Pursuit of Perfect Master Data

One Master Data Error is One Too Many

Sep 04, 2025



Cambrian Lab

Agenda

- About Cambrian Lab
- What Prompted Us to Pursuit of Perfect Master Data
- 5 Steps to Perfect Master Data
 - Master Data Assessment for Business Excellence
 - Error-proofing using Poka-Yoke principles
 - Intelligent Master Data Governance
 - End-to-end Processes for Master Data Management
 - Continuous Master Data Error Correction
- How to Validate if the Strategy is Working
- How to Get Started



Panelists

Kris Gorrepati

- 20+ years experience in New Product Development and Introduction and Supply Chain Manufacturing
- SAP, Samsung, Ford, Caterpillar
- Auto, High-tech, Software
- Michigan Tech (Mech Engg.), UCLA

Hiren Shah

- 20+ years experience in ERP, CRM, Finance, Manufacturing
- SAP, Ford, Samsung...
- Auto, High-tech, Software
- Michigan Tech (Elec Engg.), University of Chicago



About Cambrian Lab

Mission: To Provide Effective and Practical Solutions for Supply Chain Excellence

Team

Supply Chain, New Product Development and Technology Experts from SAP, Samsung, Siemens, GM, Ford, Applied Materials

Industries

Automotive, High-tech, Semiconductor Equipment, Medical Devices, Consumer Products, Food and Beverage, Chemicals...

Locations

SF Bay Area, Detroit, Houston

Expertise

- New Product Introduction, Supplier Development and Master Data Management
- Enterprise and Supply Chain Technology (ERP, SCM, Manufacturing, CRM, Sourcing, Finance)



Examples of Our Work with Different Industry Customers

Embedded Systems, Memory and HPC Computing Systems Manufacturer

NPI Engineering, Master Data Management

Global Network Equipment Manufacturer

Supplier Development and Collaboration

Global Industrial Manufacturer

Master Data Management (Materials, NPI)

Global CPG Company

Master Data Management (Materials, Costing, PLM)

Tier 1 Global Automotive Supplier

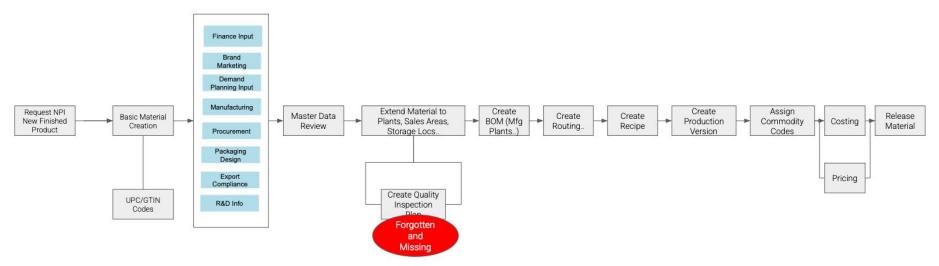
NPI Product Release, Materials, BOM

Specialty Chemicals Leader

Master Data Management (Materials, Customers, Suppliers)



What Prompted Us



Time sensitive material arrived at Distribution Center and could not be shipped to customer due to lack of quality inspection plan



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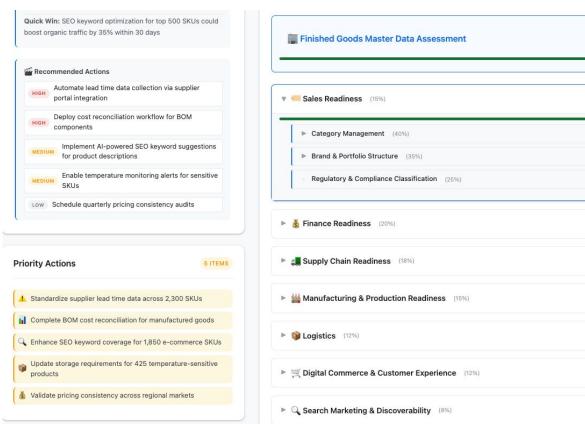


5 Steps to Perfect Master Data

- Assessment of Master Data for Business Excellence
- Error-proofing at the source Poka-yoke principles
- Intelligent Governance
- End-to-end Master Data Processes
- Continuous Error Correction is Mission-critical Systems



Master Data for Business Excellence - A More Meaningful Way to Evaluate Master Data





84%

88%

92%

85%

88%

79%

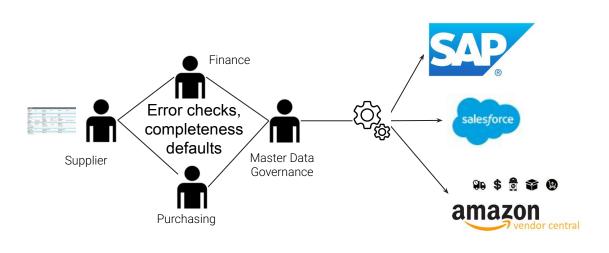
78%

72%

86%

74%

Empower Business Teams to Lead, Create, and Govern



Faster and simpler with digital workflow

Driven by business stakeholders

Business focused

Inventory levels Logistics flow Supplier risk E-commerce readiness

Error-proofed

Intelligent

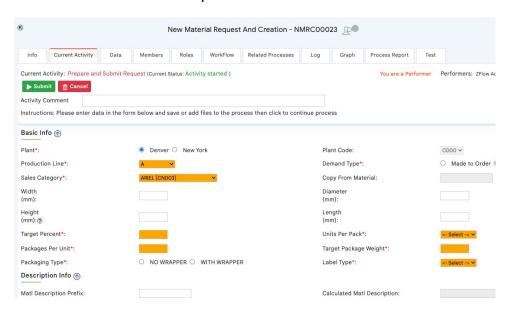
Integrated

Supply Chain Ready

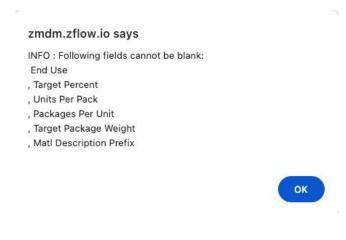


Error-proofing at the Source - Poka-Yoke techniques

Simplification



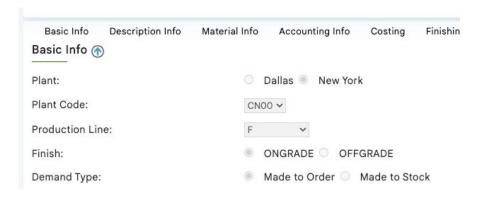
Required Values



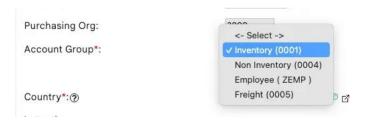


Error-proofing at the Source - Poka-Yoke techniques

Default Values



Smaller List of Possible Values (Drop-down)



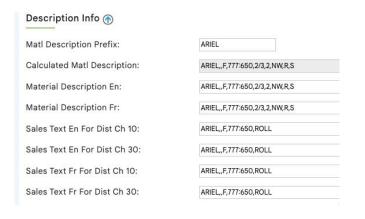


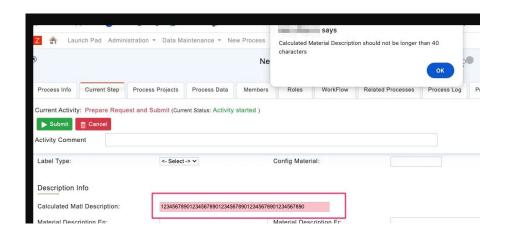
Intelligent Governance

Standardization

Calculated Values

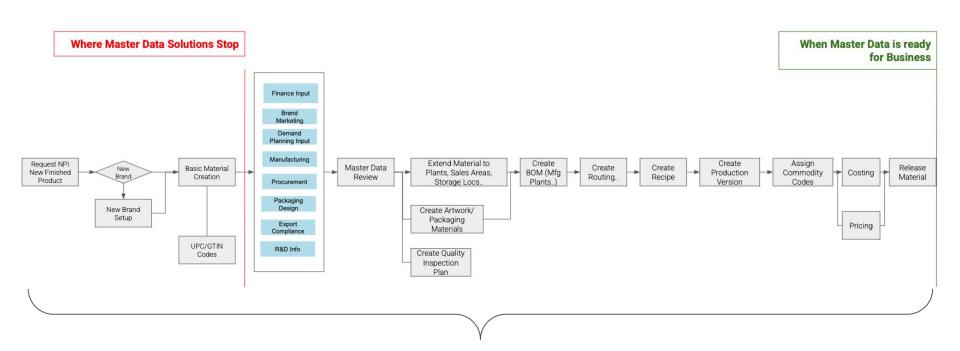
Validation







End-to-end Processes for Master Data Management

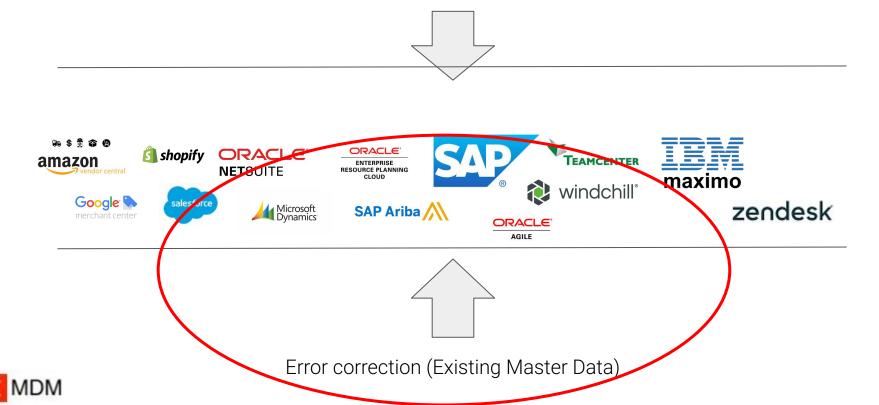


Cross-functional Collaboration, Automation and Integration

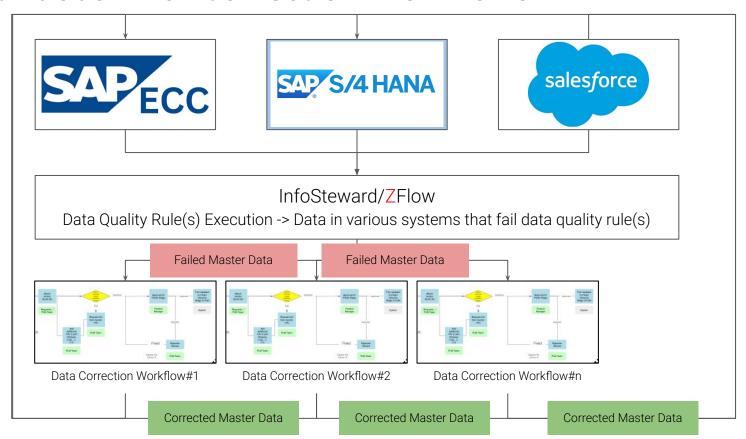


Continuous Error Correction in Mission-critical Systems

Error-proofing (Create/Update Master Data)



Continuous Error Correction Workflows





Continuous Error Correction Workflows



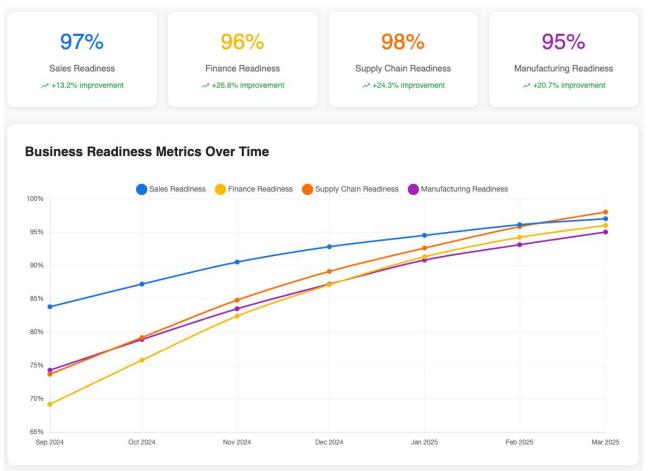


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Improvement is the Only Validation





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Getting Started

Assessment of Master Data for Business Excellence

If you can only do one thing

- Error-proofing at the source Poka-yoke principles
- Intelligent Governance
- End-to-end Master Data Processes
- Continuous Error Correction is Mission-critical Systems



Summary

- ☐ Proven success in many industries
- ☐ Easy to adopt and loved by business users

Test Drive

Free Pilot



For More Information

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