

# Materials Management Solutions

## CAN YOU ANSWER THE FIVE Ws?

**Most plants waste money on inventory because they cannot answer the following:**

### Who used the part?

If no one checks the part out of inventory, the bin level in the system will be inaccurate and the fact that the part was used on a specific asset will not be documented.

### What is the part named?

Craftsmen may lose hours per day looking for a part because there are no standard naming conventions.

### When should I order more parts?

Most of the time a part's inventory level has little to do with the importance of the asset that the part belongs to, resulting in too much or too little stock. It is very common for inventory to include parts for equipment that has been retired from the asset base.

### Where can I find the part?

Parts are stored in bins on the shop floor or under desks, but their locations are not documented; searches waste time.

### Why is that part needed?

Potential or actual asset breakdowns dictate the need for parts and when breakdowns are unpredictable, the problem of managing inventory gets much worse.

## THE BENEFITS OF ANSWERING THE FIVE Ws

We provide control of MRO inventory by helping you to answer the "Five Ws" by offering design and system implementation services that let you manage, store and track inventory.

You can develop your parts inventory using a taxonomy that covers more than 4,500 class/subclass combinations, consistently describing all parts and letting your craftsmen find parts intuitively.

Our solution deploys bills of materials that tie parts to equipment, helping you to stock and purchase only the parts that you need.

Critical parts are identified, helping you to save money by stocking precisely what you need.

We get you organized, enabling you to find the part you need quickly, raising wrench time.

## WHY EMERSON?

Our Materials Management practice has helped many Fortune 500 companies get control of their maintenance inventory, saving them millions. The data cleansing tools and techniques enable us to quickly deliver unparalleled quality.

We employ storeroom managers, maintenance engineers and field engineers in all of our engagements. Our team has expertise in a wide range of CMMS systems, including data migration and integration to these systems.

The Catapult® inventory module manages our taxonomy and parts library, so you can consistently receive quick, high quality results.

Overall, our solutions will have an immediate effect on your organization and business while providing the maintenance services that keep your data in shape for the long haul.



### CATALOG NORMALIZATION & COMMON CODING

MRO material catalog content is normalized and standardized by reformatting and improving existing client MRO catalog descriptions, using proprietary tools and processes in conjunction with the nomenclature assignment contained in the MRO dictionary and the standardized records contained in the MRO standards database.

### INVENTORY ANALYSIS

We provide inventory analysis services including inventory walkdown and data analysis of a sample of records, providing a precise estimate of the costs and benefits of full data normalization.

### RECORD MAINTENANCE

Equal importance must be given to maintaining the data consistency that the entire team worked so hard to achieve. Maintaining the data within the system will not only pay off in user satisfaction today, but will also reduce the amount of effort required for a transition to a newer system.

### CATAPULT INVENTORY MODULE

The Inventory Module in Catapult is designed to manipulate and leverage inventory data standards. Our 4,500 item class-subclass dictionary uses industry standard naming structures, including catalog frameworks like UN/SPSC and ThomasRegister®, standards or corporate taxonomies. With more than five million already standardized MRO part records, the libraries accelerate standardization while improving quality.

### INVENTORY OPTIMIZATION

Tools from WebRUSL® optimize your inventory. WebRUSL helps companies optimize their stocks of billions of dollars of rarely used MRO inventory. Emerson is experienced in setting stock levels for slow moving spares. Inventory optimization produces significant overall cost savings and the optimized mix of spares improves the reliability of the plant.

### BILL-OF-MATERIALS DEVELOPMENT

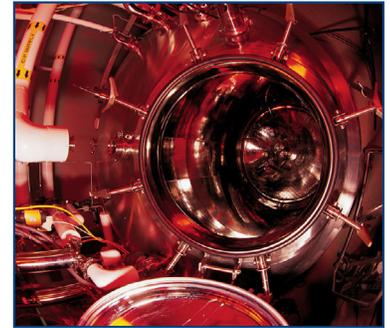
The use of MRO BOMs can save as much as 50% of MRO inventory value. We develop BOMs by identifying all wearable parts for each piece of equipment within a master equipment list (MEL). All elements of the MEL are reviewed and Catapult is used to assure consistent naming conventions are applied.

### STORE ROOM DESIGN & SETUP

Services include: software selection, option evaluation, layout and design recommendation, storage space estimation, warehouse relocation evaluation, layout drawing, racking and storage option evaluation and budgetary estimates for new design implementation.

### MATERIALS MANAGEMENT ANALYSIS & DEVELOPMENT

We evaluate the existing Material Management process and facilitate strategy sessions to develop and document improved Material Management processes including: Receiving, Kitting, Inventory Cycle Counting, Material Issuing Process, Material Returns and Credits, Labeling & Tagging Process, and Delivery Service Design.



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