



MASTERING SUPPLY CHAIN MANAGEMENT WITH SAP

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MASTERING

SUPPLY CHAIN MANAGEMENT WITH SAP

Eliminate Duplicate SAP Master Records - Addressing a Big Problem, One Simple Solution at a Time

**Ranjan Bakshi - MasterDataOnline by
Prospecta Software Australia Pty Ltd**

What I'll Cover

Prospecta – SAP Partner

Typical Master Data Challenges for SAP Users

MasterDataOnline A Clean and Consistent Solution

Demonstration

Data Cleansing cleaning up the past

Case Examples

Key points to Take Home

Questions

Prospecta Software

Prospecta Software is a specialist SAP Independent Software Vendor (ISV) & SAP Services Partner offering SAP customers a high value master data management solution called MasterDataOnline (MDO) for clean & consistent SAP master data

Innovative package solutions:

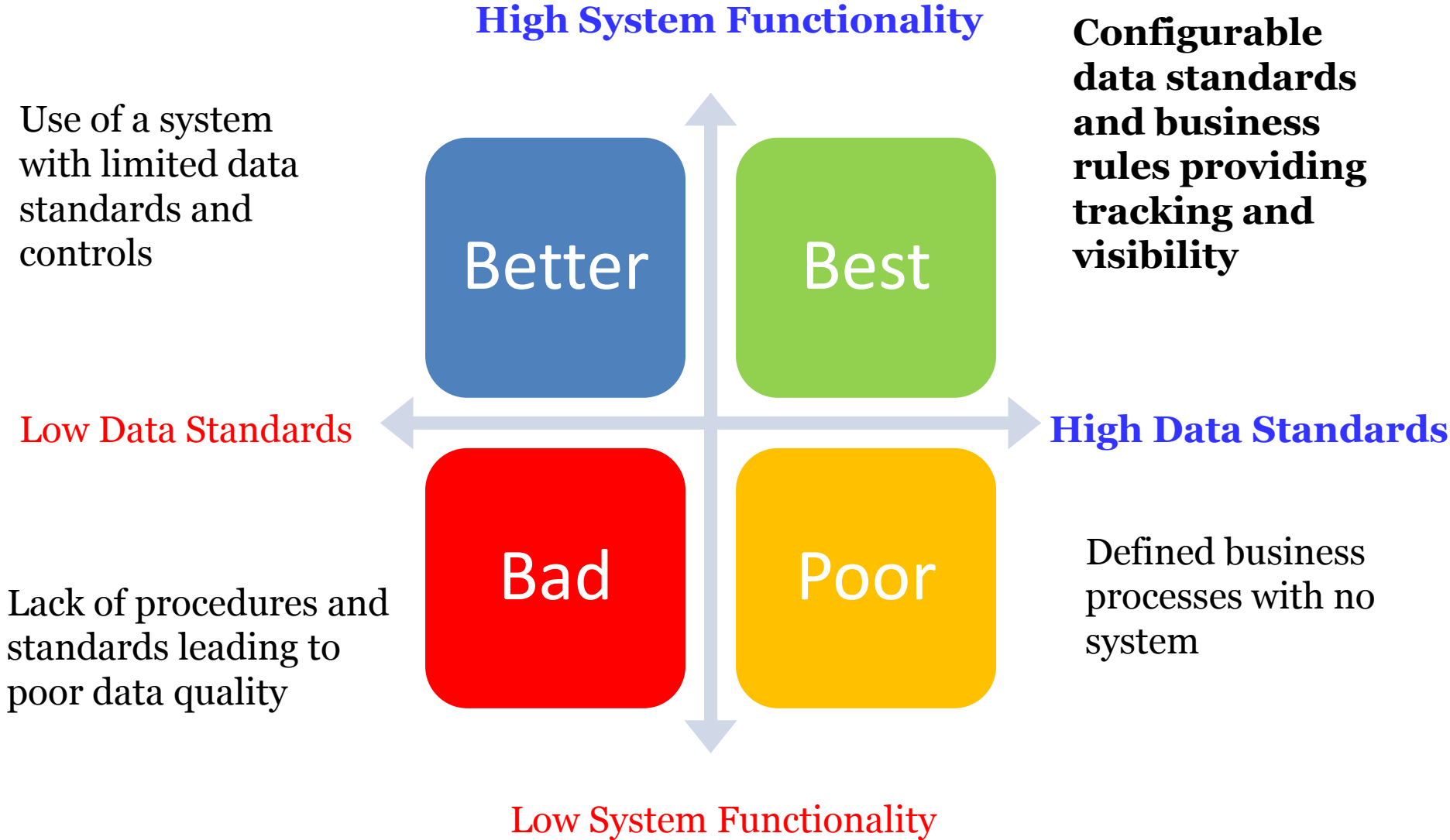
- **Master Data Online** for clean and consistent SAP Master Data
- **Work Safe Online** to manage Health, Safety and Environment
- **Acceler8** , An business application platform



SAP Technical Consulting Specialists

- **Enterprise Mobility** – field maintenance, warehouse management
- **SAP NetWeaver** - technical solution architects and specialist resources
- **SAP Technical** – ABAP, Integration, Adobe Forms

Master Data Management



Typical Challenges for SAP Customers

De-central Data Management

- Limited control
- Inconsistent rules
- Human intervention

Spare Parts

- Redundant Stock
- Lack of stock visibility
- Inefficient management

Typical Challenges for SAP Customers

Naming Standards

- Different standards
- Custom codes and variations of common classifications
- Variable formats

Lack of Procedure and Processes

- Excel based process for data entry
- No approval process or process is inconsistent
- Incomplete master data information

Master Data Management

- Master Data Management
 - Consists of:
 - Data Quality
 - Data Governance
 - Processes
 - Standards
- Where Do I start?
 1. Focus on SAP master data creation and change
 2. Adopt a solution with automated workflows and naming standards
 3. Cleanse existing SAP master data

Master Data Online (MDO)

A Master Data Management Solution & Services to cleanse and manage core business data in a consistent manner across the organization, including business processes, governance and change management.

Cleanse

Manage

Centralize

SAP[®] Certified
Powered by SAP NetWeaver[®]

MasterDataOnline Components

Web Browser

Master Data Packages	Workflow Engine	Business Rules Engine	Interface Layer	Flexible UI Configuration	Authentication	MDO Client
<ul style="list-style-type: none"> • Material • Customer • Vendor • Bill of Material • Custom Master Data • Function Location * • Equipment Master * 	<ul style="list-style-type: none"> • Decentralized Data Entry • Workflow Configuration • Roles based actions • Task List for Approvals • Emails • Escalations 	<ul style="list-style-type: none"> • Description Rule for Material Creation • Number Based Rules • Rules for Address Management for Customers and Vendors 	<ul style="list-style-type: none"> • Web Services • XML • Batch • SAP Adaptors • Reference Data Integration • Integration with multiple systems 	<ul style="list-style-type: none"> • Choose Fields • One Data Entry View for all systems • Additional Validation Rules • Attachments • Tailored Search Features 	<ul style="list-style-type: none"> • Role Based Access • Access based on position and master data packages 	<ul style="list-style-type: none"> • Master Data cleansing • Master Data classification • Configurable rules to identify duplicates • Reports for duplicate reviews • Data export to SAP

Interface Layer

Acceler8 Platform

Master Data Packages

Material Master

- Creation and change of material master information
- Description rule engine to create industry based standards
- Duplicity Avoided by unique Material Description
- Mass upload and mass extension feature

Bill of Material

- Creation and change of Bill of Material
- Managing and changing using CN numbers
- Change process can take place without impacting the BOM

Customer Master

- Creation and change of customer information
- Maintain and view pricing information
- Standard validation of address fields and names

Vendor Master

- Creation and change of vendor information
- Standardization of vendor Information
- Ability to add additional information - licenses, policies
- Easy help values for name and addresses

Functional Location & Equipment

- Hierarchy based creation process
- Standard naming convention for location and Equipment master
- Pictures and useful information on safety
- Additional Information on warranty etc

Key Business Functions

Workflow based Approval System

Decentralized creation of Master Data

Change Log for Master Data

User Defined Search for Master Data

Role based access to ensure the proper creation of Master Data

Easy Screens for data entry and validations

Integration with SAP and 3rd party systems

Mass operations – extensions, copy, change, upload with validations

Master data cleansing and standardization

Screen views customizable based on roles and profiles

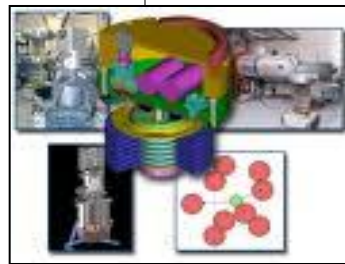
Decentralize Master Data



Location 1



Location 2



Responsible Person 1



Responsible Person 2

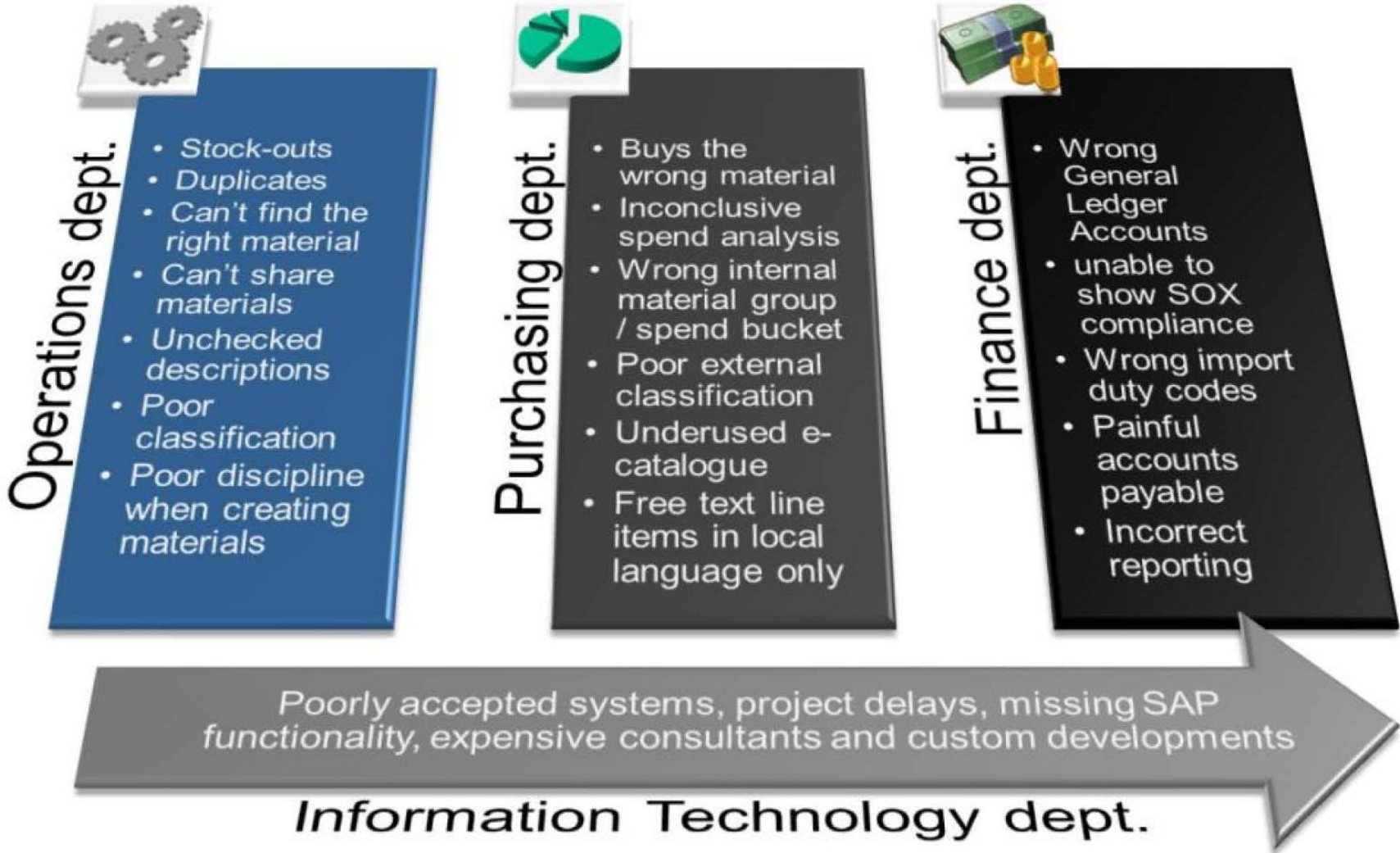


Approver



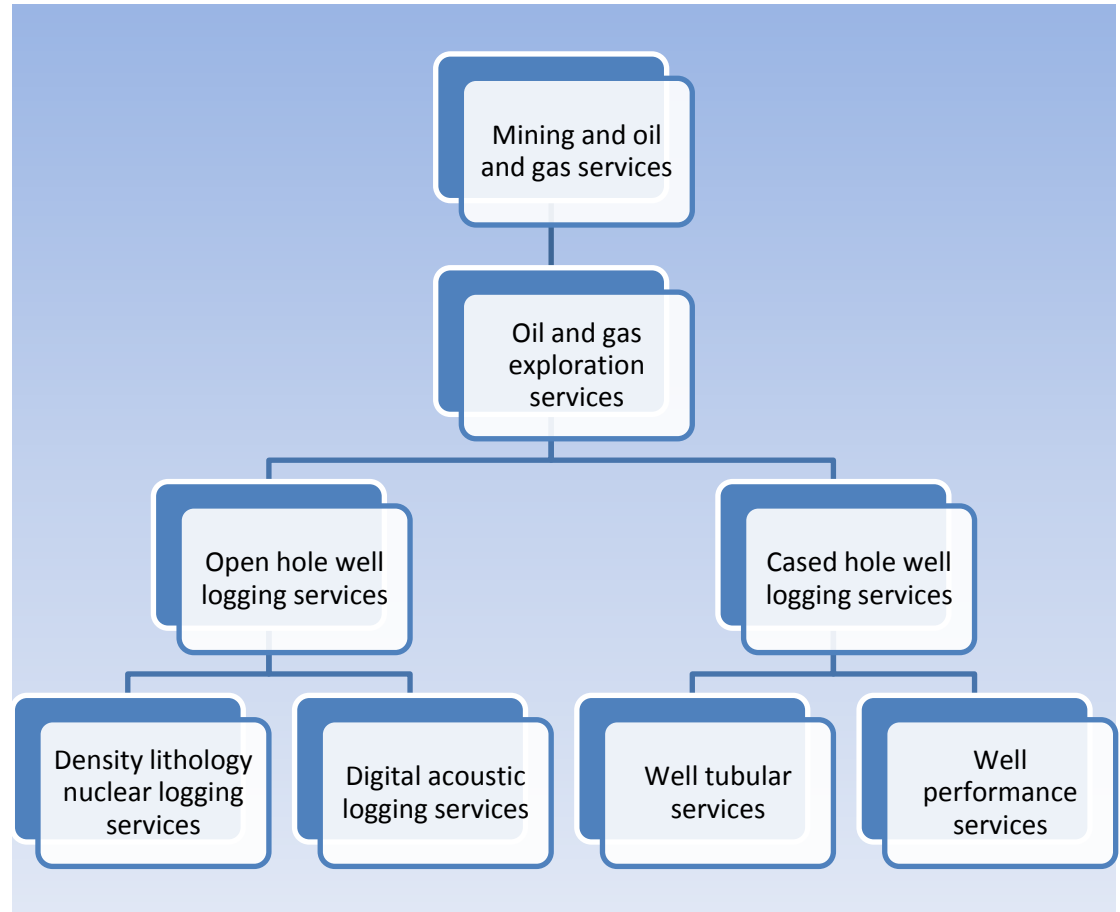
Location 3

Material master Can you relate?



Material - Classification

- Classification can be based on unlimited levels of hierarchy
- Material Groups (SAP) or any other field that groups the Product or services can be used to classify.
- Codes can be maintained and updated for industry based classification .
- GPC Standards (Part of the GS1 System of supply chain standards)
- NAICS Standards
- UNSPC Standards
- Custom Hierarchy



Description Builder

MasterData Online
Clean & Consistent Master Data

Welcome Ranjan! Home Logout

Task Material

Search
Material
Go!

Advanced Search...
Quick Create
Select

Default Setting
AkerSolutions

User Information
User ID: Ranjan
User Name: Ranjan Ranjan
Role: Administrator

Material Create

Material Create [Next] [Back]

Industry Sector	1--Retail	Material Group	CFE1--Steel Componer
Material Type	1000--QRG-Raw Materi	Sales Org.	HIL--Havells India Ltd.
Plant	1001--HIL- Baddi DP	Valuation Type	BATHFIT-BH--BATHFIT-
Distr. Channel	10--Dealer	Noun	FEC--SteelComp
Stor. location	C501--Quality Inspctn	Description	SteelComp Forging
Proccesedform	G--Forging	ProductID	PE--ControlGearAcc
Plated.Unplated	C--CoatedPowderPa		

Attributes → Values

Noun is linked to a Material Type / Group

Value Selection from the Drop Down makes the unique description

Noun + Mandate Attribute's value = Unique Description

Material Master Data Management

Challenges

MasterDataOnline Solution

Incorrect stock levels

- Data cleansing tool and services for maintenance and spare parts
- Creation of Material Master is non duplicate

Business intelligence reporting reliant upon duplicate records

- Real time data duplication checks and validations

Non-standard naming conventions

- Naming conventions based on configurable definitions or standards
- Standard creation and change procedure

Engineering change management

- Engineering change process automated and workflow enabled

Key Features – Material Master

- Create/Change/Delete Material Master
- Extend Material Master
- Block / Unblock Materials
- Action on other Master data (such as Contract Master) on actions like Material Deletion
- Change log
- Description Validation
- Unique Description builder
- External Material Number

Application Demo for Material Master 

Vendor Master Data Management

Challenges

MasterDataOnline Solution

Lack of formal approval process

- Creation and change managed via workflow approvals
- Ability to involve purchasing and finance departments
- Workflow rules are configurable

Duplicate vendor records

- Real time check for pre-existing records
- Flexibility to configure unique combinations for duplicate record check

Effort required to modify existing forms

- Ability to add and change fields without development
- Field level dependencies & Default values are configurable
- Easy to customize the User Interfaces without coding

Key Features – Vendor Master

- Create/Change/Delete Vendor Master
- Block / Unblock Vendor
- Updates both Vendor master and address master
- Help Values for Fields
- Ability to manage/change Partner functions
- Standardized address entry and naming conventions
- Customized checking of duplicate records
- Ability to integrate with other Master Data Objects such as Material Master
- Option to add additional information that may not flow into SAP

Application Demo for Vendor Master



Customer Master Data Management

Challenges

Cross department responsibilities

MasterDataOnline Solution

- Creation, change, block functions can be initiated by sales, purchasing, credit control and finance
- Flexibility to set workflows by account groups/regions

Duplicate customer records

- Real time check for pre-existing records
- Flexibility to configure unique combinations for duplicate record check
- Ability to update pricing information

Customer Hierarchy views

- Ability to add multiple customers to the same corporate group with easier visibility of the transaction

Key Features – Customer Master

- Create/Change/Delete Customer Master
- Extend Customer Master
- Block / Unblock Customer on Company Code Level
- Updates both customer master and address master
- Maintain Pricing Information – VK11
- Customer Hierarchy
- Help Values for Fields
- Customized checking of duplicate records
- Ability to Integrate with other Master Data Objects such as Material Master
- Can Integrate with CRM and Other third party systems

Application Demo for Customer Master 

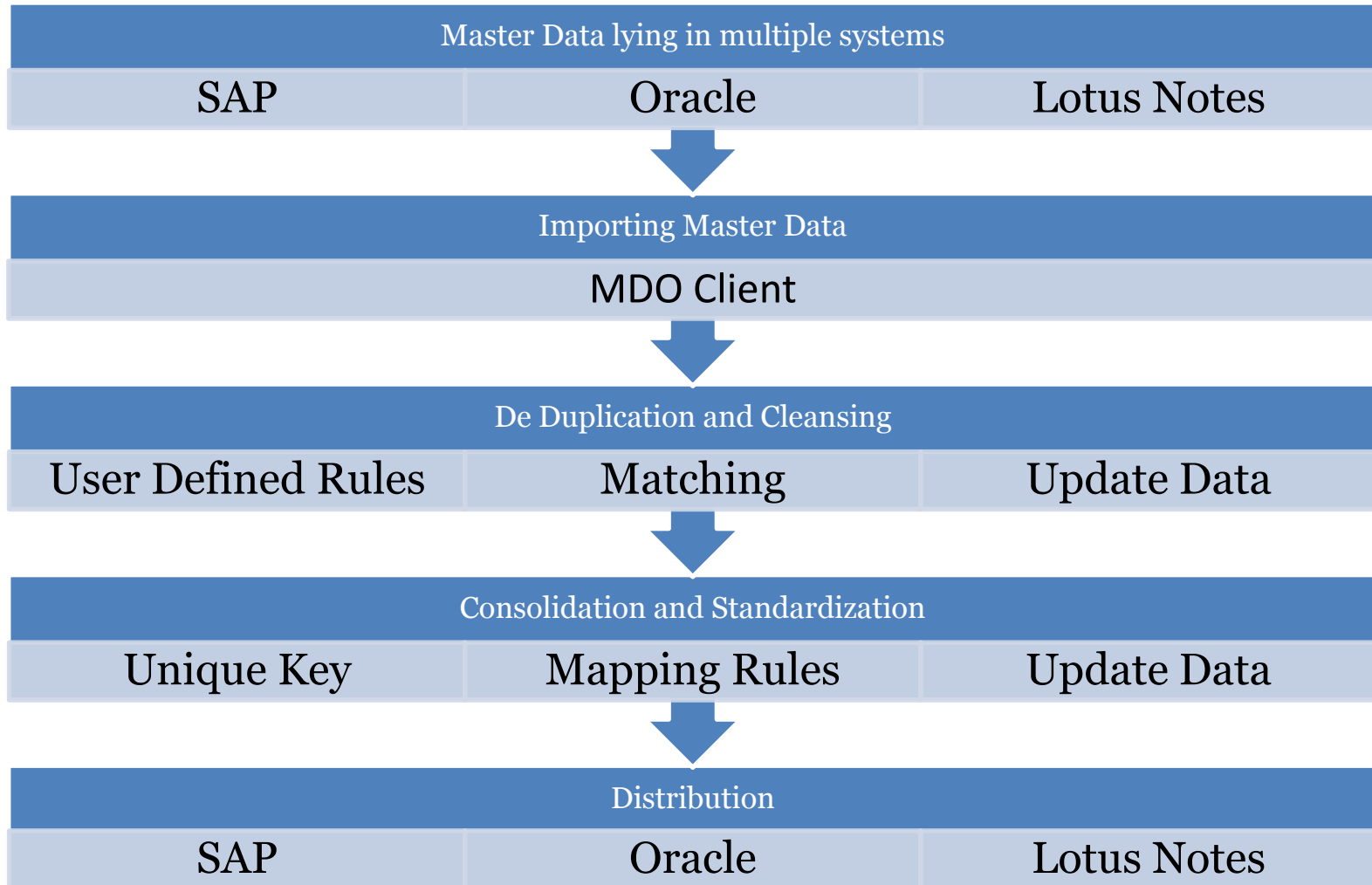
Acceler8 Platform

- Master Data Online is built on the Acceler8 Platform
- Based on Service Oriented Architecture
- Built on J2EE Technology
- Database Independent
- Strong Reporting Capability
- Workflow Engine
- Integration capability
- User Administration
- Flexibility to configure workflows and screen layouts

Platform Features Demo

Scenario	Description	Demo
Adding a custom field	Ability to add new SAP field into MasterDataOnline	
Role and Tab Configuration	Assigning tabs to roles	
Workflow Settings	Ability to configure workflow steps	
Integration Log and Settings	Integration logs and how the settings are maintained	

Data Cleansing Process



MasterDataOnline Summary

- Web Based
- Easy Data Entry – User define settings
- A MDM Platform to manage any type of Master Information
- No Impact on SAP Upgrades use of standard IDOC's
- Multilingual
- Standard Packages for Material, Customer, Vendor
- MDO Client – A desktop tool that can be used to cleanse your existing master data information
- Adding Fields and customization involves no development
- Workflow Engine allows you to customize your path
- Able to Integrate with other third party system

Electrical/Power Distribution Company

- **Challenge**
 - Speed to release of new product lines globally is limited by time and accuracy of manual data entry for specific plants
 - Large product range with inability to track, report and analyze materials
 - Engineering change management handled manually
- **Solution**
 - Automated process to extend product to multiple plants with plant specific details
 - Standard naming conventions and procedures
 - Engineering change process automated and workflow enabled
- **Benefit**
 - Ability to launch products quickly and accurately
 - Accuracy of stock items
 - Error free Bill of Material for accurate production

Global Automotive Company

- **Challenge**
 - Duplicate material master records across maintenance and spare parts
 - Business intelligence reporting reliant upon duplicate records
 - Non-standard naming standards
- **Solution**
 - Data cleansing tool and services for maintenance and spare parts
 - Standard naming conventions and procedures
 - Real time data duplication checks and validations
- **Benefit**
 - During data cleansing 34% of material master records were duplicates
 - Accuracy of stock items
 - Quality reporting

Large Consumer Products Company

- **Challenge**
 - Incorrect customer invoicing due to duplicate records and incorrect details
 - Inaccurate pricing and discounts
 - No controls over changes of customer master records
 - Limited visibility by sales personnel to view pricing and discounts
- **Solution**
 - Automated creation and change process of customer information with workflows and approvals
 - Access to information controlled by roles and permissions
- **Benefit**
 - Accurate invoicing to customers
 - Visibility of customer information for sales personnel

Key Points to Take Home

- Focus on Quick wins - small chunks of work
- Determine which master data causes the most pain/gain
- Decentralise data creation
- Centralised processes
- Automate business rules and standards

Questions

How to contact us...

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