



# CMMS Add-On Module

## for Microsoft Dynamics NAV

The CMMS is an add-on Maintenance Management module built for Microsoft Dynamics NAV. The CMMS is an easy-to-use, simple and effective asset management solution for companies that require robust asset management capabilities. It helps companies to improve efficiencies, reduce operating costs and optimize asset performance.

The CMMS module covers the complete lifecycle of your assets value chain by managing critical maintenance data for maintenance scheduling, resource planning and executions in status tracking, inventory and resources management and maintenance costs analysis. The CMMS integrates the following five key aspects.

### **Key Benefits**

- *Tracking complete history of equipment's maintenance*
- *Reduction of unscheduled corrective maintenance*
- *Minimising unplanned downtime*
- *Control of stock usage and parts availability*
- *Control of labor resources*
- *Effective maintenance costs analysis*
- *Improvement of overall operational performance*

### **Equipment Management**

Organizations can track and manage your assets or equipment lifecycle using the Asset Management feature of the CMMS.

### **Work Order Management**

Planned and unplanned maintenance can be carried out including activities that begin with initial work request and work order generation, through completion and recording of actuals. Planners can estimate and obtain approval of costs, establish priorities and initiate maintenance activities across the enterprise.

### **Resource Management**

Resource Management enables recording of the labor and tool cost with respect to the work types. The Resource journal application enables the employees to book the timesheets on hourly basis there by keeps track of the resource usage.

### **Material Management**

Materials management tracks asset-related inventory and their usage. All transactions involving materials are recorded, enabling real-time knowledge of materials status.

### **Procurement Management**

Procurement management supports the maintenance procurement activity, including direct purchase requirements and inventory replenishment. Buyers get complete access to requisition, quotation, vendor, purchase order. Well integrated with the financials of Microsoft Dynamics NAV. Enable planning and procurement of materials directly for a work order requirement.

# Quick Glance

## Equipment Master

- Capture all relevant information about equipment (machines, vehicles, plants, aircraft, etc.).
- Bill of Materials functionality is used to capture the details of inventory items and their respective quantity that constitutes the equipment.
- Capture information about the attached child equipment and bring in a Parent-Child relationship between equipment.
- Capture the breakdown history and work order details of equipment.

## Failure Class Master

- Capture all possible failure classes for equipment.
- Enable users to define the problem codes, causes and remedy for the Failure Classes which will serve as knowledge bank.
- Reduce failure analysis duration and thereby reduce equipment unplanned down time.

## Resource Master

- Capture resource details and distinguish labors with tools.
- Capture resource cost for various work types with timeframe validity.
- Group resource based on their nature i.e. skill sets, disciplines, etc.

## Job Plan Master

- Group a set of activities to be performed on an equipment while executing a work order.
- Include the lists of estimated items, labors, and tools required to execute each activity.

## Route Master

- Group a set of Equipment-Job Plan combination to enable users to execute maintenance activities on different equipment at the same time.
- Routes avoid building complex hierarchies of work orders.

## Preventive Maintenance

- Plan and generate work orders for equipment that require periodic maintenance to ensure uninterrupted equipment efficiency and to guard the equipment against unplanned breakdowns.
- Specify work to be performed on an equipment at specified intervals in the form of Job Plans based on the frequency specified in the program and the elapsed time.

## Work Order

- Enable creation of both corrective and preventive work orders.
- Enable users to pick up the failure code in case of a corrective work order and thereby pave way for Maintenance Engineer to determine the cause and remedy to attend the failure.
- Allow users to estimate the labors, tools and materials required to carry out a maintenance activity and records the actual consumption.
- Compare work order estimated, approved and the actual costs.
- The Equipment-Failure Class combination defined in the equipment master enables users to choose the Equipment's Failure Class in the work order and thereby reduce the breakdown analysis time and the equipment down time.

## Resource Journal

- Enable labors to record the number of hours they work on work orders
- Enable supervisors to record the hired in tools and number of hours the tools are used for work orders.
- Enable user to directly post the actual labor and tool hours spent for work orders

## Work Order Journal

- Enable users to record the items and services issued against each work order.
- Enable users to directly post the actual items and services consumed in to the work order actuals.

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