0245

United Kingdom: 1.44.0.870.8.768711

details necessary to make decisions and keep projects on schedule and within budget.

Schedule Management

As projects move from the contract to the scheduling phase, the business processes are already in place for a successful hand-off to project management teams. With data and workflows integrated into the scheduling management system, organizations immediately see the impact of every RFI and change order on the construction schedule.

Project and Construction Execution Solution puts real-time contracts and cost and schedule information into one powerful system that covers the full project management lifecycle. Industry best practices give organizations increased project management efficiency and speed to deliver on schedule or to expedite project delivery when necessary.

With functionality based on each user's responsibilities, team members can effectively track, manage, and mitigate change. Project teams can easily collaborate on tasks and communicate status updates, issue resolution, and scope changes. Greater visibility into resource demand means that any potential conflicts are apparent to managers, eliminating unexpected delays and maximizing resource use.

Further, the solution helps ensure an organization's future profitability by enforcing rigorous processes and workflows that make project management success consistent and repeatable.

Financial Management

A lack of integration between financial management and operational management risks corporate profitability. Without access to the latest financial data, budgets and forecasts are created with inaccurate or out-of-date information, leaving organizations open to risk and potential mitigation.

Project and Construction Execution Solution integrates financial data with project delivery and controls for a consolidated view across projects. From the field to the back office, organizations gain the financial visibility critical for first-rate project management.

CONNECT WITH US

-  blogs.oracle.com/epmm
-  facebook.com/OraclePrimavera
-  twitter.com/oracleppm
-  oracle.com/primavera

FOR MORE INFORMATION

Contact North America: 1.800.423.0245

United Kingdom: 1.44.0.870.8.768711

Workflows provide built-in financial discipline to improve financial precision and results. Organizations can monitor performance across multiple projects all the way to completion and take action when needed to keep costs on track.

Lean Construction

Many construction and engineering firms have adopted lean practices to increase efficiencies, eliminate waste, and improve quality. Transforming business practices for lean project delivery requires the tools to support them. A disconnect often happens in the field, where the actual work of construction takes place, but workers lack the tools to resolve issues efficiently.

Project and Construction Execution Solution brings project management workflows and data into the field. Integrated with the project management system, the lean project delivery solution provides a shared, single system view of schedule and execution details and real-time updates to keep everyone in sync.

When an activity is ready to be executed, it automatically flows from the project management system into an online white board that provides at-a-glance visibility to the entire project team. Virtual sticky notes go beyond checklists to supply precise, real-time job details.

Visual dashboards support quality collaboration. Job site employees can quickly see what needs to be done and how, request clarifications, and communicate details with email notifications and attachments. Teams stay on top of changes with instant status updates. Detailed audit trails provide activity history. Mobile applications enable workers to stay informed no matter where they are.

Project and Construction Execution Solution simplifies planning and ensures that jobs are done correctly, reducing waste and rework. With relevant task details at their fingertips, employees can make better decisions. All of which helps organizations reap the benefits of lean construction.

CONNECT WITH US

-  blogs.oracle.com/eppm
-  facebook.com/OraclePrimavera
-  twitter.com/oracleeppm
-  oracle.com/primavera

FOR MORE INFORMATION

Contact North America: 1.800.423.0245

United Kingdom: 1.44.0.870.8.768711

Reporting and Analytics

Is your organization getting the right mix of projects? From the right kind of customer? At the right project margin?

The solution takes reporting to the next level, with built-in analytics that help engineering and construction firms understand their profitability at a glance. With powerful analytics, organizations can uncover deep insights into performance and trends across all projects to ensure that projects align with strategic business objectives.

Integrated financial reporting and analytics reduce the amount of time needed to produce company reports. Preconfigured reports can be customized to meet individual business requirements.

Project and Construction Execution Solution provides the transparency to proactively manage your business. With prebuilt analytics and dashboards based on best practices, organizations can track budgets, cost variances, and project changes and then analyze comparative trends and cause and effect among multiple projects. Early warning indicators keep projects on track by providing alerts in time to take corrective action.

Conclusion

Oracle's Project and Construction Execution Solution for integrated cost and schedule delivery helps ensure project success by uniting business processes and data from the time a contract is created to when work is completed at the job site. Oracle is the only company offering an integrated cost and schedule delivery solution from a single vendor.

CONNECT WITH US

-  blogs.oracle.com/eppm
-  facebook.com/OraclePrimavera
-  twitter.com/oracleeppm
-  oracle.com/primavera

FOR MORE INFORMATION

Contact North America: 1.800.423.0245

United Kingdom: 1.44.0.870.8.768711