



The Biofore Company **UPM**

UPM – Customer Presentation

MRO Material Master & Plant Maintenance Master Data Mgt
Kimmo Hirsimäki & Jukka Puustinen

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Klaus K Hotel, Helsinki





Presentation content

- UPM Introduction
Pulp and Paper mills in Material Master Management scope
- PMMD Introduction
Plant Maintenance Master Data Team (PMMD)
- Why Material Master Harmonization?
- What is harmonization?
- Why Winshuttle?
- Winshuttle examples

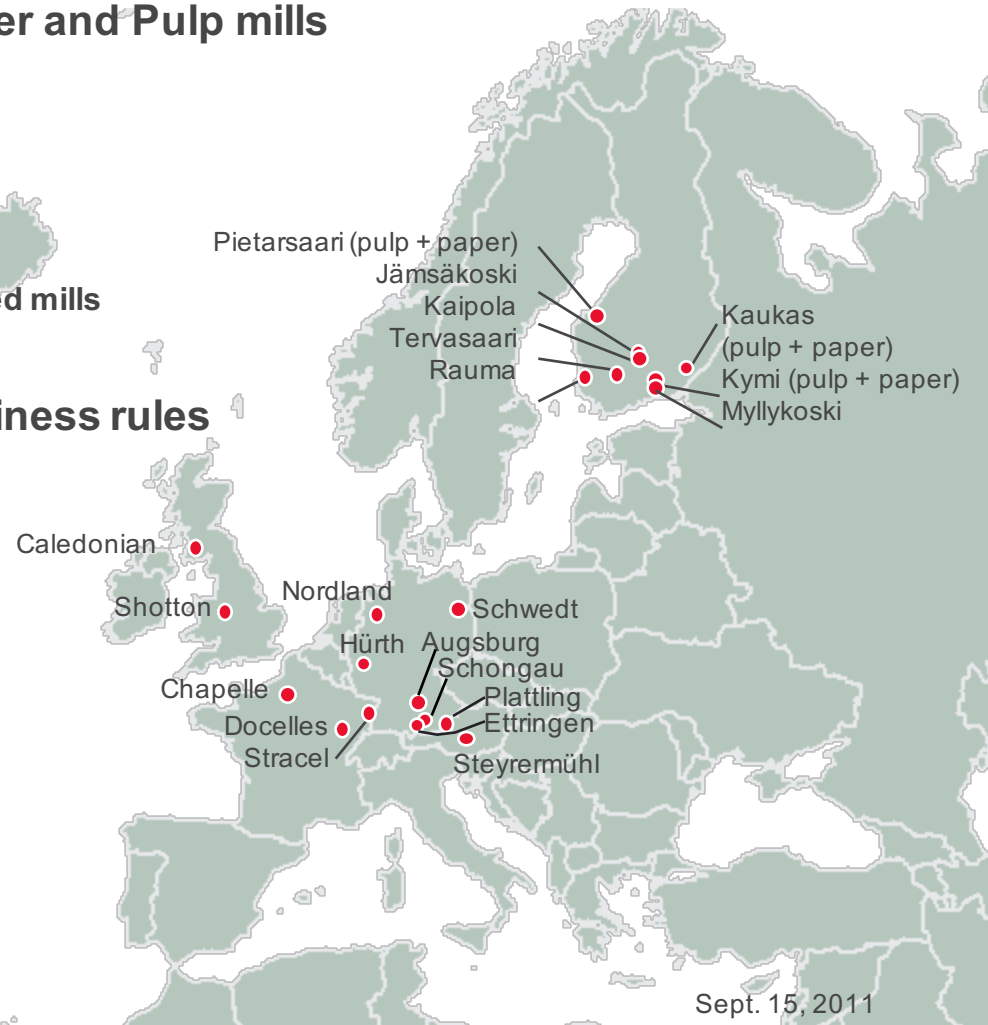
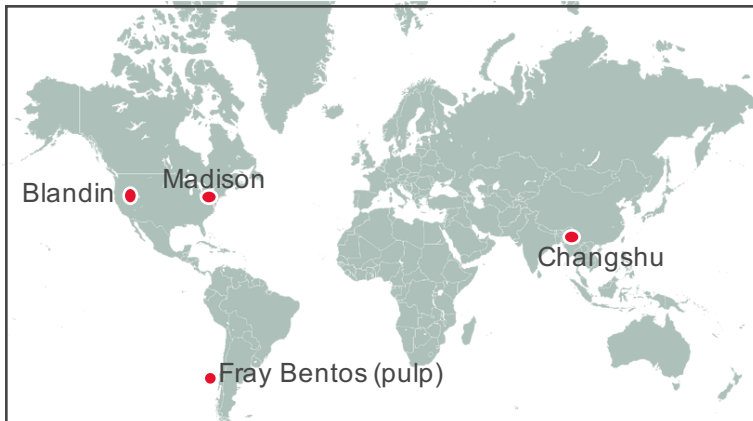
UPM Introduction

Pulp and Paper mills in Material Master Management scope

GlobalONE SAP - materials from 23 Paper and Pulp mills (excluding Blandin and Fray Bentos)

PMMD responsible:

- **MRO material masters > 571 000**
 - Stock and non-stock items including closed mills
- **Global data mgt processes and business rules**
 - On-Going Data Maintenance (ODM)



Introduction

Plant Maintenance Master Data Team (PMMD)

Plant Maintenance Master Data team

Teppo Viitikko
Data Management Mgr

Kimmo Hirsimäki
Data Process Mgr

Master Data Experts

Heli Sahlman (KAU)

Ilpo Moisio (KAU)

Gary Anderson (SHO)

Jürgen Gerdes (NOR)

Ingo Zdralik (NOR)

Denis Zobrist (STR)

PMMD Team is part of Paper Business Group / Maintenance Support organization

PMMD Team main activities are:

- MRO Material Master Harmonization (MMH) data review & support:
 - Material Master Harmonization
 - Investment projects
 - Migration projects
- Daily Material Master request handling
- General Material Master Rules, Instructions and Dictionary updates

→ **ALL ABOVE = ON-GOING DATA MANAGEMENT (ODM)**

Harmonization Processes and key tools existing

- SAP Portal → Workflow for individual Material Master requests
- Material Master Harmonization System (MMHS)



Why Material Master Harmonization?

- SAP data structure requirements → Technically mandatory in migration
- Centralized data maintenance process → Control of data quality
- Global Plant Maintenance and Sourcing processes and reporting
 - Harmonized data required to support global processes
 - Material cross-usage → Material Requirement Planning (MRP)
 - Stock Material optimization → Regional MRP (cross-mill)
 - Source of Supply
 - Plant Maintenance processes
 - Transparent and Equivalent reporting
 - Sourcing statistics



What is harmonization? 1/2

- Data structuring → Material Grouping / Classification & Characteristics
 - Used in UPM Group (PBG, PLY, Timber, BioFuel)

Matl Gro...	Material Group Desc.	Description 2 for the material group
0608	##BEARINGS	##BEARING PARTS, BEARING ACCESSORIES
060801	BEARING DEEP GROOVE	DEEP GROOVE BALL BEARINGS
060802	BEARING SELF ALIGN	SELF ALIGNING BALL BEARINGS
060803	BEARING ANGULAR CONT	ANGULAR CONTACT BALL BEARINGS
060804	BEARING CYLINDRICAL	CYLINDRICAL ROLLER BEARINGS
060805	BEARING NEEDLE ROLL	NEEDLE ROLLER BEARINGS
060806	BEARING SPHERICAL RO	SPHERICAL ROLLER BEARINGS
060807	BEARING TAPER ROLL	TAPER ROLLER BEARING
060808	BEARING THRUST BALL	THRUST BALL BEARINGS
060809	BEARING CYLIND THRU	CYLINDRICAL ROLLER THRUST BEARING
060810	BEARING NEEDLE THRU	NEEDLE ROLLER THRUST BEARINGS
060811	BEARING SPHERICAL TH	SPHERICAL ROLLER THRUST BEARING
060812	BEARING PLAIN	PLAIN BEARINGS
060813	BALL SOCKET JOINT	BALL AND SOCKET JOINT, ROD ENDS
060850	BEARING UNITS	BEARING UNITS
060851	BEARING HOUSINGS	BEARING HOUSINGS
060852	BEARING SEALS	BEARING SEALS
060853	BEARING ACCESSORIES	BEARING PARTS AND ACCESSORIES
060890	BEARING OTHER	BEARINGS OTHER

Class	Description
060801	MD_BEARING_DEEP_GROOVE_01

Characteristic Description	Value
DIAMETER INNER (mm)	25
DIAMETER OUTER (mm)	52
WIDTH (mm)	15
PROPERTY	
BASIC NAME EN	GROOVED BALL BEARING
BASIC NAME FI	URAKUULALAAKERI
BASIC NAME DE	RILLENKUGELLAGER
MANUFACTURER	SKF
MANUFACTURER TYPE	6205 2Z C3



What is harmonization? 2/2

- Activities for data harmonization
 1. Update & process data on Material Master Harmonization Tool
 - Data enrichment, normalization and formatting – review & validation
 - Identify obsolete Material Masters
 2. De-duplication (Batch and Real Time)
 - Identify duplicate Material Masters and utilize already existing data
 3. Delete obsolete Material Masters

SAP Nr	Short Description EN	Short Desc EN	Short Desc FI
10000875	BUSHING 50/55 40 WFM 5055-40 IGUS	BUSHING 50/55 40 WFM 5055-40 IGUS	LAAKERIHOLKKI 50/55 40 WFM 5055-40 IGUS
10000875	BEARING 50/55X40 IGUS WFM-5055-40	BEARING 50/55X40 IGUS WFM-5055-40	LAAKERI 50/55X40 IGUS WFM-5055-40
18745917	BUSH WFM-5055-40 VAL0018999 METSO	BUSH WFM-5055-40 VAL0018999 METSO	HOLKKI WFM-5055-40 VAL0018999 METSO
18660066	BEARING WFM-5055-40 IGLID	BEARING WFM-5055-40 IGLID	LAAKERI WFM-5055-40 IGLID



Microsoft Excel Worksheet

Short Desc DE	Short Desc FR	Short Desc ZH
BUCHSE 50/55 40 WFM 5055-40 IGUS	COQUILLE DE COUSSINET 50/55 40 WFM 5055-	式滑动轴承轴套 50/55 40 WFM 5055-40 IGUS
BUCHSE WFM-5055-40 VAL0018999 ME		衬套 WFM-5055-40 VAL0018999 METSO



Why Winshuttle?

- User-friendliness
 - Easy to start – easy to use
 - Authorization = SAP authorization
 - Developer - Runner
- Simple tool for mass updates
 - No IT support required
 - Replaces SAP LSMW mass-maintenance tools in some cases
- End-User support
 - Helpdesk
 - Trainings
- Used by PM and HR
 - 18 Developer / Runner licenses
 - to be used also in MM and FI?





Winshuttle examples 1/2

- Short Descriptions: Transaction MM02 – Function Module

Material Number RMMG1-MATNR	Language Key SKTEXT- SPRAS(08)	Material Description (Short Text) SKTEXT-MAKTX(08)	Log Winshuttle RUNNER for TRANSACTION 10.4 MM02 SHORT DESC UPDATE LANGUAGES.TxR 15.02.2013 15:08:36 Mode: Non-Batch without Controls UP6-790, k101492
19201500	DE	TRANSFORMATOR TZI 5/100 T 84331381 ELSTE	Material 19201500 changed
19201500	FI	MUUNTAJA TZI 5/100 T 84331381 ELSTE	Material 19201500 changed
19201500	FR	TRANSFORMATEUR TZI 5/100 T 84331381 ELST	Material 19201500 changed
19201500	ZH	点火变压器 TZI 5/100 T 84331381 ELSTE	Material 19201500 changed

Descriptions Units of measure Spec Assignment Ad

Material  

Language	Material Description
EN	TRANSFORMER TZI 5/100 T 84331381 ELSTE
ZH	点火变压器 TZI 5/100 T 84331381 ELSTE
DE	TRANSFORMATOR TZI 5/100 T 84331381 ELSTE
FR	TRANSFORMATEUR TZI 5/100 T 84331381 ELST
FI	MUUNTAJA TZI 5/100 T 84331381 ELSTE



Winshuttle examples 2/2

- Classification: Transaction MM02 – Batch mode

Material Number RMMG1-MATNR	Class Type RMCLF-KLART	Characteristic description RCTMS-MNAME(01)	Characteristic Value RCTMS-MWERT(01)	Log Winshuttle RUNNER for TRANSACTION 10.4 MM02_CLASSIFICATION_VALUES.TxR 18.02.2013 15:27:08 Mode: Batch UP6-790, k101492
19201500	001	MD_BASIC_NAME_EN_01	IGNITION TRANSFORMER	Material 19201500 changed
19201500	001	MD_BASIC_NAME_FI_01	SYTYTYSMUUNTAJA	Material 19201500 changed
19201500	001	MD_BASIC_NAME_DE_01	ZÜNDTRANSFORMATOR	Material 19201500 changed
19201500	001	MD_BASIC_NAME_FR_01	TRANSFORMATEUR D'ALLUMAGE	Material 19201500 changed
19201500	001	MD_BASIC_NAME_ZH_01	点火变压器	Material 19201500 changed
19201500	001	MD_MANUFACTURER_01	ELSTER KROMSCHRÖDER	Material 19201500 changed
19201500	001	MD_MANUFACT_TYPE_01	TZI 5/100 T	Material 19201500 changed
19201500	001	MD_DOCUMENT_01	84331381	Material 19201500 changed
19201500	001	MD_DOCUMENT_01	MSK-00061233	Material 19201500 changed
Values for Class 061204 - Object 19201500				Material 19201500 changed

General	
Characteristic Description	Value
BASIC NAME EN	IGNITION TRANSFORMER
BASIC NAME FI	SYTYTYSMUUNTAJA
BASIC NAME DE	ZÜNDTRANSFORMATOR
BASIC NAME FR	TRANSFORMATEUR D'ALLUMAGE
BASIC NAME ZH	点火变压器
MANUFACTURER	ELSTER KROMSCHRÖDER
MANUFACTURER TYPE	TZI 5/100 T
DOCUMENT	84331381
	MSK-00061233

Questions?



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