

Experience hassle-free data cleansing with : MDO's MRO Data Cleansing As A Service

Data cleansing, interchangeably termed as data cleaning or data scrubbing, is the process of identifying issues in data sets followed by taking the necessary steps to address those issues. The ultimate goal of this exercise is to ensure your data is of acceptable quality. Quality data is usually defined through the lenses of validity, accuracy, completeness, consistency, and uniformity.

Given the highly-involved nature of data cleansing, careful planning and strategizing need to precede it. It gets more complex when you have to do MRO data cleansing.

Spares or MROs consist of components and consumables that contribute to the production of finished goods. The nature of these items (e.g., lubricants, nuts, and bolts) make them almost 'invisible' and notoriously hard to track.

Recognising this as a huge challenge, you can have the option of engaging external expertise with in-depth experience and state-of-the-art tools to guarantee the thoroughness and success of your MRO data cleansing activities.

MRO data cleansing challenges

1

No standardisation and governance for data creation and maintenance of spares, so data cleansing never stops.



2

No systematic tool to handle data cleansing and activities related to it.



3

Multiple sources of data make it harder to detect errors, remove duplicates, and consolidate the data sets to form a single version of the truth.



4

Absence of a cohesive data cleansing strategy.



5

Time- and resource-constraint to perform data cleansing activities.



Our service offering—MRO Data Cleansing As A Service

One of Prospecta's service offerings is MRO Data Cleansing as a Service. Our experts will help you with spares master data cleansing and enrichment activities using MDO Data Intelligence Workbench (DIW).

MDO DIW has the capabilities to validate, cleanse, and enrich data using agreed-upon business rules. It provides the data quality layer, governing data with transformation and remediation activities.

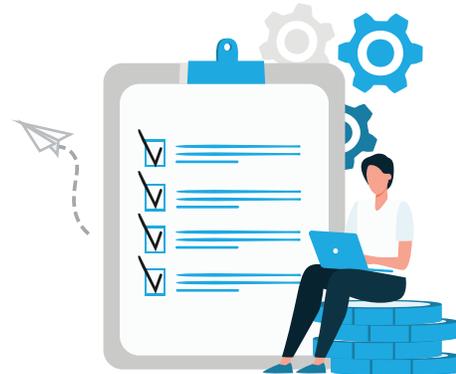
Our tried-and-true methodology of MRO data cleansing and enrichment is as follows:

1) Material data classification

Classification of items following UNSPSC standards

UNSPSC (United Nations Standard Products and Services Code) is a 4-level hierarchical convention that is used to classify all products and services. It is set up via 8-digit numerical codes.

This is the most efficient and flexible categorisation to achieve visibility of purchasing spend. This structured taxonomy also enables drill-down or roll-up analysis.



2) Material data cleansing

Identification and mappings of nouns and modifiers

Mapping of materials' nouns and modifiers into specific attributes by leveraging Prospecta-owned taxonomy which has over 4,000 templates covering almost all MRO data.

We have the capability to assign proper nouns and define the right characteristics starting with the mandatory ones to create meaningful descriptions for purchasing.

Extraction of attribute values from a given input

We follow a logical application of assigning the right values to the right attributes based on a given input whether they're categorized as short text, long text, PO text, or additional info.



Creation of short and long descriptions

Short descriptions are created, taking into account the target system's format and length. The logical format is noun, modifier, followed by mandatory attribute values.

Long descriptions also use the same format, populating all the additional information after creating the short descriptions.

Identification of duplicates

We identify duplicates based on the entries and recommend 'Golden Record' items with similar manufacturer names and part numbers. These records are matched with the descriptions for duplicate identification and flagged as potential duplicates for deletion.

This is where you'll decide whether to proceed with deletion depending on the position of the item in the supply chain (e.g., pending GRN, PO issued, etc.)

3) Material data enrichment

Enrichment of data

Data is enriched via manufacturer part numbers and sourcing information from the Web. Prospecta's data repository can be leveraged to automate part of the process. Any matching item against the repository will be filled automatically with the remainder taken up for manual intervention.

The goal is to enrich data as much as possible with an emphasis on mandatory attributes and values.



Benefits to your organisation



Save time and resources

By letting us manage your data cleansing, your time and resources can be used for more strategic tasks directly aligned with your organisational KPIs.



No disruption or change in your current process

Via DIW tool and automation, you're assured of seamless behind-the-scene activities that don't disrupt your operations.



Provide your leaders quality data they can trust and analyze

Cleansed and enriched data becomes the basis for strategic, forward-looking decisions.



Reduce risks on digital transformation projects like IoT

Comprehensive data cleansing activities that adhere to overall project planning mitigate risks that can delay or compromise project completion.