

MACHINERY PLANNED MAINTENANCE SYSTEM

Planning. Maintaining. Auditing.

Machinery Planned Maintenance System (MPMS) is a software application that efficiently monitors, manages, and plans the maintenance of each vessel. Proper maintenance of onboard machinery ensures smoother operation, better logistic control, and reduced breakdown costs. MPMS offers a cost-effective way to plan and schedule regular maintenance, outline correct work procedures, and maintain inventory for optimal store on board - which all helps maximize earnings for the ship owners.

Features:

- Risk-based and cost based job evaluation
- Obtain various data: man-hours spent, riding team, shore support team, and man-hours used
- International Marine Purchasing Association (IMPA) and non-IMPA list integrated in the application
- Provides different checklists in compliance with the "International Safety Guide for Oil Tankers & Terminals" (ISGOT)
- Real-time tracking of stores and inventory
- Requisition raising processes and purchase
- MIS reports

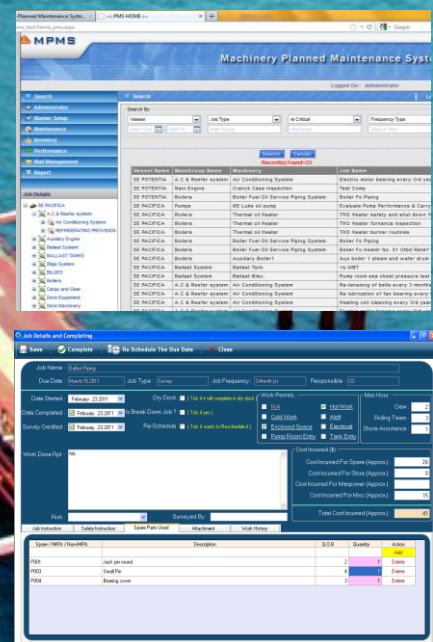
- **MASTERS**
- **MAINTENANCE**
- **INVENTORY**
- **PURCHASE**
- **PERFORMANCE**
- **MAIL MANAGEMENT**
- **ADMIN / TOOLS**
- **REPORTS**
- **HELP**

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Item No.	Alt Code	Item Description	Unit	Q.O.B.	Dy. Reqd.
729462		BALL BEARING SINGLE ROW, DEEP GROOVE NO. 625	PCS	0	6
728914		ELBOW PVC 90DEG SHORT RADIUS, FOR DRAIN SIZE 15	PCS	0	10

Inventory section

Indicator	Output Results
CYL	Piston
P Max	MEP
BHP	Edt Temp
JCT OUT	PI

Main Engine Performance Data sheet

Job Name	Due From Date	Due To Date
MAINTENANCE	February 01, 2011	August 31, 2011

Job planning



Why MPMS?

- Better allocation of resources:
collecting data on spare parts and maintenance jobs has economic advantages in terms of inventory management and planning; the ship operator can allocate resource with greater efficiency when maintenance data is available for purchasing decisions and budget planning
- Easier analysis:
the system is risk and cost integrated: it checks equipment, activity, and personnel risks and quantifies the cost of these activities in financial calculations. This provides users with a powerful tool for analyzing and comparing operations
- Minimize communication costs:
updates are converted into XML files that are then zipped to make the file size very small (e.g. <8kb). This makes it possible to send files through low satellite bandwidths at much lower costs
- Save time:
automatic migration of updated data from the vessel into the central database saves time and reduces communication costs as no human intervention is needed
- Ensure quality:
having the NMM system on board is an essential part of the Quality Management System (QMS) as the whole process of maintaining a vessel is handled on a single, integrated platform. The application is also in compliance with the International Safety Management (ISM) Code
- Better evaluations and estimation:
all work histories are stored and easily retrieved. This data can be used for risk and performance evaluations, and will offer ship owners an increasingly accurate description of ship cost/maintenance structures
- Based on a Service-Oriented Architecture (SOA):
SOA helps organizations respond faster and more cost-effectively to changing market conditions as the SOA makes it possible to look at a problem holistically, e.g. by integrating all services in a purchase - such as Purchasing Department, Finance Department, and Store Admin - in one single process
- Principally DNV approved

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