Master Data as a Service

Poor asset master data can critically impair an organization's ability to operate safely, efficiently and profitably. Asset intensive organizations have operational facilities and assets that have repeatedly been modified, repaired and replaced over time, often with less than complete record keeping. The result is an inaccurate and incomplete asset landscape. This poor asset data in key systems of record results in poor maintenance productivity, low asset availability, mounting unplanned failures, high MRO supply chain costs and critical EH&S risks.

Prometheus Group addresses this glaring problem with its Master Data as a Service (MDaaS) integrated data quality platform, supported by application managed services (AMS) backed by the world's largest workforce of data quality and governance professionals.

The MDaaS front-end harnesses smart technologies like image recognition, text recognition, intelligent web crawling and crowdsourcing to:

• Mine asset information from an organization's CMMS, engineering drawings and maintenance data.
• Capture equipment nameplate information through easy photographic field data collection.
• Crawl manufacturer's websites for equipment characteristics and recommended maintenance practices.

Using industry-leading machine learning engines trained by decades of asset master data, MDaaS produces accurate, enriched and complete ISO 14224 standard equipment records and UNSPSC standard MRO spare parts records that are load ready for seamless integration into your existing CMMS/systems of record.

Advantages

- Improve maintenance productivity by reducing the time spent looking for parts and information required to perform maintenance tasks.

- Increase asset availability by reducing maintenance mean time to repair (MTTR).

- Reduce MRO supply chain costs by identifying obsolete inventory.

- Reduce EH&S risks by eliminating the possibility of maintenance and operations decisions based upon incorrect asset information.

- Improve regulatory compliance by eliminating compliance errors resulting from incorrect asset information.

Key Capabilities

MDaaS integrates the following capabilities to generate accurate, complete, standards-based asset master data.

Mining CMMS/Maintenance Records
Extracting equipment manufacturer information, characteristics, and maintenance parameters for use in asset master data development.

Extracting Data From Engineering Drawings
Mining equipment tag lists and connectivity to establish equipment hierarchies.

Automating Field Data Collection With a Simple Mobile App
Leveraging image and text recognition to extract equipment manufacturer, model, and performance information from new or existing photos of equipment nameplates.

Web Crawling of Manufacturing Websites
Using automated, machine learning-based data mining techniques to extract equipment characteristics and recommended maintenance strategies from manufacturer websites.

Recognizing Equipment and Material Classes
Applying ISO14224 and UNSPSC templates to define required characteristics.

Learn more about Master Data as a Service: **LEARN MORE**

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