

Semarchy MDM in Snowflake for Manufacturing

Golden Product & Customer Records that Drive Efficiency & ROI



The Manufacturing Data Challenge

Manufacturers face complex data ecosystems spanning ERP, PLM, IoT sensors, and CRM systems. Fragmented, inconsistent, and duplicate data leads to significant challenges:

Production Delays:

Inaccurate or outdated product records hinder timely manufacturing processes.

Inventory Inaccuracies:

Discrepancies between systems result in overstocking or stockouts.

Compliance Risks:

Difficulty in tracking regulatory standards and quality metrics.

20% of manufacturing companies

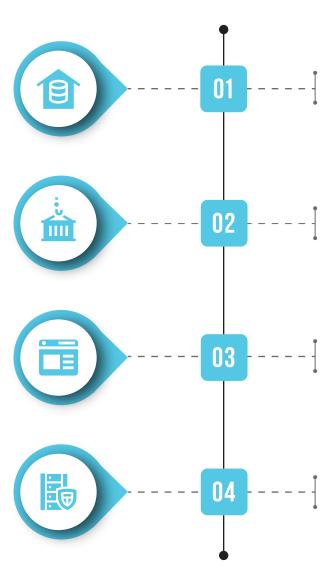
report data quality issues impacting their operations.

77% of organizations rate their data quality as average or worse,

leading to higher project failure rates.

The Solution: **Semarchy MDM Native for Snowflake**

Semarchy MDM, running natively within Snowflake, enables manufacturers to create unified "Golden Records" without moving data outside their cloud environment.



Snowflake Warehouse

Pushdown-optimized matching, merging, validation, and enrichment run directly in your Snowflake compute for maximum performance.

No-code UIs, workflows, and stewardship

Snowpark Container Services

apps run inside Snowflake—no external servers needed.

Browser-Based xDM Interface

Business users manage product and customer data models, rules, and workflows securely via a browserwithout IT dependency.

Snowflake Storage & Security All data stays in Snowflake with full

access controls, masking, and audit logging for governance and compliance.

Seamlessly integrate data from ERP,

Key Capabilities:

PLM, IoT, and CRM systems.

Implement robust data governance

validation processes to ensure accuracy.

Leverage Snowflake's elastic compute

Automate matching, merging, and

frameworks to meet regulatory standards.

resources for high-performance processing.

Improve Production Accuracy Streamline Inventory

The Manufacturing Business Value



Eliminate duplicate or inconsistent product records to optimize planning and

reduce errors.



inventory levels, reducing overstock

and stockouts.

Use unified records for accurate



standards across products and suppliers efficiently.

Ensure Regulatory Compliance

Track quality, safety, and regulatory

Master data where it already lives-

no extraction needed, reducing



<u>ተ</u>ተተ

chain decisions.

Boost Operational ROI

rework, or misaligned supply

Stop wasting resources on errors,



complexity and risk.

Maintenance

Zero Data Movement

Simplified Deployment &



performance and predictable costs.

Pushdown Processing

All matching, merging, and validations

execute natively in Snowflake for high



happen via familiar Snowflake workflows.

Global Manufacturing

25% Improvement in Production Efficiency

By unifying 5M+ product and supplier records in

just 10 weeks, the manufacturer improved

Deploy xDM from Snowflake Marketplace

in minutes; updates, scaling, and monitoring



0

all systems for smarter decisions.

supplier, and customer data across

Unified Governance & Enrichment

Ensure consistent, high-quality product,

Leader Manufacturer

Real Results with Semarchy + Snowflake

production planning, reduced errors, and ensured accurate regulatory compliance.

Read the full story here:

ensuring accurate, consistent information across ERP, PLM, and sales channels.

Consumer Electronics

30% Reduction in Time-to-Market

Centralized product data management streamlined global product launches,

Manufacturing MDM & PIM Semarchy & Snowflake implementations

Read the full story here:

& frameworks for faster

Why Credencys

Take the Next Step

Book a 30-minute session with our experts today.

Discover how Semarchy MDM within Snowflake can transform your manufacturing operations.