



**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



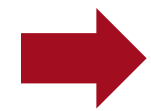
Analyzed data sets from clients' material master sheets, covering major material groups like raw materials, passive components, process materials, etc. This analysis covered 25,000+ material line items



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

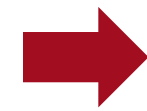




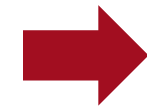
Business **Impact**



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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