

Overhauling MRO Inventory Management for Improved Efficiency



CASE STUDY: Accurate, Usable MRO Data

A leading pulp and paper manufacturer, operating two high-capacity mills, is transitioning from an outdated CMMS to a cutting-edge EAM system. This marks a first for the current management, who recognized significant issues with their MRO inventory data. Poor data quality has led to frequent emergency orders, spot buys, diminished vendor leverage, and inflated inventory due to duplicate items. Recognizing the need to first standardize and cleanse their MRO inventory data before the company migrated to an advanced EAM system, they enlisted Net Results Group to remotely cleanse, standardize, and enrich their MRO data eliminating duplicates and ensuring data integrity.

Our solution:

Net Results Group implemented MRO3i, a cloud-based workflow and data governance application, seamlessly integrating it with the EAM system to uphold data standards. To maintain and sustain data standards effectively, the company identified the need for a robust data governance workflow tool. This data enhancement project was crucial for accurate EAM configuration and optimal ROI.

Outcome:

- **Achieved an 18% reduction in MRO material costs** through improved purchasing leverage with vendors.
- **Decreased inventory levels by 13%**, reducing overhead and carrying costs.
- **Increased machinery uptime** across plants due to optimized inventory and streamlined processes.
- **Reduced mechanic downtime by 20%** through improved part identification and availability.
- **Enhanced maintenance planner productivity** with effective Bill of Materials (BOM) development.
- **Significantly reduced operational costs**, surpassing benchmark expectations set prior to the project.

This successful overhaul of MRO inventory management demonstrates how proactive data management and integration of efficient workflow tools can yield substantial cost savings and operational improvements in manufacturing environments.