Material Data Enrichment for a
Manufacturing Giant in the USA

About the **Client**

The client is a manufacturing and automation giant, a multinational conglomerate corporation, with its headquarters in North Carolina, USA. It is a fortune 100 company and a big name when it comes to architecting smart building solutions for Defence, Aerospace, Manufacturing, etc. With a workforce of 90,000+ employees, the client is operational across 70 countries worldwide. We carried out master data management for their critical material category.

Business Challenges

➡️ More standardization, uniqueness, and granularity were required in the client's existing master data
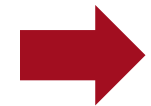
➡️ Material data was disparate and inconsistent causing issues in inventory management

➡️ Data discrepancies led to wrong entries, inconsistent inventory replenishment resulting in business process inefficiencies and time wastage

➡️ Needed to eliminate duplication of items

➡️ Needed to consolidate scattered data and have consistent/reliable data synchronized across the organization

Solutions **Provided**

➤ Analyzed data sets from clients' material master sheets, covering major material groups like raw materials, passive components, process materials, etc. This analysis covered 25,000+ material line items

➤ Consolidated data for better accuracy and visibility into the entire data ecosystem

➤ Improved data uniqueness using various data science techniques

➤ Eliminated data duplication and ensured data enrichment

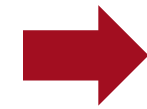➤ Ensured standardization of data across applications, processes, and systems

Business Impact

➡️ Resulted in the refinement of SOPs for sustainability including new material codes

➡️ Enabled faster search on the database due to data cleansing/optimization

➡️ Reduced the consumption of time and resources

➡️ Ensured inventory reduction due to the removal of unnecessary data resulted into better replenishment of inventory

➡️ Reduced transactional costs owing to drastically lower error rates

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Email

inquiry@itcube.net

Web

www.itcube.net