



OPTIMIZING MRO INVENTORY

Asset-intensive companies face a constant struggle between the sometimes-competing forces of maximizing service levels to maintain production uptime while keeping spending and MRO inventory levels under control. Striking the right balance is critical, as unscheduled downtime from stockouts can cost millions.

MRO Optimizer is built to meet the distinct challenges that maintenance organizations face and give inventory managers confidence in their replenishment decisions. By empowering users with accurate insights on MRO inventory performance, data-driven recommendations, and built in process automation, MRO Optimizer increases serviceability, decreases MRO spend, and minimizes unplanned downtime.

The old methods of managing critical safety and repair stock are simply not sufficient for asset-intensive companies that want to stay competitive. With MRO Optimizer, we are helping our customers achieve transformative results, including*:

-  up to 40% reduction in inventory costs
-  up to 50% reduction of parts-related unplanned downtime
-  up to 25% increase in serviceability
-  up to 20% reduction in inventory on hand due to duplicate or out-of-date parts
-  up to 30% savings in maintenance budget

MRO Optimizer is built to meet the distinct challenges that maintenance organizations face and provide inventory managers with the confidence and control they need to make replenishment decisions.

The Power of MRO Optimizer



Optimize inventory levels within a defined risk tolerance threshold using custom algorithms



Shift maintenance from a reactive to a prescriptive approach to avoid costly downtime and machine failure



Improve ERP data by automatically updating asset BoMs, lead times, Safety Stock levels, and item naming conventions. Identify and resolve potentially duplicated and outdated items



Combine data from IoT, ERP/EAM systems, Work Orders, PMs, and Suppliers to predict item demand and ensure part availability



Automate manual processes around replenishment, data gathering, and requisitions to increase user efficiency



Leverage Machine Learning (ML) algorithms designed to increase statistical certainty and accuracy of stocking level recommendations over time

Key features of MRO Optimizer

-  Inventory Optimization
-  Criticality Analysis
-  Lead time analysis
-  Share items across organizations
-  Asset serviceability reports
-  Demand Forecasting
-  Order approval workflow
-  Customizable user interface
-  Mobile adaptability
-  Building Bills of Material
-  Custom KPIs and Analytics Dashboarding
-  "What if" scenario modelling

Everyone Benefits from MRO Optimizer

INVENTORY MANAGER

- ⌘ MRO Inventory Analytics
- ⌘ Clean, accurate item data
- ⌘ Fewer stockouts
- ⌘ Lower spend
- ⌘ Reduced slow-moving inventory
- ⌘ Automated replenishment & reduced manual work



MAINTENANCE TEAM

- ⌘ Visibility into assets & BoMs
- ⌘ Parts availability
- ⌘ Straightforward UI
- ⌘ Preventative/proactive maintenance
- ⌘ Fewer emergency maintenance requests



C - SUITE

- ⌘ Decreased MRO spend
- ⌘ Growing profit margins
- ⌘ Reduced unplanned downtime
- ⌘ Extended asset lifecycle & serviceability
- ⌘ Data Analytics for decision making



SOURCING

- ⌘ Demand forecasting
- ⌘ Fewer rushed orders
- ⌘ Direct catalog integration
- ⌘ Converting orders to supplier naming convention



Integrate with your existing systems



-  MRO Optimizer can interoperate with one or many host applications, including Oracle E-Business Suite, Oracle Supply Chain Cloud, JD Edwards, SAP, IBM Maximo or any maintenance ERP application and can automate item replenishment and sourcing processes.
-  MRO Optimizer can be configured to ingest, process, create, and edit MRO item data using REST and SOAP webservices to integrate with existing applications. MRO Optimizer uses APIs, interface tables and concurrent programs to manage bi-directional data processing.
-  MRO Optimizer is powered by Hamiltonian’s Kāsei Data Management platform, allowing for Data Governance and workflow-based policies.

We formulate and implement solutions that are vital for businesses to be competitive.

We Are The Hamiltonian.

We ensure that our customers are empowered to make right decisions with right data using right processes at the right time.

Through our **Optimizer** for supply chain, we improve bottom line results, reduce inventory and improve productivity.

With our **Data Lifecycle Management** solution, we make data simple, appropriate and actionable for businesses.

With our **IoT** solutions for supply chain industries, we alert issues, predict potential problems, and empower users to resolve issues on time.

We work with customers who have implemented Oracle Cloud Applications and Oracle E-Business Suite.



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