

Project Work Order



Project-driven companies continue to discover the power and flexibility of the Microsoft Dynamics SL *Project Series*. When the planning and handling of materials is required, knowing that you have sufficient stock and when that stock will be available is a requirement for the efficient scheduling and management of your project.

Benefit

Sandler•Kahne's *Project.Work.Order (PWO)* provides project-driven companies with vastly improved planning for and control over inventory and resource usage on Project Controller projects and tasks. Material usage visibility, with time sensitivity, gives you tremendous control over your management of inventory. Where streamlined work-in-process tracking is important, Project Work Order adds significant power to the already powerful Microsoft Dynamics SL Project Series.

For Non-Manufacturers ...

Whether your business is landscaping or bridge building, *PWO* will help you keep your costs down and maximize your profits. Are you a systems integrator? If so, Project Work Order will help you make sure that you have sufficient inventory quantities when the time comes to send a crew out to your customer's site.

Indeed, if:

- You run your business in a project-driven fashion, and
- You want to track work-in-process, and/or
- You consume inventory on your projects, and
- You would like visibility of future material requirements for those projects to help you make better purchasing decisions, and
- You are considering (or have already selected) the Microsoft Dynamics SL Project Series,

... then *Project.Work.Order* may be just what you are looking for!

... or for Manufacturers

Used in conjunction with the Microsoft Dynamics SL Work Order and Bill of Materials modules, possibly along with Sandler•Kahne's *Shop Floor Control*, *PWO* provides a complete and comprehensive solution for the project-driven manufacturer.

Built by the authors of the Microsoft Dynamics SL Work Order module, *Project.Work.Order* is designed to work in concert with work orders that are created to manufacture sub-assemblies or finished assemblies.

If you are using Microsoft Dynamics SL's Work Order module to address your manufacturing needs, you will already be familiar with the operation of most of the functionality of *PWO*.

How can you tell if *Project.Work.Order* will be a good fit for your company? Simple. If the criteria for non-manufacturers rings true for you, and you are (or will be) using Microsoft Dynamics SL Work Order to build subassemblies for your final product, the answer is a resounding **YES!**

Designed for Microsoft Dynamics SL™ Project Series

- Material Planning and Control
- WIP Tracking
- Budgeting and Budget Revisions

Also works with:

- Work Order
- Work Order Procurement
- Project Resource Estimating & Planning (PREP)™

Project Work Order Entry (PW.260.00)

Work Order ID: 000001 Washington Botanical Gardens

Customer ID: C300 School of Fine Art Company: 0060

Contract: EN-123 Processing Stage: Released

Sales Order: 00005121 Status: Active

Start - End Dates: Plan: 11/14/2002 - / / Actual: / / - / /

Tasks | Budgeting | WIP Tracking | Other Information

Task Detail (F4 - for grid/form view)

Task	Description	Processing Stage	Total Cost	WIP Relieved	WIP Balance	Pct. Relieved
1 01-	Site Survey	No Mat/Routing	0.00	0.00	0.00	0.000
2 02-	Design	No Mat/Routing	0.00	0.00	0.00	0.000
3 03-	Engineering	No Mat/Routing	0.00	0.00	0.00	0.000
4 04-01 -	Erect Building One	Released	953.73	80.00	873.73	8.000
5 04-02 -	Erect Building Two	Released	396.59	223.30	173.29	56.000
6 05-	Landscaping	No Mat/Routing	0.00	0.00	0.00	0.000
7						
8						
9						

Material Req/Issues (3)... Routing (0)... Quick Print Traveler W/O Inquiry... Event History...

Info... Task: 0401, Erect Building One, Released SYSADMIN - 03/11/2003 - 22:35 0060 SYSADMIN 6/9/2003

Enabling a Microsoft Dynamics SL Project as a Project Work Order allows you to allocate inventory, automatically update Budget and/or EAC revisions and manage WIP on a task-by-task basis.

Are you building large-ticket, multi-level items that take you time to manufacture? Could you benefit from applying project-management concepts to the building of your final product? Do you need to manufacture subassemblies to fulfill requirements for your final product? If your answer to these questions is “yes”, then the following modules will help you attain your goals:

- Microsoft Dynamics SL Bill of Materials
- Microsoft Dynamics SL Work Order
- Microsoft Dynamics SL Project Series
- Sandler•Kahne *Project.Work.Order*
- Sandler•Kahne *Work.Order.Procurement*
- Sandler•Kahne *Project.Resource.Planning*
- Sandler•Kahne *Shop.Floor.Control*

Inventory Integration

PWO’s Planned Inventory Position reporting and Microsoft Dynamics SL Inventory’s Available-to-Promise inquiries provide for the visibility of your inventory position on a date-specific basis. Information on the plans and actions specific to *Project.Work.Order* is fed to the Inventory system. This information, along with related plans and actions throughout the Microsoft Dynamics SL Distribution series, provides for comprehensive visibility at your fingertips. Using the Inventory module’s Inventory Status Inquiry, a few clicks of the mouse puts

you in touch with all plan and action details for project work orders, manufacturing work orders, sales orders, and purchase orders.

Available-to-promise, inventory position by site, cost layers, and transaction detail is available from this powerful inquiry.

Non-Inventory Material

If you’re using Sandler•Kahne’s *Work Order Procurement* module, items that are not defined in Inventory may be purchased directly for the Project Work Order, but still controlled as though they were.

Budgeting/Budget Revisions

Changes to the Material List can optionally update the Project Budgets. If the Project Budgeting module is being used, then these changes can also update Budget Revisions. Support for Contract Management change orders is also part of this feature.

Work-In-Process Tracking

You may optionally collect all costs in work-in-process on a PWO by PWO basis. The control to relieve WIP at the Task or PWO level provides for automatic synchronization with the general ledger, and on-demand reporting of that synchronization.

Project Work Order delivers these additional features:

- Integration with the Microsoft Dynamics SL Project and Distribution Series
- Use of special inventory items to facilitate automatic cost application
- Time-phased allocation of inventory
- Staging control of Tasks
- Lot/Serial support
- Work Order Inquiry

Sample Reports include:

- Shop Packet
- Planned Inventory Position (projected onhand inventory balance for a given date)
- Work Order Profitability
- Work Order Status
- Component Shortages

Available on these Microsoft Dynamics SL Versions:

- Microsoft Dynamics SL v6.5, 6.0, 5.5sp3

Business Issues

How This Flexible Product Can Help

I need to plan for and reserve inventory to one or more tasks on one or more projects.

Allocate inventory on a time-sensitive basis

You can predefine the inventory items that are required for a given task, and specify the date the material is required. This information feeds the Planned Inventory Position and Available to Promise status, helping to drive the purchasing process.

I must be able to capture any cost associated with production.

Uses Project Controller cost-capture methods

A Project Work Order is actually a standard Project Controller project that has been enhanced to allow for planning and control of inventory consumption. Therefore, with the exception of issuing inventory, costs are collected exactly as with a standard Project Controller project/task.

I need to return material or borrow from one order to satisfy another.

Material transfers & returns

Project Work Order allows you to transfer material from a task on a project work order back to stock (any location), to another task on the same or different project work order, to a project/task, a manufacturing work order, or to scrap.

It is important that I be able to readily identify serialized components used on a particular task.

PWO tracks lot/serial numbers

Whether a serialized item was simply used on a task, or was transferred, then transferred again, PWO will keep track of that information for you.

How important is it to know what happened?

Event History

Every event that is triggered by the Project Work Order module is recorded in a detailed audit trail, including the “who, what, where, when, and why” of the event. This powerful tool can help you minimize costs and increase revenue by providing the information needed to correct mistakes and accelerate training.



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