



Java Ocean Fleet Management System

Digital Maritime Technical & Compliance
Platform
Structured. Compliant. Efficient.

Empowering ship owners and operators with
centralized vessel management, planned
maintenance control, and real-time operational
visibility.

THE CHALLENGES

Fragmented documentation systems.

Manual maintenance tracking (Excel-based).

Poor defect visibility between ship & shore.

Uncontrolled requisition processes.

Expired certificates risk.

Lack of audit readiness.

Limited accountability tracking.

The result

Operational inefficiencies.

Compliance risks.

Delayed maintenance.

Increased downtime.



THE SOLUTION

Unified Maritime Management Platform

Java Ocean Fleet Management System

Planned
Maintenance &
Defect
Management



Ship Requisition



Admin & Multi
Vessel Control



Company Library
(IMS Documents)



Maintenance
Dashboard &
Reporting



Certificate
Tracking





PLANNED MAINTENANCE SYSTEM

Structured Maintenance. Zero
Guesswork.

Digitize your preventive maintenance program with:

- Interval-based scheduling (monthly, yearly, running hours)
- Department-based categorization (Deck / Engine)
- Crew assignment & accountability
- Due date & target monitoring
- Overdue alerts & status tracking

Benefits:

- Reduce unplanned breakdowns
- Improve vessel uptime
- Ensure ISM & Class compliance
- Strengthen superintendent oversight

DEFECT MANAGEMENT

Real-Time Defect Reporting & Tracking

Shore management gains:

- Immediate issue visibility
- Transparent resolution tracking
- Complete audit trail



Crew members can:

- Log defects instantly
- Add descriptions & attachments
- Assign vessel visibility
- Track resolution status



A centralized procurement workflow that enhances operational efficiency across the fleet.

Monitor vessel requests, track quantities and deadlines, and gain real-time visibility into procurement status – ensuring faster processing, improved coordination, and uninterrupted vessel performance.

SHIP REQUISITIONS

Controlled Procurement Workflow

Streamline spare part & supply requests:

- Structured request logging per vessel
- Quantity and deadline monitoring
- Status tracking with processing timestamps
- Multi-vessel filtering and search functionality
- Full audit history for compliance and reporting

CERTIFICATE MANAGEMENT

Never Miss an Expiry Again

Ensure all vessel certifications remain valid and accessible through structured digital monitoring. Real-time expiry tracking and centralized documentation reduce regulatory risk and improve audit preparedness.

- Centralized certificate upload and storage
- Vessel-based document categorization
- Issued and expiry date monitoring
- Automated validity tracking
- Search and filter functionality across fleet
- Secure document download and audit traceability





CENTRALIZED DOCUMENT LIBRARY

Company Library &
Global Maintenance Plan

Maintain structured document governance across vessels through categorized digital storage and controlled access management.

Improve information flow, eliminate outdated references, and support consistent operational execution fleet-wide.

- Categorized document storage per company
- Centralized upload and file management
- Multi-format file support (PDF, Excel, Word, PPT)
- Quick search and filtering functionality
- Controlled access for crew and shore personnel
- Organized document grouping by category

ADMIN & MULTI-VESSEL CONTROL

The Admin module provides structured system configuration and governance across the entire fleet management platform.



Company Management

Manage and configure company profiles within the system, including organizational structure and operational entities.

Vessel Registry

Maintain a complete and standardized database of registered vessels.

User Directory

Control user roles, permissions, and system access.

MAINTENANCE DASHBOARD & REPORTING

Gain real-time visibility into vessel maintenance status and performance through a centralized operational workspace.

- Real-time tracking of completed, in-progress, and overdue tasks
- Upcoming maintenance visibility by vessel
- Preset period filtering and vessel-level performance view
- Detailed task schedules with assigned crew monitoring
- Exportable PDF and task list reporting
- Rapid identification of maintenance risks and bottlenecks



SNAPSHOT

Dashboard

The dashboard provides a high-level overview of vessel maintenance commitments. It features a navigation sidebar on the left with options like Home, Vessel Library, My Tasks, Reports, and Certificates. The main content area includes a 'Master workspace' with a key message: 'Stay ahead of your vessel maintenance commitments.' Below this, there are four summary cards: 'COMPLETED' (1), 'CHECKLIST' (0), 'IN PROGRESS' (0), and 'TOTAL' (1). A section for 'Upcoming vessel tasks' lists a task for 'PERTAMINA 01 - MASTER' with a due date of '27 Jan 2027'.

Maintenance Report

The 'Maintenance Plan Report' provides a detailed view of maintenance progress for a selected vessel. It includes a 'Performance by vessel' table and a 'Task schedule' table.

VESSEL	TOTAL	COMPLETED	IN PROGRESS	OVER DUE
PERTAMINA 01	1	1	0	0

Task	VESSEL	ASSIGNED TO	STATUS	SCHEDULED BY	START DATE
SMART annual test	PERTAMINA 01	Master pertamina 01 team	Completed	27 Jan 2027	10/01/2026 0:00:00 PM

Transform Your Fleet Operations Today.
Java Ocean Fleet Management System.



**Built for Maritime.
Built for Growth.**

Cloud-based & secure
Scalable for multi-vessel fleets
User-friendly interface
Structured compliance support
Real-time operational visibility

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