

A green trash bin is positioned on a green lawn. Scattered around the bin and in the foreground are several pieces of litter, including clear plastic bottles, a yellow plastic bottle, and a black object. The scene is brightly lit, suggesting a sunny day.

MRO Master Data Analysis

Case study:

Waste Management Company

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MRO Master Data Analysis

A waste management company faced the the following issue with their MRO Master Data:

- Two warehouses in the same vicinity resulting in excess stock
- Each sites stock numbering system included reference to the site using alpha letters
- Poor part descriptions
- No manufacturer's field populated
- Poor population of the Manufacturers P/N
- BOMs created in Excel and not within the CMMS



A team of engineers was assigned to support our consultant:

- Check Bins in warehouse for missing attributes and P/Ns
- Agreed to remove duplicates
- Reviewed and agreed the Set Up procedure

Our consultant was engaged to perform MRO Master Data analysis through the provision of the following services:

- Audit findings **(Phase 1)**
- Cleansing & Rationalisation **(Phase 2)**

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MRO Master Data Analysis

An audit was carried out to identify the core issues of the MRO Master Data. The result from the findings are: (Phase 1)

- Many duplicates on both sites and between sites offering scope for rationalisation
- Inconsistent part descriptions either starting with attributes or Noun or Qualifier
- 25% with no Manufacturers P/N and many other P/Ns are Vendors, e.g RS Components
- Existing BOMs were created at an equipment group level
- Only 30% of BOM items could be linked to an item stock number

Our consultant was engaged to perform the task of cleansing & rationalisation through the provision of the following services: (Phase 2)

- Cleanse part descriptions
- Identify duplicates
- Create a common stock numbering system
- Create spare part set-up procedure including how to cross check items against existing database



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MRO Master Data Analysis

Upon completion achievement, the team had successful :

- New numeric stock number assigned but retained the legacy stock number as a reference
- 15% of items referred to the client to check physical stock as no matches from Google
- 95% of part descriptions cleansed with both Vendors and Manufacturer's Names
- P/Ns classified as either Vendor or Manufacturers
- New BOMs created



ANALYSIS TOOLS USED THROUGOUT THIS SUPPORT SERVICES:

- **MRO Master Data Auditor™**
- **MRO Master Data Cleanser™**

Project No of Days

- **Phase 1: 2 days**
 - **Phase 2: 24 days**
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