ORACLE
Supply Chain
Management Cloud
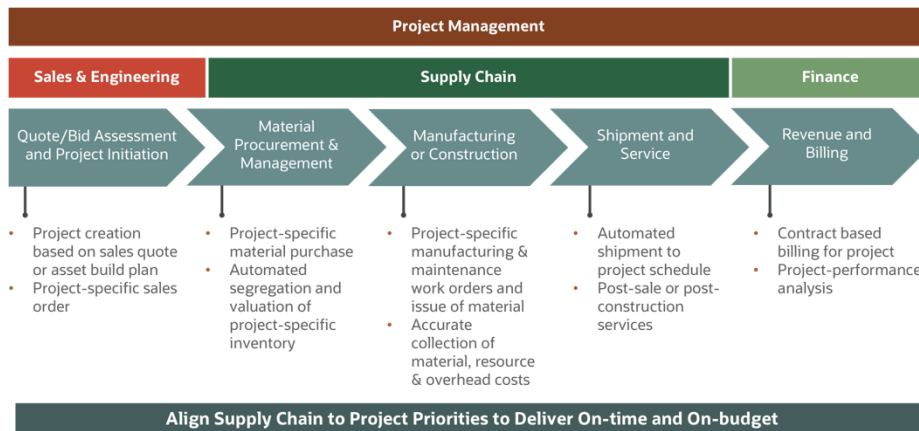
Oracle Project-Driven Supply Chain in the Cloud

Project-Driven Supply Chain (PDSC) is an end-to-end solution across Oracle's SCM Cloud and ERP Cloud applications. This solution is designed to support those business processes of **manufacturing and asset-intensive companies** that require supply chain processes to work in context of a specific project. Examples include Telecom network build out and maintenance; high-tech and industrial turnkey installations; as well as the delivery of complex products and services to unique customer requirements.

In such cases, all activities of supply chain, including order **management, procurement, material management, manufacturing, sales and service, are segregated by a specific project.** This ensures end-to-end integrity of supply and their associated costs.

An integrated project-driven supply chain solution benefits sales, project management, design and engineering, logistics, manufacturing, and finance functions, resulting in improved operations efficiency and company profitability.

Key Business Benefits

- Improved revenue and customer satisfaction with effective project execution
- Control project risks through end-to-end planning, execution, and visibility
- Provide turnkey solutions
- Servitize sale of differentiated products
- Serve multiple contract manufacturing engagements from one plant
- Expand business by building assets on time

Project Management				
Sales & Engineering	Supply Chain			Finance
Quote/Bid Assessment and Project Initiation	Material Procurement & Management	Manufacturing or Construction	Shipment and Service	Revenue and Billing
• Project creation based on sales quote or asset build plan • Project-specific sales order	• Project-specific material purchase • Automated segregation and valuation of project-specific inventory	• Project-specific manufacturing & maintenance work orders and issue of material • Accurate collection of material, resource & overhead costs	• Automated shipment to project schedule • Post-sale or post-construction services	• Contract based billing for project • Project-performance analysis

Align Supply Chain to Project Priorities to Deliver On-time and On-budget

Key Features

- Segregate and Manage Project-Specific Inventory
- Receive Project-Specific Supply
- Pick Project-Specific Inventory
- Ship Project-specific Inventory
- Transfer Project-Specific Inventory
- Purchase Project-Specific Inventory
- Execute Project-Specific Manufacturing
- Perform Project-Specific Maintenance
- Plan and execute project-striped supply chain without project financials

FLEXIBILITY TO RUN YOUR BUSINESS

Project-specific execution often requires that inventory be segregated and valued by project to comply with the sales contract. Also, that the costs associated with supply chain activities be captured as project expenditures and billed based on the rules in project contract. Project-Driven Supply Chain solution allows you to accomplish this segregation within each organization. This enables you to simultaneous support all supply chain processes for each project, within each organization (or combination of organizations). Project-enabled organizations can also simultaneously support non-project striped material and processes, further enhancing your flexibility.
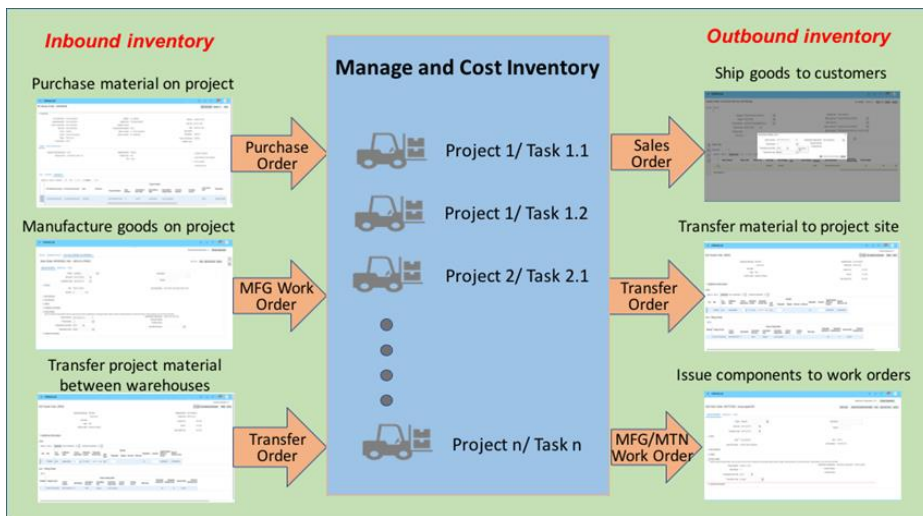
You can also use PDSC in an asset-intensive context to manage the build of assets such as cellular networks or gas pipelines, while conforming to the budgets and schedule of a corporate plan, while complying with regulatory requirements.

As noted PDSC is a pervasive capability spanning all aspects of Supply Chain, from Procurement to Inventory to Manufacturing to Ordering to Shipping to Costing – as well as integration to ERP Projects and Project Accounting. It is a powerful extension to Oracle Supply Chain Management Cloud, illustrating the deep digital integration of Oracle's overall Cloud solutions, and will deliver benefits to many customers, industries and use cases.

EFFECTIVE PROJECT EXECUTION

SEGREGATE, VALUE, AND MANAGE INVENTORY BY PROJECT

Either to comply with contracts or for operational alignment by projects, you want to manage project-specific material for multiple projects without having to create separate inventory organizations for each project. You often procure materials specifically for projects at project-specific price quotes. Therefore, you want to track the materials and their valuation by project. To ensure the segregation of project-specific material through the entire lifecycle through the warehouse, you need the ability to automatically – without manual intervention – receive, pick and ship project-specific material by project.

With the PDSC solution, you can maintain and manage project-specific inventories without having to create separate inventory organizations and conform to project quotes and contracts by maintaining project-specific valuations. You also improve your operational efficiency and save labor costs by automatically receiving, picking, and shipping material on projects without manual intervention.
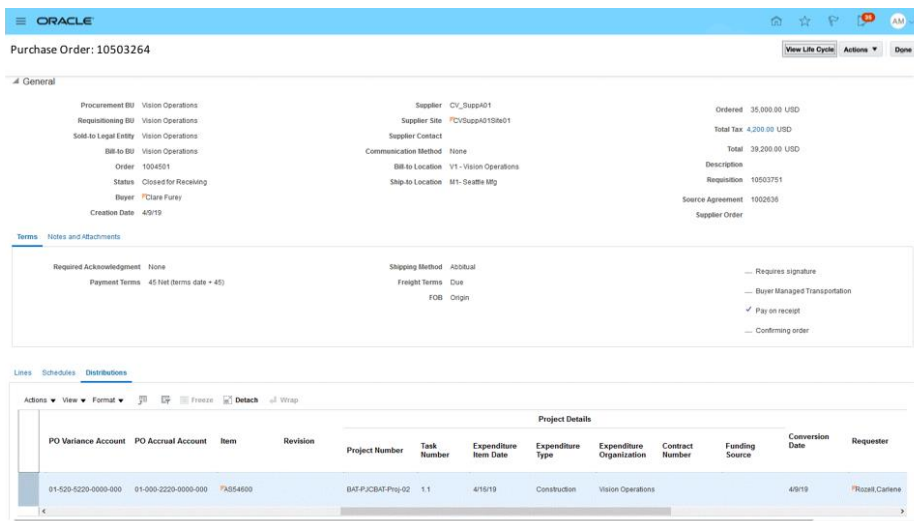
TRANSFER PROJECT-SPECIFIC MATERIAL

In a project-driven supply chain, you need the ability to transfer project-owned material from the point of storage to the point of use on demand and ensure that it remains segregated through the moves. You also want to make sure that when material is transferred in or out of a project, its costs are either properly accounted on the project.

With the PDSC solution, you can reduce the capital tied in stored inventory and expedite project schedule by maintaining central warehouses and transferring material to points of use to when required on a task.
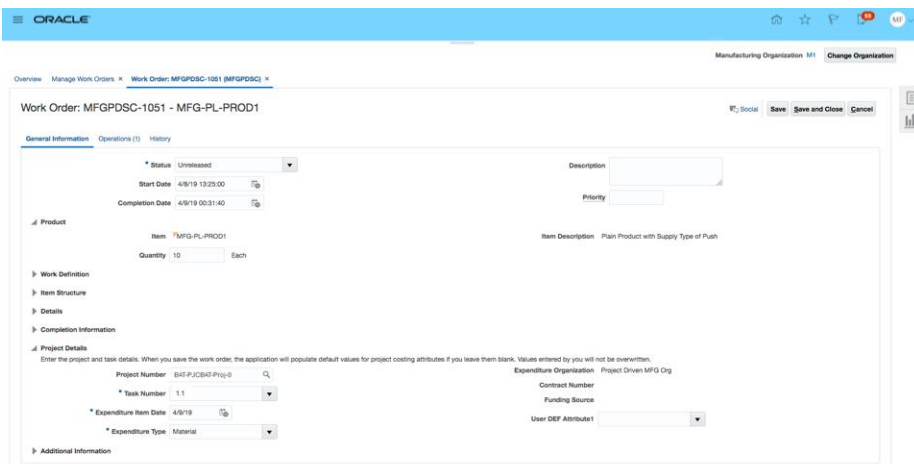
PURCHASE MATERIAL ON PROJECT

You typically purchase project-specific material to satisfy project demand. Project-specific purchase orders ensure that the cost of the purchase is charged to the project, project-specific supplier agreements are honored, and the material is received into project inventory.

The PDSC solution will enable you to automate the purchase of project-specific materials for multiple projects at project-specific prices.

MANUFACTURE GOODS ON PROJECT

When you use a manufacturing plant and its resources to serve multiple projects, executing each work order in context of a project is essential to ensure that the right material and resources are used and manufacturing costs are allocated to the right project. You also want to ensure that only the eligible raw material and sub-assemblies are used in project-specific manufacturing work orders and completed products are put away into project-specific inventory.

Manufacture on project with project-owned components and capture cost as project expenditure

PDSC will enable you to compartmentalize your manufacturing operations to serve multiple projects from a common set of resources in a plant. It enables you to service multiple customers on projects, manufacture products that require deal-specific R&D or services, or manufacture assets for corporate use.

Related Products

- **Oracle Order Management Cloud** centralizes and standardizes your order fulfillment across multiple sales channels.
- **Oracle Procurement Cloud** Integrates sourcing, contracts and purchasing of goods and services.
- **Oracle Manufacturing Cloud** streamlines global, mixed-mode manufacturing operations, simplifies shop floor execution and controls quality and costs.
- **Oracle Maintenance Cloud** allows companies to optimize maintenance schedules and improve operation efficiencies to reduce cost and risk.
- **Oracle Project Management Cloud** shares order forecasts with suppliers and collaborates on their supply commitments.

MAINTAIN ASSETS ON PROJECT

When the resources of an organization perform maintenance activities on several projects using project-owned material and you want to capture all costs as project expenditures, you will use this feature of the Project-Driven Supply Chain solution.

PDSC enable you to compartmentalize your maintenance operations to serve multiple projects from a common set of resources in an organization. It enables you to service multiple maintenance contracts on projects and invoice the customers based on the terms of the contract, rather than the cost of the maintenance work.

EXECUTE PROJECT-SPECIFIC SUPPLY CHAIN WITHOUT PROJECT FINANCE

When you perform supply chain operations on multiple contract from the same organization, you need to segregate your supply chain inventory and activities operations by project simply to avoid comingling of materials and other costs. In these cases, you do not need to maintain budgets, commitments, costs, and revenue in a project entity. In these cases, you maintain supply chain costs in supply chain and invoice from order management upon shipment.

PDSC will enable you to compartmentalize your supply chain operations to serve multiple projects from a common set of resources in an organization.

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