

Content Profile

Preventative Maintenance

Learning Experience for DELMIAWorks

Our self-paced, virtual and extensive portfolio contains several modules regarding:

Preventative Maintenance

This manufacturing maintenance solution reduces the chances of malfunctions, ensures quality performance and extends the "productive" life for valuable equipment in your company.

DELMIAWorks MRO modules provide the tools necessary to plan, schedule and track complete maintenance, repair and overhaul programs for machines, tools, dies, auxiliary equipment, gages, buildings and more.

Maintenance, Repair, Overhaul

Our MRO module provides the tools necessary to implement a complete maintenance program. Designed to help protect your tools and other equipment by automatically generating works orders for maintenance based on equipment usage, maintenance tasks are assigned to the equipment, with a scheduled time frame and associated skill level and material inventory requirements.



Maintenance, Repair, Overhaul (MRO)

This module provides the tools necessary to plan, schedule and track a complete maintenance, repair and overhaul program for machines, tools, dies, auxiliary equipment, gages, buildings and more.

Training Content Profile (Fundamental)

This fundamental session gives users a step by step outline of the key items, options and data to configure the MRO module including creating new equipment records, how to create and assign skills to tasks, when and how to create checklists for tasks and assigning these to tools/equipment. Other topics include the different types of templates that can be created for equipment, how to read & configure the total units section and how to create MRO Work Order.

Contact our Learning Experience Team at delmiaworks.elearning@3ds.com for more information!

Maintenance, Repair, Overhaul (MRO) - Work Order Basics

Work Orders contain the details of tasks that need to be performed on the specific equipment, reflecting the information already established during data entry and linking steps during configuration. Work Orders can be generated automatically or manually, and then edited as necessary.

Maintenance, Repair, Overhaul (MRO) - Equipment Tasks

Daily equipment usage is captured through Production Reporting and made available to the MRO module. Therefore, usage of tools and machinery is maintained on a daily basis, and a complete maintenance history is automatically maintained

Maintenance, Repair, Overhaul (MRO) - Work Order Processing

Generating and reporting against MRO Work Orders allows users to report inventory usage for tasks, labor costs and more to ensure that maintenance cost tracking and visibility is possible while also ensuring that inventory is tracked correctly

Quality Tracking with MRO

Real-time integration with DELMIAWorks Quality modules allow automatic updates to CAR, ECO and MRB record

Corrective Action Request - CAR/CAPA

Define, manage, schedule, assign, and track Corrective Action Requests (CARs) to help ensure compliance and meet customer/supplier requirements. The CAR and CAPA modules support an integrated collection of all information on non-conformance issues to ensure ISO 9000 and QA-9000 quality assurance compliance is met.

Training Content Profile (Advanced)

In this trainer-led session MRO Work Order basics are covered in detail starting with access and a discussion about MRO Task and Work Order interactions, key features and options in the MRO Work Order screen, how to attach tasks to the MRO Work Order, common speed button and report functionality, how to filter and view work orders and tasks and labor reporting.

Training Content Profile (Advanced)

This trainer-led session provides users with detailed information about Tasks for equipment within the MRO module including basic functionality/options, creating task templates to utilize in the system, the effect of total units for task & equipment status and fields that affect work order functions

Training Content Profile (Advanced)

This trainer-led session is a deep-dive into work order processing MRO Work Orders including generation, key options and functions to report inventory and labor costs, utilizing the work order planner, how to close tasks and archiving work orders.

Training Content Profile (Fundamental & Advanced)

Technical and trainer led sessions provide a step by step guide to creating CAR/CAPA reports and also a higher level view of the Corrective Action - CAR/CAPA Module including its interaction and relationship within the system to various modules, the purpose of a corrective action, review templates & workflow routing and important fields & options within the Corrective Action Request record.

Engineering Change Order System – ECO

An easy-to-use module to control item revisions and bill of material changes for current and future adjustments while linking to the entire ERP and manufacturing system where critical changes matter most. Create user defined ECO templates that outline required Element and Checklist items for Team Members to complete in order for ECO approval.

Training Content Profile (Fundamental)

This technical style course provides users with a step by step review for creating, configuring and utilizing Engineering Change Orders within DELMIAWorks. This includes various ECO Types and their purpose, approval workflow template creations, configuring an ECO Bill of Material and approval of BOM, Equipment and JobShop ECO types.



Material Review Board – MRB

Track and maintain all non-conformances with electronic documents and detailed audit trails for raw materials, work in progress or finished goods. When MRB's are linked to a customers or vendor, customer service interactions improve with faster responses, increase in product quality, and overall customer satisfaction.

Training Content Profile (Fundamental)

This technical style module teaches users MRB module functions and approvals including MRB creation via the two methods available, creating an approval workflow template, linking inventory items/non-conform locations/customers or vendors to the record. It also provides an overview of Repair Work Order and MFG Rework Order procedures including Bill of Material updates and how to approve an MRB via workflow and Team Members

Auto Work Order, Labor & Maintenance Alerts

The IQAlert tool allows users to setup various actions for the MRO module to be automatically executed on a user-defined schedule. IQAlert is capable of performing a few functions that are useful for Maintenance, Repair and Overhaul such as automatic MRO Work Order generation and automatic MRO Activity Summary updates for active equipment.

IQAlert Groups & Actions

Alert is a separate tool driven by user defined queries (SQL statements) which tells the system to perform certain functions automatically based on company needs.

Training Content Profile (Fundamental)

In these fundamental courses, users are taught about both the IQAlert tool as a whole, but how to configure alerts and groups to automatically perform specific tasks within DELMIAWorks including Email, Reports, Evaluate Workflow, MRO Work Orders, Update Schedule, Auto Load and Replace Email Option

Auto Gather Usage Data

Actual work center and tool/die usage can be gathered automatically when used in conjunction with the RealTime™ Production Monitoring module

Production Reporting

Real-time integration with Production Reporting allows accurate monitoring of all activity against the equipment. Production reporting good parts against work centers automatically reports tool usage and data to be utilized in the MRO module.

Training Content Profile (Fundamental)

This fundamental session teaches users how to perform production reporting by shift, work order and by utilizing the Production Reporting Assistant. This module will also include steps to manually and automatically disposition, backflush and reverse disposition items in inventory

RealTime Production Monitoring

Real-time integration with Production Reporting allows accurate monitoring of all activity against the equipment.

Training Content Profile (Fundamental)

The technical style course allows users to learn about RealTime Production Monitoring and Configuration including how to import a RealTime license, assign a RealTime address to a work center, schedule a work order for a RealTime monitored work center, report production, backflush components and report rejects and how to Close Downtime Intervals

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