

Optimizing your supply chain to keep your projects on-track

Getting the right quantity of the right stuff to the right place at the right time

This may sound simple, but with the many moving parts on a project, to help ensure you don't have idle crews waiting for materials, that the vendors adhered to any design changes so the materials that arrive are correct, and that the materials are received and accounted for at the right place for crews to access them, is no small feat.

Clear, integrated, and tracked coordination across engineering and design, project management, procurement, vendors, and the field is essential.

Connected processes and systems

From a process and solution standpoint, disconnected ERP, project management, scheduling, and supply chain management systems, often peppered with offline communication and spreadsheets, frequently lead to breaks in the process. The resulting incorrect quantities, specifications, and timing of materials can then lead to project delays and associated costs, both from idle crews, and ultimately the organizational costs associated with delivering projects behind schedule. Opening a manufacturing facility, utility, or data center late, leads to lost revenue.

Oracle Primavera Unifier, leveraging its connected process architecture and native integrations with market leading scheduling solutions, Primavera P6 and Oracle Primavera Cloud, can act as the central hub to manage the required internal and external workflows, cost control, cashflow, deliverables, contracts, and changes.

Further taking advantage of Primavera's robust integration capabilities, including RESTful APIs and embedded Oracle Cloud Infrastructure integration services, critical connections are made between Primavera Unifier, an ERP system, and supply chain solutions. Here we will use Oracle Fusion Cloud ERP and SCM as examples. This integrated solution brings together all aspects of the project supply chain, from project processes to organization level finance and supply chain management.

Increasing visibility across functions and phases

Beginning with project initiation and moving through bid assessment, contract management, and materials management and installation, it is critical to integrate systems to connect individuals, processes, and data to reduce errors, improve efficiency, and prevent schedule delays. This alignment and synchronization between your supply chain and project priorities supports on-time, on-budget project delivery.

Project initiation

Through this integration between Primavera Unifier and Oracle Fusion Cloud ERP, projects are created in Primavera Unifier, then the project ID is sent to the ERP system to tie the project together across the two systems, synchronizing project information and eliminating the time consuming and at times error-prone process of offline reconciliation between the systems.

Leveraging the native integration between Primavera scheduling and Primavera Unifier, along with the integration between Primavera Unifier and Oracle Fusion Cloud ERP, critical supply chain demands, and delivery dates will flow throughout the integrated systems to ensure both project teams and supply chain teams are in sync.

The project engineering bill of materials developed in Primavera Unifier connects to Oracle Fusion Cloud Supply Chain Management (SCM) to align demand with supply and keep any changes in synch. Vendor Management is connected between the front-end project system, Primavera Unifier, and the back-end ERP solution, enabling data flow, again helping to ensure everyone is working from the same, most up to date information.

Project planning and procurement

Leveraging Primavera scheduling expertise, Primavera Unifier supports scheduling from within the Unifier Activity Sheet and the solution's native integrations with market leading Primavera scheduling solutions, P6 EPPM and Oracle Primavera Cloud. Primavera Unifier creates Construction Work Packages or other means of packaging work, including the associated material requirements. These elements within Primavera Unifier then tie to the material planning, procurement, and organizational financials within the ERP system, where the actual checks are cut, and financial changes are reflected.

Project execution and costing

Required materials can be broken down into installation work packages (IWPs) or other types of packages within Primavera Unifier. All project materials requirements, including IWPs and ad hoc materials requirements, come from Primavera Unifier. All material needs/requests are pushed from Primavera Unifier into Oracle Fusion Cloud SCM and ERP for supply chain planning, receiving, inventory management, and project accounting and financial management.

Integrated systems connect process and unify data to help ensure a consistent and predictable supply chain and on-time project delivery.

To learn more about managing your project supply chain using an integrated Primavera Unifier solution, please [request a demo](#).

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