



IBM MRO INVENTORY OPTIMIZATION

Balance the supply and demand for MRO inventory and materials to unlock working capital and reduce downtime

Asset-intensive operations are under constant pressure to keep inventory of the tools, spare parts and consumables needed to operate and maintain assets under control. Holding too little leads to increased downtime as stockouts of critical inventory prevent routine maintenance and emergency repairs from being completed. Hold too much and procurement, storage and handling costs increase, along with the risk of parts becoming obsolete.

Inventory optimisation is about finding the ideal balance between the two.

IBM's MRO Inventory Optimization (IBM MRO IO) is a cloud-based inventory platform specifically designed to address the challenges of MRO asset-intensive environments. It makes the science of optimisation easy to apply, with statistical analyses, prescriptive analytics and optimisation algorithms to generate the insights that enable informed decisions.

Integrating seamlessly with EAM and ERP systems such as IBM Maximo Application Suite, SAP, Oracle or Ellipse, the key features of IBM MRO IO include:

- Advanced demand forecasting
- Criticality analysis
- Advanced algorithms and analytics
- Interactive visualisations and actionable insights

THE PROBLEM WITH CURRENT APPROACHES

Attempting to tackle MRO inventory optimisation using spreadsheets, internal experts or home-grown applications ultimately lead to:

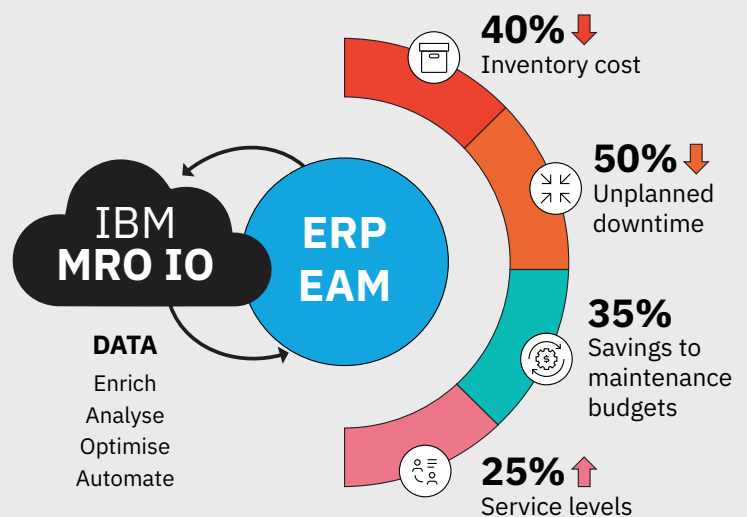
- Bloated inventory
- Equipment downtime
- Parts becoming obsolete on the shelf
- Bloated headcount
- Endless spending on inventory reduction projects



50% of unscheduled downtime is due to a lack of spare parts or stockouts.

- Aberdeen Group

Asset-intensive operations around the world rely on IBM MRO IO to help improve margins, increase service levels and minimise unplanned downtime.



INVENTORY OPTIMISATION BUILT FOR MRO ENVIRONMENTS



COSOL is an IBM Gold Business Partner with over 20 years' experience helping asset-intensive organisations to maintain accurate inventory, manage rotating items and redesign supply chain processes and systems.

Work with COSOL and IBM MRO IO to review your current inventory management practices, assess the impact of optimisation and enhance systems to drive continual improvement.

INVENTORY MANAGEMENT AUDIT



Collaborative approach to explore and document current and future state requirements.

- Current/future state gap analysis
- Establish inventory KPIs
- Identify and prioritise opportunities
- Chart optimisation roadmap

MRO INVENTORY OPTIMISATION IMPACT ANALYSIS



Quantify the potential cost savings and process improvements to make a sound business case for investing in optimisation.

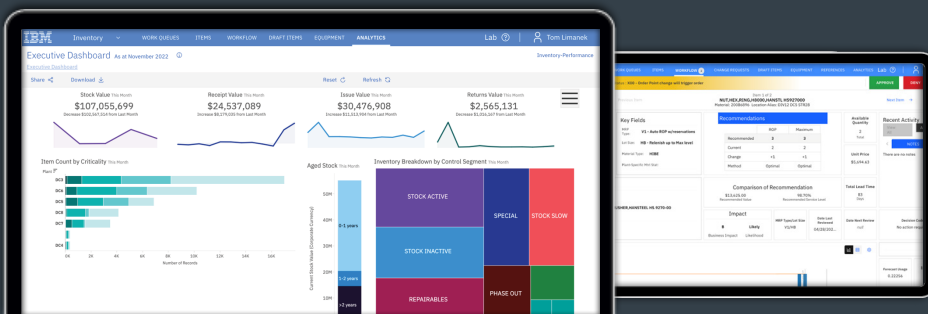
- Survey
- Extract historical MRO items, issues and receipts
- MRO inventory optimisation analysis
- Findings and recommendations

EXTEND VALUE



Ensure your systems deliver the insight you need to maintain and continually mature inventory management practices.

- Customised reporting
- Master data cleansing and enrichment
- Material categorisation
- Advanced inventory analytics



CERTIFIED PARTNER:

COSOL is an IBM Gold Business Partner



LEVERAGE OUR EXPERTISE

We are a global provider of asset management solutions for asset-intensive organisations that span across people, process, systems and data elements of the asset management framework to drive quantifiable business improvements.

We work collaboratively with clients from across the natural resources, energy and water, infrastructure, government and defence sectors to help them to achieve economic and sustainable improvements in their operations and supply chain.

We do this by utilising our signature solutions and proprietary software in combination with best-of-breed technologies and 22+ years industry, technical and functional expertise.

Learn more at www.cosol.global

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