Master Data Management for Supply Chain Excellence

Kris Gorrepati and Hiren Shah

Designed by



About Cambrian Lab

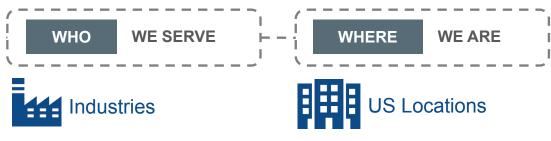
WHO WE ARE



Founded by Supply Chain, New Product **Development and Enterprise Technology Experts** from SAP, Samsung, Siemens, GM, Ford, Applied Materials to provide Effective and Practical Solutions for the Modern Supply Chain



- New Product Development/Introduction (NPD/I), • Supply Chain Management and Logistics
- High-tech, Automotive, Semiconductors, Medical Device..
- Enterprise and Supply Chain Technology (ERP,
- - SCM, Manufacturing, CRM, Sourcing, Finance)



Automotive, High-tech, Semiconductor Equipment, Medical **Devices**. Consumer Products (From Fortune 100 to Start-ups)





- **ZFlow** Digital Workflow for the Product Supply Chain
- Cogence Collaborative Product Development for High Quality, Safety and Reliability



United States | Asia-Pacific

SF Bay Area, Boston, Detroit

Panelists



Kris Gorrepati

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

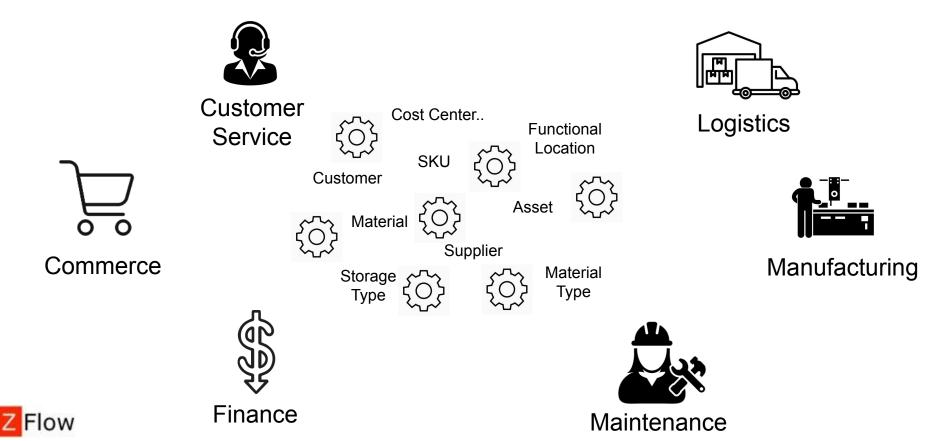


Hiren Shah

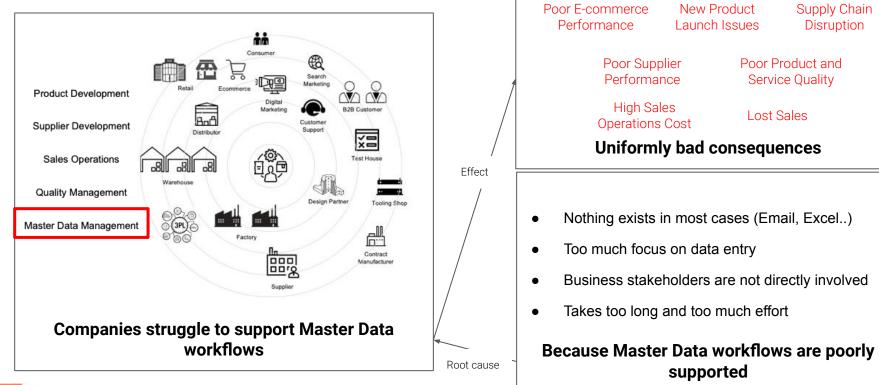
- 20+ years experience in ERP, CRM, Finance, Manufacturing
- SAP, Ford, Samsung
- Auto, High-tech, Software
- Michigan Tech (Elec Engg.), University of Chicago



Good Master Data is Critical to Supply Chain Excellence



Master Data Workflows are a Challenge for most Organizations





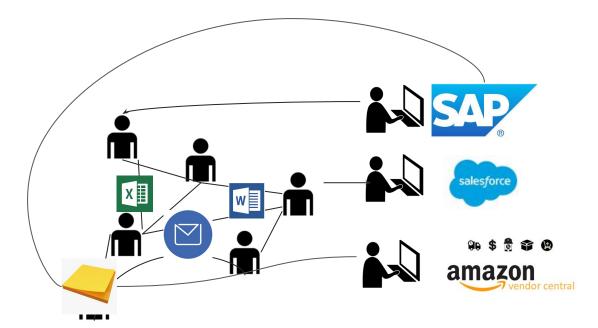
Master Data Management







Traditional Master Data Management



Takes a lot of time and resources

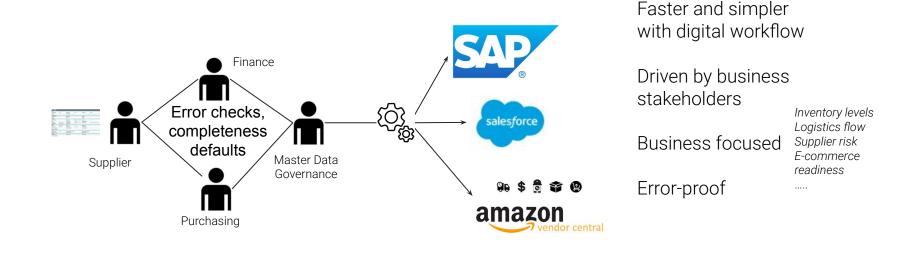
Very little business stakeholder involvement

Data entry focus

Error-prone

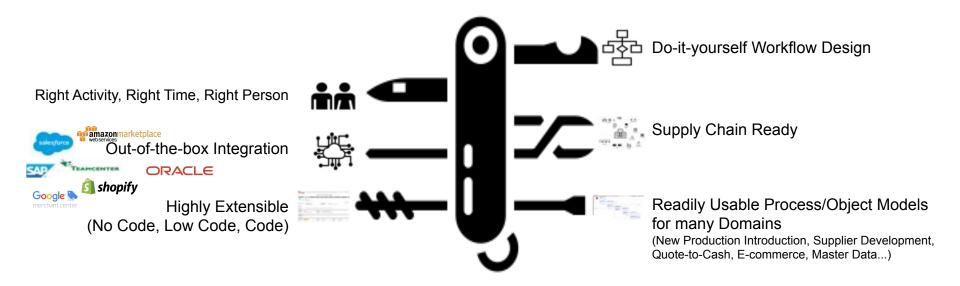


Collaborative Master Data Management



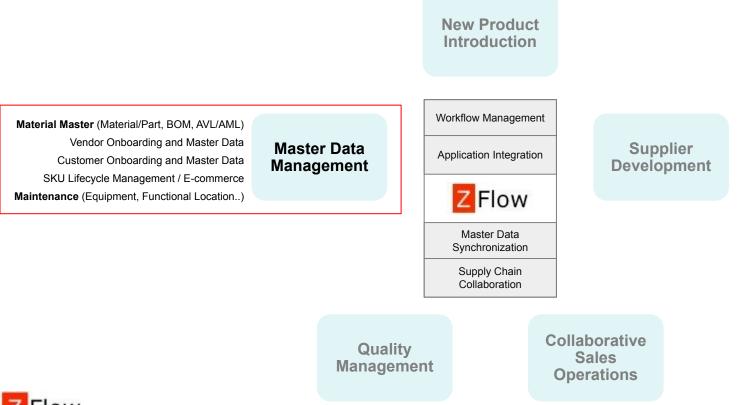


ZFlow – The Swiss Army Knife of Digital Workflow



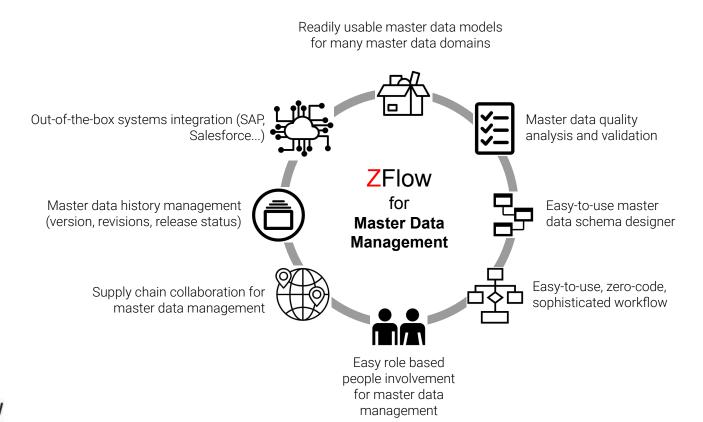


ZFlow Master Data Domains Support Key Business Processes



ZFlow for Collaborative SAP Master Data Management

Powerful Capabilities for Effective Master Data Management





Readily Usable SAP Master Data and Related Workflows

	Launch Pad	for Administrator	
Material Master Data Managem	ent		
Create SAP Material Master Active(0) Find Insights New	NPI Process - Multiple Materials Active(3) Find Insights	NPI to Production Transfer	Active(6) Find Insights New
Approved Manufacturer List List(0) Find	Approved Vendor List	Part/Assembly	SAP Material Master
SAP Purchase Info Record	Manufacturer		
Supplier Master Data Managem	lent		
New Supplier Request	Vendor Master	Supplier	
Customer Master Data Manage	ment		
Active(3) Find Insights	Customer Master	SAP Customer Master	
ECommerce Master Data Mana	gement		
Multi SKU GTM Workflow Active(1) Find Insights	Single SKU GTM Workflow Active(0) Find Insights New	SKU	
Manufacturing Master Data Ma	nacoment		



Versatile and Supports Many Types of Master Data Workflows Design your own in a matter of minutes and hours

Master Data Management

- New Part/Material Request
- New Material (Basic View)
- Extend Material (All Views)
- Change Material
- New Materials
- Bill of Material
- Routing
- Recipe
- Production Version
- New SKU
- Channel SKU Listings (Amazon, Shopify, Google Merchant Center)
- E-commerce Variation Management

E-commerce

- SKU Lifecycle Management
- Amazon Seller and Vendor Central Integration Product/Image/A+ Content/Inventory/Pricing Feed
- Google Merchant Center Integration Product Feed
- Shopify Integration Product Feed / Orders

- Approved Manufacturers
- Approved Manufacturer Parts
- Approved Suppliers
- New Supplier Request
- New Supplier Onboarding
- Vendor Change
- Purchase Info Record
- Pricing Master
- Pricing Change
- Cost/Price Synchronization
- New Customer
- E-commerce Branding Content
- Equipment
- Functional Location
- Maintenance Plan

Product Engineering

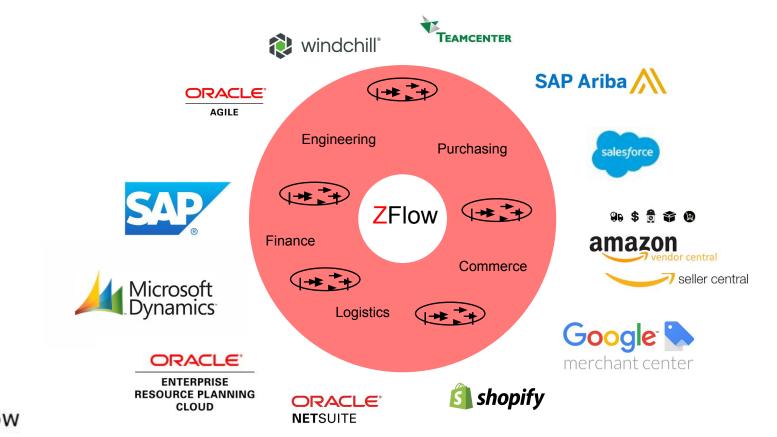
- New Product Development using Stage-gate Workflow
- New Product Development using Concurrent Engineering Workflow
- New Part Request
- New Part Release

Component Engineering

- New Component Request
- Component Change Request
- New Component Qualification
- New Component Manufacturer Qualification



Rich Capabilities for Integrating to Best-of-Breed Applications for Master Data Management



Demo

Simple Part/Material Creation

Extending Materials Plan for Every Part Are you ready for E-commerce?

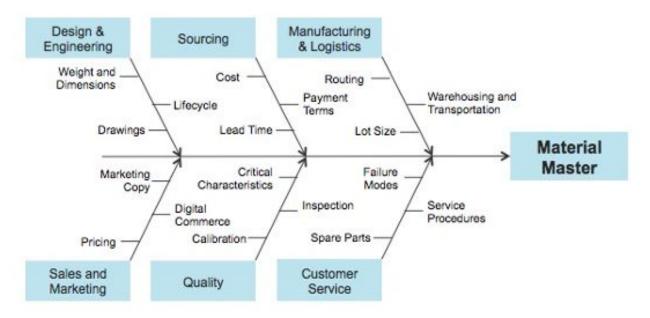
New Suppliers and Onboarding

Supply Chain Risk



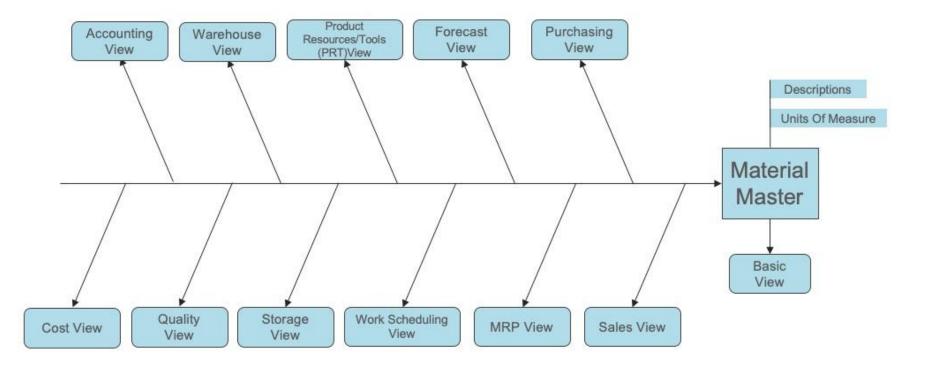
Anatomy of a Material Master

Stakeholders and Decision-making for Materials Master Data





Material Master In SAP





Master Data for E-commerce

Descriptions and

Bullet Points

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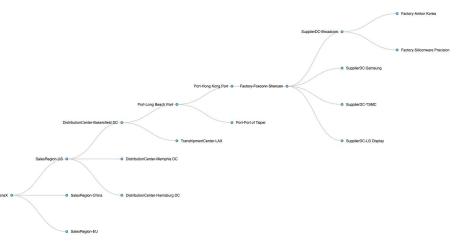
Images





Master Data for Supplier and Supply Chain Risk

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Show Spreadshe	eet Reports Close Comments								
Supplier	Risk Assessment	Supplier	2		Intel 💣				
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0	Quality Defects per million	Part Number:			A10X				
0	Quality Ease of problem resolution	Part Description:			A10X SOC				
0	Quality Product complexity	Manufacturing Plant:			Portland				
0	Quality Timeliness of corrective action	Risk Rat		sk Rating:	4				
0	Quality Value of product								
0	Disruption	Default							
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0	Disruption Labor Dispute								
0	Disruption Political Issues								
0	Disruption Supplier Bankruptcy								
0	Disruption War and terrorism								



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ZFlow Success Stories

Global Tier 1 Automotive Supplier

Deployed Processes:

- Engineering change authorization
- Manufacturing change authorization
- Production part approval process
- Process FMEA
- Repository for Part, Tooling and Manufacturing Process information

Systems integrated:

- SAP
- PTC Windchill

Semiconductor Systems & Embedded Computing Industry Leader

Deployed Processes:

- New Part Request/Release
- New Component Request, Component Change
- PCN Analysis, EOL Analysis

Systems integrated:

• SAP

Leading Specialty Chemicals Manufacturer

Deployed Processes:

 Material, Customer, Customer Master Data Workflows

Systems integrated:

• SAP



ZFlow is Better for Customers

ΖF

Saves Saves

	ZFlow	Alternatives	
Readiness for use	Useful from Day 1 (Many ready-to-use master data object models and supporting workflows)	At least 2-3 months of implementation	Saves Money Time
Unlimited Users	Unlimited users when subscribing to instance based usage on Public Cloud Platforms	Per user licensing can limit usage/value and can become very expensive	Saves Money
Ease of use	Zero code workflow design, modern UI framework, mobile ready	Requires coding, extensive in some cases	Saves Money Time
Supporting Technology Cost	\$0 - 100% built on open source components (Tomcat and mySQL)	Often require additional and highly expensive supporting technology (SQLServer, Oracle, .NET Servers)	Saves Money
Supply Chain Ready	Workflows can be extended to suppliers and customers easily	Usually do not support supply chain oriented workflows	
100% Browser Based	All administration and use is browser based	May require extensive systems management expertise	
Public Cloud	Ready for operations on all Public Cloud platforms (AWS, Azure, Google Cloud Platform)	May require extensive set up	Saves Money Time
Integration	Readily available integration (SAP, Salesforce)	Often require expensive middleware	Saves Money Saves Time

Summary

- *Proven success* in many industries
- □ Easy to adopt and loved by users
- □ It only takes minutes to get started with the <u>Test Drive</u>



For More Information

Kris Gorrepati

VP of Product

Cambrian Lab

+1-408-569-3744

Kris.gorrepati@cambrianlab.net

ZFlow for Collaborative SAP Master Data Management

