ISO 9001:2015 ISO 27001:2022

effiTPM™
TOTAL PRODUCTIVE MAINTENANCE

Planned Maintenance System (PMS)

Complete Equipment Maintenance, Material & Lifecycle Management

Plan. Maintain. Supply. Analyse. Preserve.

A secure, structured maritime maintenance platform connecting equipment, preventive routines, breakdowns, Work Orders, engineering teams, spares, material movement and reliability information throughout the vessel lifecycle.

EQUIPMENT-CENTRIC

OFFLINE DEPLOYABLE

BUILT FOR MARITIME OPERATIONS

One Vessel. Every Asset. Every Maintenance Action. One Trusted History.

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TOTAL PRODUCTIVE MAINTENANCE

One Platform.
The Complete Equipment Maintenance Workflow.

Structured capabilities connecting asset hierarchy, planned maintenance, corrective work, engineering execution, material availability and lifecycle intelligence.

Equipment & Asset Hierarchy

Maintain structured equipment information from parent equipment and assemblies through individual assets, including OEM, make, model, serial number, location, category and supporting technical records.

Asset Lifecycle Management

Preserve the equipment lifecycle from purchase, installation and commissioning through warranty, maintenance, repairs, history and eventual decommissioning.

Preventive Planned Maintenance

Configure maintenance routines using calendar, running-hour and usage-based triggers with periodicity, reminders, counter units and maintenance categories.

Unified Work Order Management

Combine planned maintenance routines and breakdown/corrective activities within a single Work Order. Assign one or multiple engineers, coordinate execution and progress the complete scope through controlled closure.

Breakdown Management

Capture equipment breakdowns with failure mode, severity, occurrence information and corrective requirements, linked directly to Work Order execution and equipment history.

Spares & Maintenance Materials

Associate equipment and Work Orders with spares, consumables, lubricants, chemicals and fasteners required for maintenance execution.

Inventory & Stores

Maintain stock, reorder levels, storage location, issues, receipts and returns with traceability of material movement.

Supply Chain Visibility

Connect maintenance-driven demand with Purchase Indents, approvals, purchase-order visibility, delivery status and material receipt.

Gate Pass & TY Loan

Control Gate Pass Inward/Outward and Temporary Loan workflows covering request, approval, issue, receipt, return and closure.

Reliability & Reports

Analyse MTBF, MTTR, planned and unplanned downtime, breakdown trends, asset availability and maintenance performance.

A unified workflow connecting equipment, people, maintenance and material readiness.

Build to preserve one continuous maintenance and asset history through out the vessel lifecycle.

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Maintenance Information Should Not Be Fragmented Across Registers, Spreadsheets, Stores Records and Isolated Systems.

Throughout a vessel's operational life, every equipment generates a continuous stream of maintenance information - preventive routines, running hours, breakdowns, work orders, engineering actions, spare consumption, material requests, repairs and replacement history. When this information is fragmented, technical teams spend valuable time reconstructing what happened instead of deciding what must happen next.

Everything Your Maintenance Team Needs to Know - In One Place

Maintenance Status
Due, overdue, deferred and recently completed maintenance activities.

Equipment History
Previous maintenance, breakdowns, repairs and recurring failure history.

Work Responsibility
Assigned engineers, execution status, review responsibility and approval trail.

Material Readiness
Required spares, consumables, lubricants, chemicals and fasteners - with visibility of stock, requests and orders.

Reliability Performance
Downtime, MTBF, MTTR and equipment availability at a glance.

Complete Asset Lifecycle
A continuous record from installation and commissioning through maintenance, repair, replacement and decommissioning.

From Maintenance Need to Verified Closure - One Controlled Work Order.

Planned Maintenance Routine | Breakdown / Corrective Requirement | Unified Work Order

Single Engineer or Multi-Engineer Team | Required Spares & Materials | Execute Record Collaborate | Review Approve Close | Asset History MTBF • MTTR Downtime Availability

One Equipment. One Maintenance History. One Connected Supply Chain.

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Built for the Realities of Maritime Maintenance

Maintenance Discipline

Standardise how maintenance is planned, assigned, executed, deferred, reviewed, approved and closed across equipment and departments.

Material Readiness

Connect maintenance requirements with available stock, item requests, issues, purchase requirements and material receipts.

Lifecycle Visibility

Maintain one continuous history from equipment installation and commissioning through preventive maintenance, breakdowns, repairs, replacement and decommissioning.

Reliability Intelligence

Convert maintenance and breakdown history into actionable indicators including MTBF, MTTR, equipment downtime, failure trends and asset availability.

Maritime Material Control

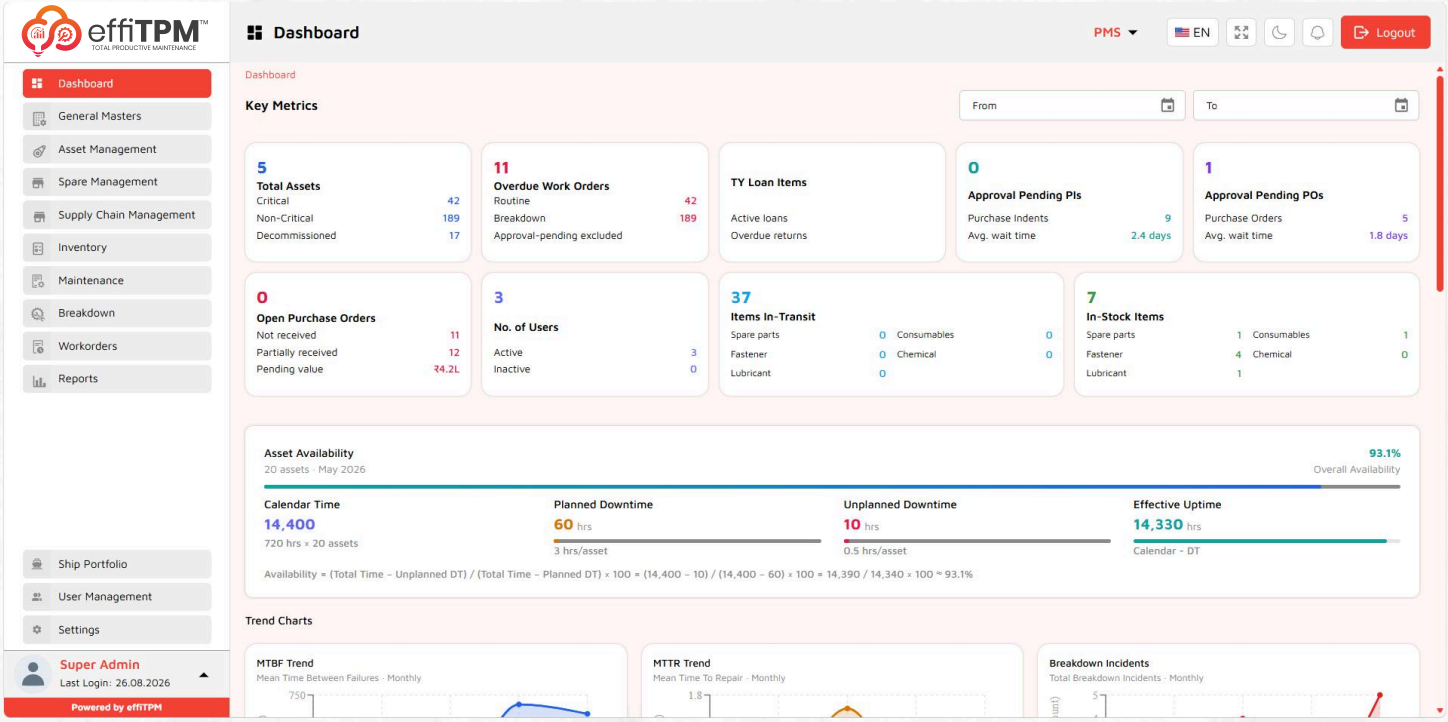
Support operational workflows such as Gate Pass Inward/Outward and TY Loan with controlled approvals, quantities, returns and complete history.

Secure & Auditable

Role-based access, controlled approvals, supporting documents and audit logs provide traceability throughout the maintenance lifecycle.

Operational Readiness at a Glance

Role-relevant dashboards combine maintenance, reliability, material and supply-chain status.



EffiTPM Marine - Planned Maintenance System

- Maintenance Discipline.
- Material Visibility.
- Lifecycle Intelligence.

Request a Demonstration | Schedule a Technical Discussion | Enquire about IRS-Aligned Deployment

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