

INVENTORY DATA INTELLIGENCE

The Foundation for Smarter Inventory Decisions

Business Challenge

Industrial distributors face significant challenges with inventory data quality that directly impact profitability:

Duplicate SKUs

Leading to excess inventory and unnecessary purchases

Incomplete Product Attributes

Limiting searchability and hampering customer experience

Similar Products Unidentified

Preventing cross-selling and substitution opportunities

Hidden Obsolete Inventory

Tying up valuable working capital

Inconsistent Units of Measure

Causing ordering errors and operational inefficiencies

Our Solution

Deda's Inventory Data Intelligence provides a comprehensive data standardization solution that streamlines SKUs, eliminates inconsistencies, and enriches product attributes to enhance data quality and enable more informed decision-making.

Key Capabilities:

✓ Comprehensive Data Analysis

- Thorough examination of your inventory data to identify issues and opportunities

✓ Attribute Enhancement

- Augment SKU details by cross-referencing with industry data, improving categorization and searchability

✓ Continuous Monitoring

- Ongoing data quality monitoring to prevent future issues

✓ SKU Rationalization

- Identify duplicate, similar, and obsolete SKUs within your system

✓ Standardization

- Harmonize units of measure, product descriptions, and categorization across your entire inventory

Business Impact

- ✓ **Reduce operational costs by 5%**
 - For managing inventory, supplier inquiries and customer service
- ✓ **Streamline operations**
 - Through standardized data, consistent units of measure, and clear product relationships
- ✓ **Enhance product searchability**
 - With better categorization and complete product attributes
- ✓ **Cut inventory costs by a minimum of 5%**

Success Story: Major Industrial Distributor

Challenge: A major industrial distributor that sells maintenance, repair and operating products (\$16.9B revenue) needed to optimize their inventory data to better serve customers and reduce costs.

Solution: Our Expert Services team applied a series of rules for over 5,000 SKUs, using our proprietary algorithms and large language models to enable continuous learning and self-improvement.

Results:

- Discovered clusters of identical products with different as well as identical SKUs
- Delivered supplier optimization lists identifying preferred suppliers offering the lowest unit price
- We also identified that similar SKUs make up 63% of the purchase order dataset
- Enhanced product descriptions by inferring missing data
- Uncovered clusters of similar products with different as well as identical SKUs
- Using the customer's master data set, we identified 25% of purchase order datasets had overlapping SKU attributes
- This enabled the customer to focus more on supplier strategy while looking at accurate data

Implementation Approach

DEFINE (3 weeks)

We analyze your inventory data and identify key opportunity areas

DESIGN (3-4 weeks)

We customize our algorithms to your specific business rules and requirements

DEPLOY (8-10 weeks)

We process your data and deliver initial insights and recommendations

DELIVER (Continuous)

We provide regular updates and monitor data quality

Why DEDA

- ✓ **25+ Years Expertise** in Quantitative Modeling, Applied AI, and Operational Research
- ✓ **100+ Domain Experts, Data Scientists, Mathematicians and Data Engineers**
- ✓ **Proven, tested and mature platform** that delivers speed to market
- ✓ **Recently named a major player** in IDC's Worldwide Decision Intelligence Platform 2024 Vendor Assessment

Contact Us

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Part of Deda's comprehensive P.O.W.E.R. Solutions for industrial distribution

