

Successful Implementation of SAP S/4 HANA Product Lifecycle Management

David Mehornay – Business Solution Manager- PLM – Delta Faucet Sanjaya Una – Sr. Solution Architect/Practice Director – PLM/PPM - GyanSys Inc Session ID - 82967

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About the Speakers

David Mehornay

- Business Solution Manager PLM Delta Faucet
- 25 + years experience in Business and IT

Sanjaya Una

- Sr. Solution
 Architect/Practice Director
 GyanSys Inc
- 20 + years experience PLM/PPM/PS/IM/DMS



Key Outcomes/Objectives

• Replace the following systems

JD Edwards

- NPD Database
- Data Warehouse and Reporting Tools



Agenda

Introductions – Company

Delta Journey

PLM Architecture & Deployment Strategy

Case Study

Lesson Learned

Q&A



Who is Delta Faucet Company?

Where passion flows

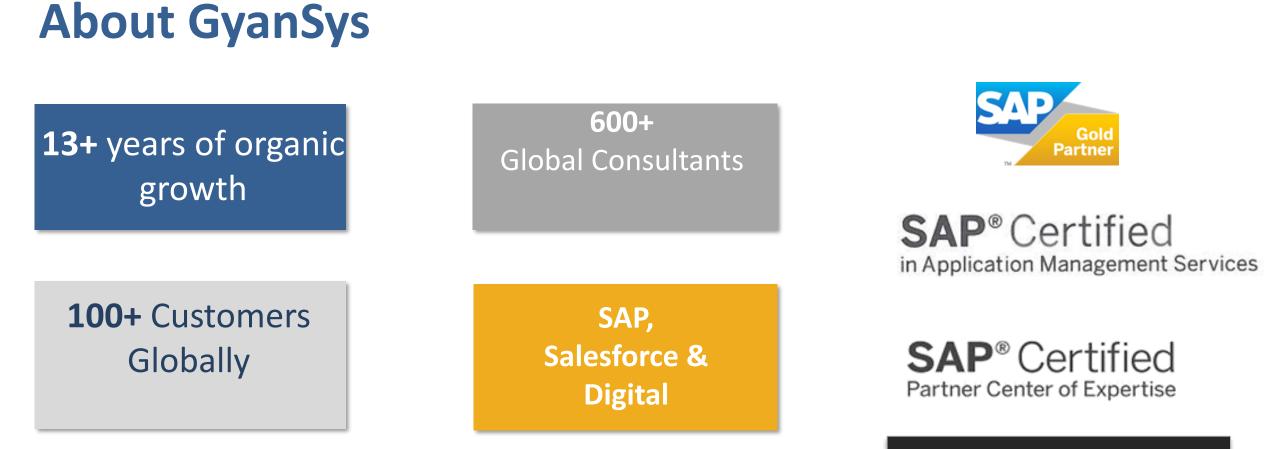
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Hand-F

DELTA FAUCET COMPANY SNAPSHOT







- SAP's trusted partner since 2008
- Cost-effective implementation
- Accelerators for S/4HANA, IBP, Ariba, Leonardo, Hybris & PLM

GyanSys uses **SAP SuccessFactors** for managing its Employees Performance & Goals

GyanSys S/4 Practice

Greenfield Implementation	S/4 Technical Migration / Upgrade	S/4 Functional Upgrade
Central Finance	S/4HANA Assessment	B4HANA / BPC on HANA

20+ Active HANA Initiatives 250+ S/4 HANA experienced consultants

Gartner has cited GyanSys as an SAP S/4HANA re-seller & services partner including SAP Leonardo



Gartner. CISUG

Some of our S/4 Accelerators

- Tools
 - S/4 Code Remediation
 - S/4 Security Role Correction
 - Easy EDI Integrator
 - S/4 to Salesforce Integrator
 - S/4 HANA Interface Monitoring Tool
 - Migration Tool for Specifications, Value Assignment
 - Migration Tool for Engineering Record
 - Excel Upload for BOM creation
 - Migration Tool for Inspection Plan, QIR & Quality Levels

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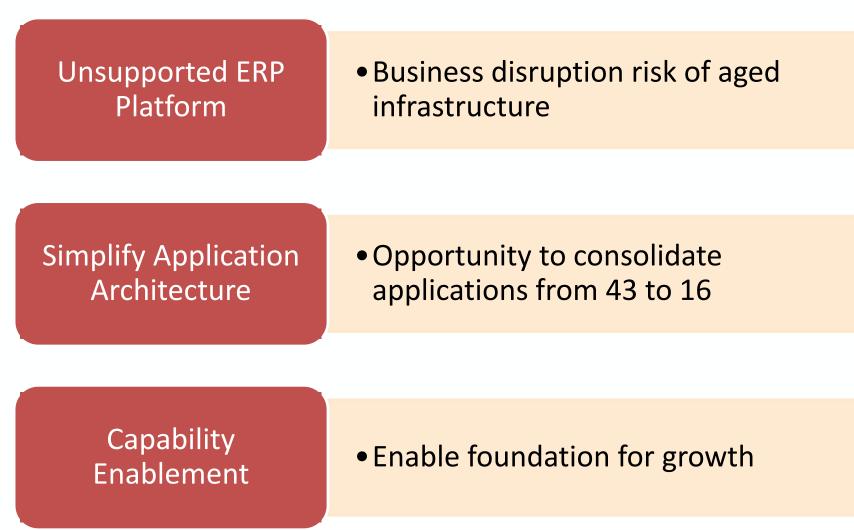
Lesson Learned

Q&A

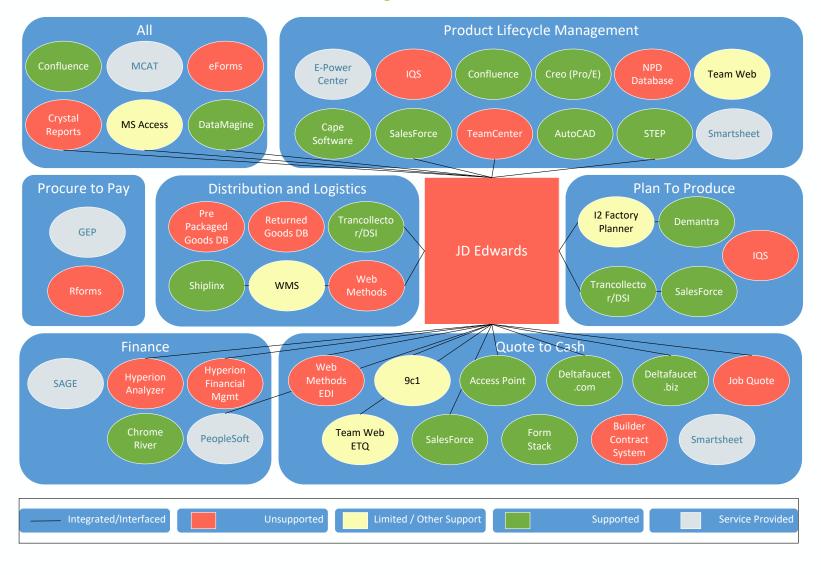


Delta Faucet Case for Change

3 Key Drivers create impetus for change

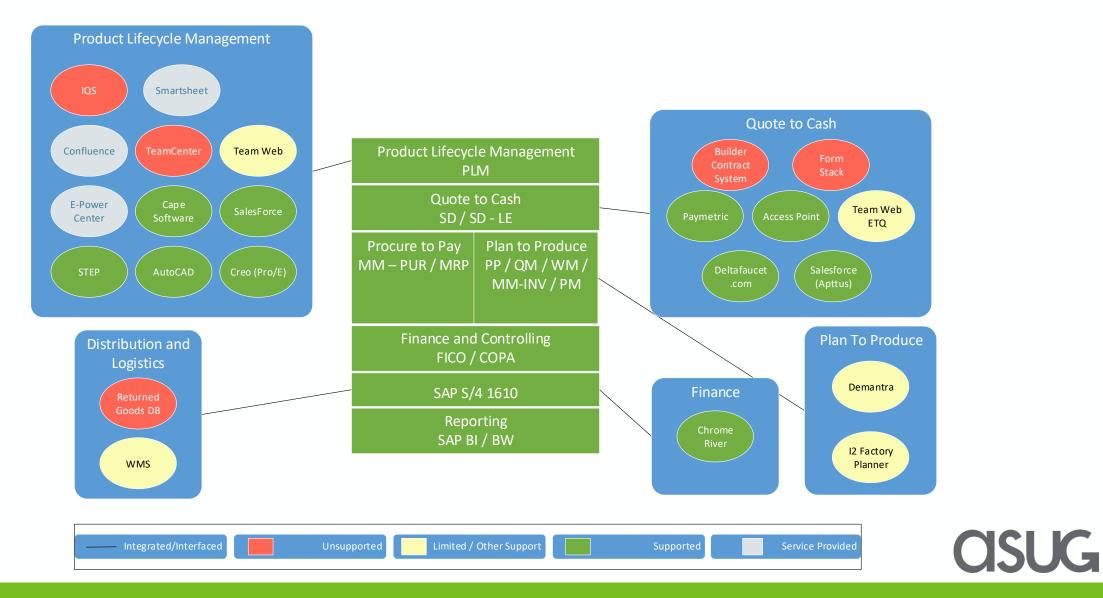


Pre SAP Delta IT Ecosystem



OSUG

Current Delta IT Ecosystem



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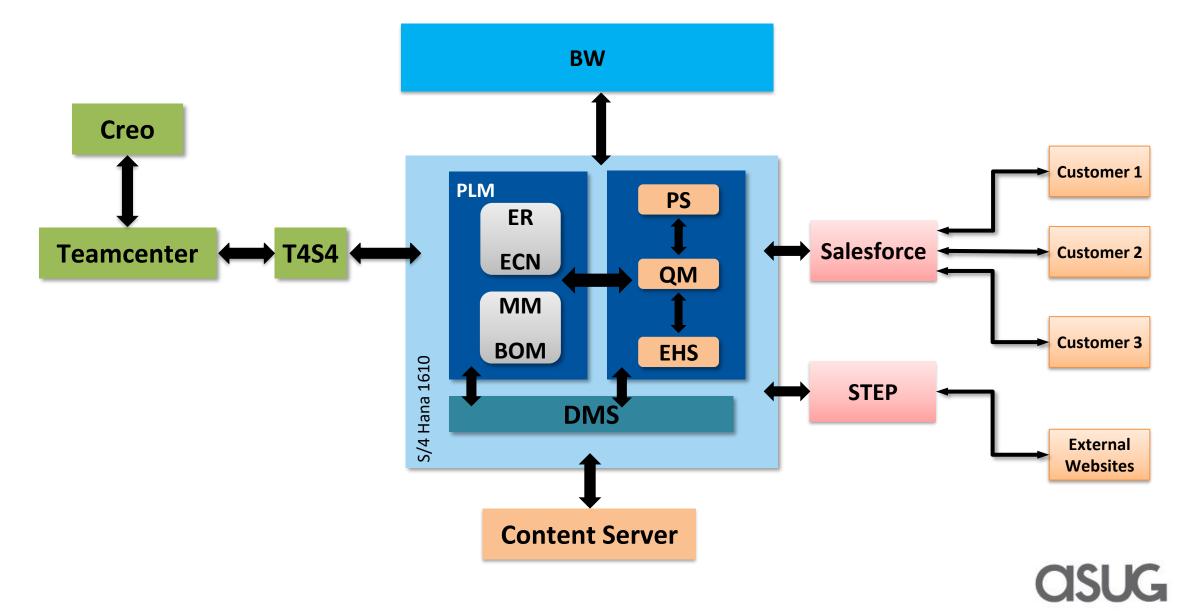
Case Study

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S/4 Hana PLM Architecture for Delta



Delta PLM Road Map

Phase 1

New Product Development

- •Project System
- •Product Data Mgmt.
- •Workflow
- Quality Mgmt.InspectionsNCM/CAR/QAT
- •PPAP
- •DMS
- Compliance
- •Interfaces
 - •Teamcenter •SFDC

Phase 2

Stabilization and Enhancements

- •Gages and Tooling •Automation for Material
- Master using workflow
- •Obsolescence process
- •Quality Process Stabilization for PPAP/CAR

Phase 3

Upgrade to S/4 HANA 1809

Supplier Quality Management
Product Compliance Streamlining
PMI



PLM Functionality

PLM	PS	QM	PLM Compliance Leveling
 Materials Components Semi finish Finish good Tooling PBOM Engineering Record Process Route BOM Redlining DMS Structured Unstructured Classification Product Costing 	 Create Project Update Project Project Performance Status Metric Management Templates Resource Assignment to WBS element Cost Planning for CAPX & EXPX Commitments Automatic creation of AUC Project Execution Project Stock for PPAP Production Order Month end process Asset Project Closure DMS 	 Source inspection Incoming Inspection In process Inspection Final Product inspection Integrated inspection Gauges Documentation Standardized the code Notification PIR(Product incident report) /PAR/CAR- NCM (Non confirming material MRB (Material Review Board) PPAP Control planer (FMEA) Gauge Calibration inspection DMS 	 Specification Environmental Parameters Regulatory List Substance Type Product Compliance attributes Value based assignment DMS

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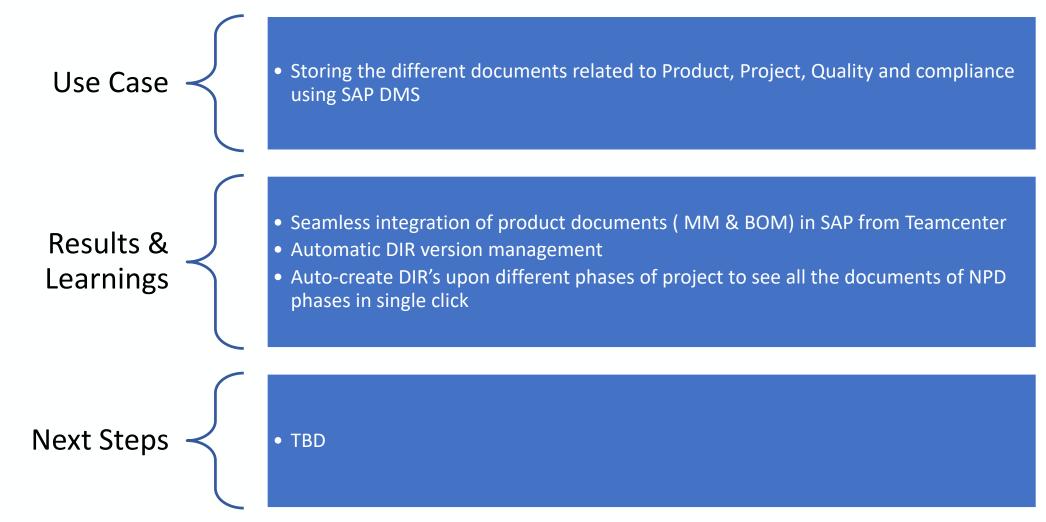


Implementation of PLM & PS

• Review, complete replacement of legacy offline NDP application (MS Access) using Use Case SAP PLM & PS, SAP NWBC • Integration with STEP & Salesforce Seamless integration between Teamcenter & SAP for Material & ECM using T4S4 • Material Tracking, PPAP & Purchasing tabs in the Engineering Record (ER) to track the Material Progress which provide single window to manage 50 - 1000+ materials • Auto creation of ER, Project Scheduled, Cost Planning, Budgeting and Cost Tracking **Results &** using PS for Capital & Expenses Learnings • Workflow automation for setting up of Finish Good, Semi-finish and component materials from ER • Project Dashboard provides all project status using single click Next Steps • Automation of Manual Process

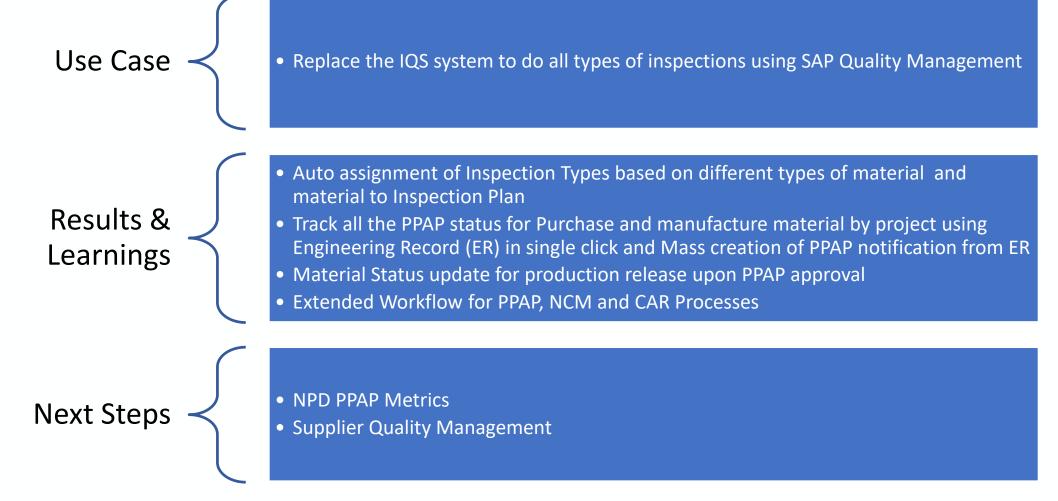


Implementation of DMS





Implementation of Quality Management





Implementation of Product Compliance

Use Case \prec

- Replace Product Compliance MS access data base
 Standardized & Dynamic Label Printing

Results & Learnings

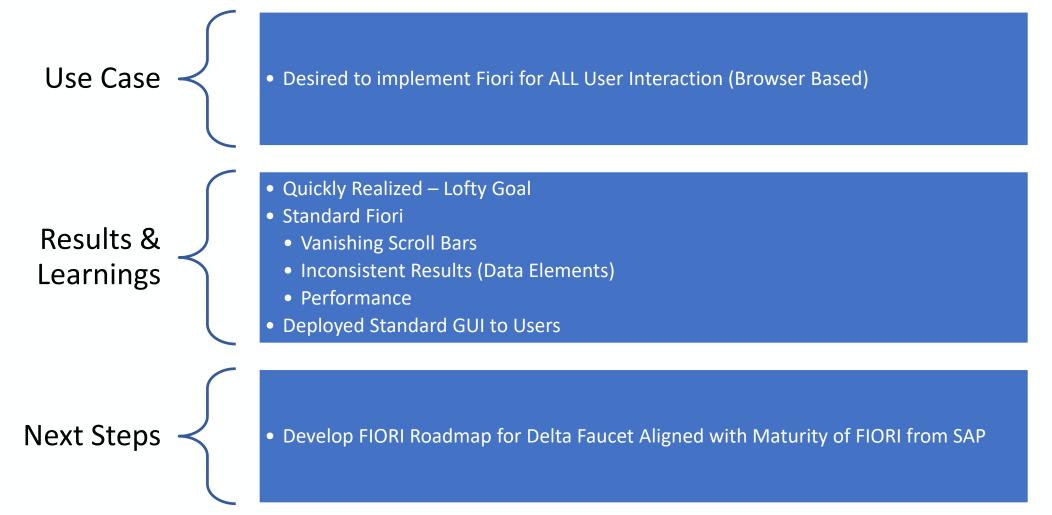
- Product Compliance listing regulation for individual using Specifications Management • Automatic Creation of Specification Management for Finish Good, Components • Streamline the Sales Order Product compliance data blocking logic
- Zlabel Solution for different types of printing in integration with Loftware

Next Steps ≺

PMI
Improve the data governance by optimizing data validation using business rule



Utilize Fiori 2.0 for User Interface

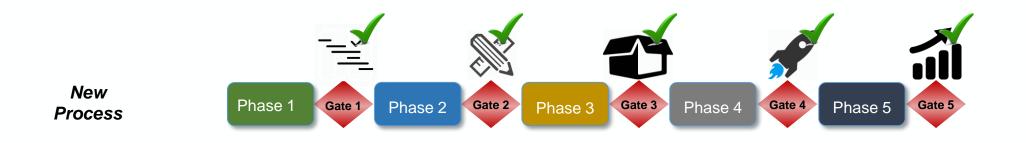


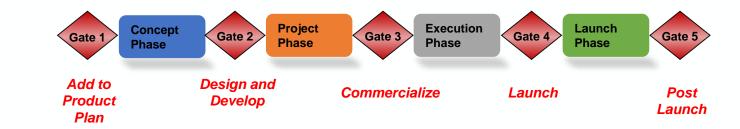


Delta's Stage Gate Process

Old

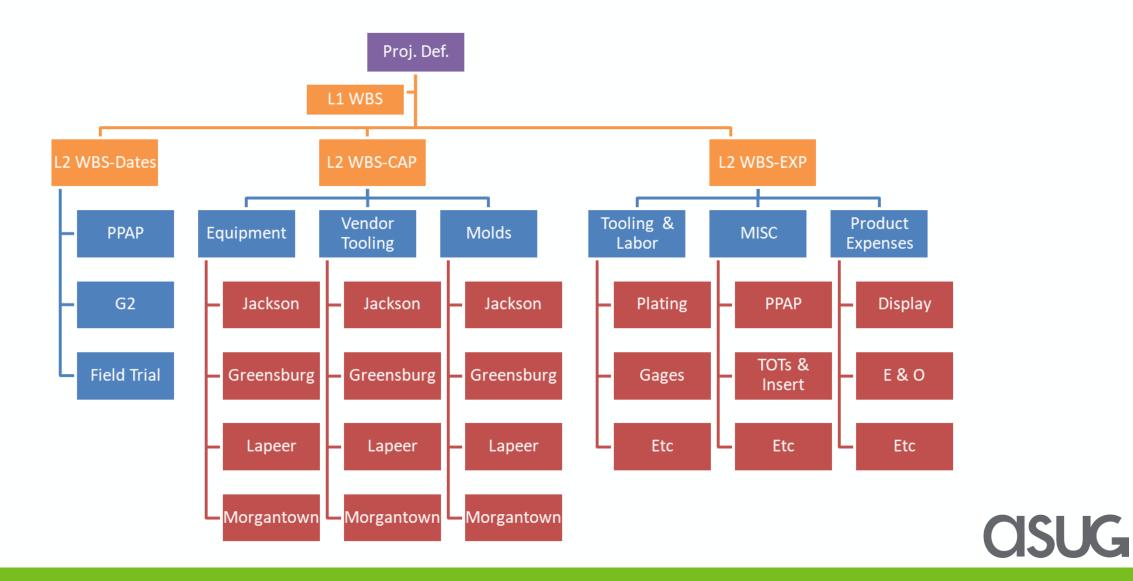
Process



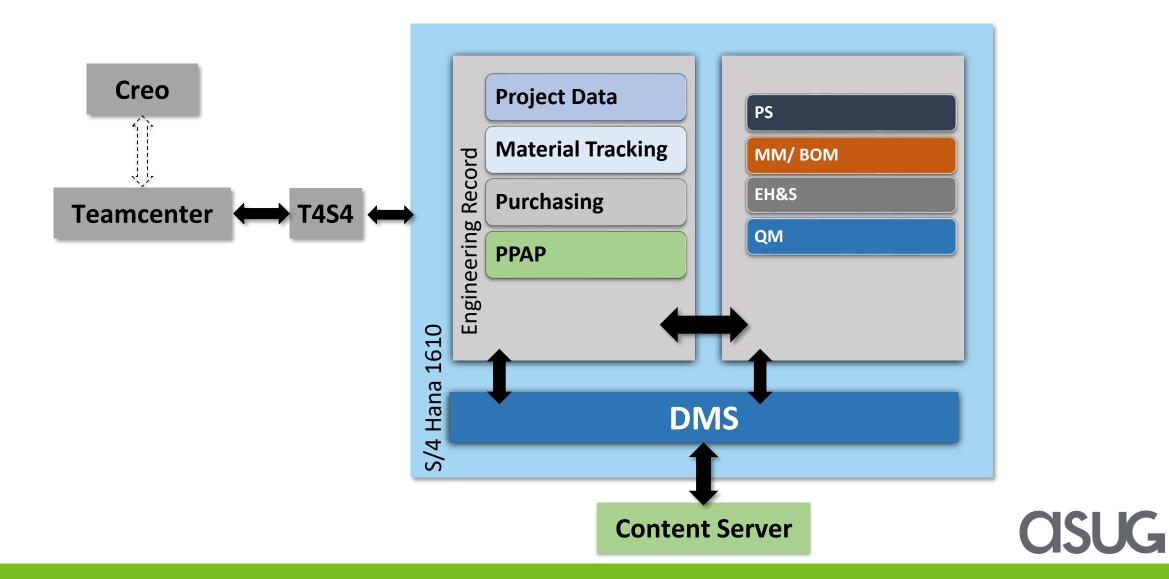


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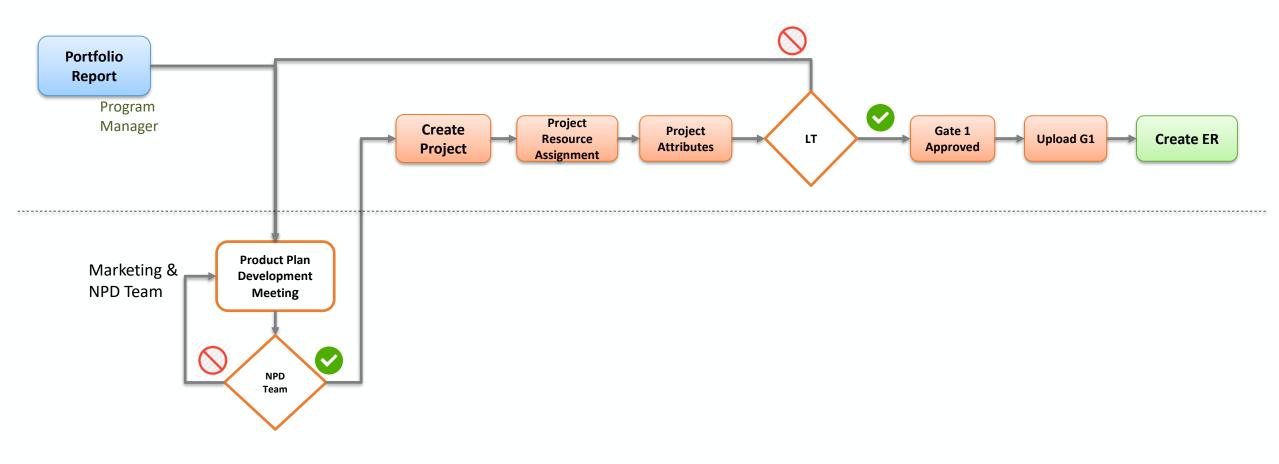
Project Structure Hierarchy



Engineering Record for ECM process



"ER Creation" Process





ER created from Project

Ch	ange Enginee	ering Reco	ord: :	38							
Save	Start Approval	Read Only	Check E	Entries Show Head	er Data Additional	Functions Related Li	nks				
Reco	ord Number 38 E	escription TE	ST for iss	sue 5 Engineeri	ng Record Type ZN	IPD Status In Process	Run-In Date 2017.06.27				
	Items Process F	Route Notes	s Do	ocuments Admi	nistrative Data	Material Tracking	PPAP Purchasing				
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	ew: [Standard View]	✓ Print	Version	Export							
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	X00090770-05	ZHLB	1310	0.000	F		Spout		20.000	40.000	
	B10311-6032R-WH	ZFRT	1310	0.000	F		60X32" BATHTUB RIGHT DRAIN		0.000	10.000	
	X00020561BL-10	ZHLB	1010	0.000	F	Z1	HEAD ASSY-SOAP DISP	LC1	0.000	0.000	
	RP1001BL	ZFRT	1020	0.000	E		SOAP/LOTION DISPENSER	LC1	0.000	0.000	
	RP62795NK	ZFRT	1010	0.000	E		Lift Rod Assembly		0.000	0.000	
	X00020561BL-10	ZHLB	1310	0.000	х		HEAD ASSY-SOAP DISP	LC1	0.000	0.000	
	X00001713	ZHLB	1310	1,000.000	E		BONNET	LC1	0.000	0.000	T08LBBG
	RP1001BL	ZFRT	1010	0.000	F		SOAP/LOTION DISPENSER	LC1	0.000	0.000	
	X00001713	ZHLB	1090	9.000	E		BONNET	LC1	0.000	0.000	
	RP1001BL	ZFRT	1090	0.000	F		SOAP/LOTION DISPENSER	LC1	0.000	0.000	



Information in the ER – Header

- Shipping status of the project Red/Yellow/Green
- Supplier & Plant PPAP Dates
 - Planned Gate 3 Dates
 - Current Forecast Dates

Display Engineering Record: "	1234
P Edit 🗘 Hide Header Data Additiona	I Functions Material Load Related Links
Record Number 1234 Description TEST for	attributes Engineering Record Type ZNPD Status Change Request in Process Run-In Date 05/28/2017
Header Data	
Engineering Record Description:	TEST for attributes Long Text Engineering Record Status: 20-Change Request in Process
	Target Run-In Date: 05/28/2017
Lead Change Number:	5000000002 TEST for attributes
Change Number Status:	01 Active
Shipping Status:	G3 MFG PPAP Appvi: 05/31/2017
Current MFG PPAP App:	05/02/2017 G3 PFG PPAP Approval: 05/25/2018
Current PFG PPAP App:	05/19/2017 1010:G3 Cmp PPAP App: 05/28/2017
1010:Cur Cmp PPAP AP:	05/25/2017 1020:G3 Cmp PPAP APP: 05/23/2017
1020: Cur Comp PPAP:	05/27/2017 1060: G3 Cmp PPAP Ap: 05/28/2017
1060:Cur Cmp PPAP Ap:	05/19/2017 1310:G3 Cmp PPAP Apv: 06/22/2017
1310:Cur Cmp PPAP Ap:	05/28/2017 1310: G3 Comp Finish: 05/17/2017
1310:Cur Fin Cmp PPA:	05/31/2017 Program Manager:
Items Process Route Notes D	ocuments Administrative Data Material Tracking PPAP Purchasing Classes Characteristic Values



Project Dashboard

- All Projects Dashboard
- Sigle click to see all project information
- Drilldown navigation to each project
- Financial Data by Capital & Expense

ew: Finan	ncial View	✓ Print Version	Export _								
Project	ct Number	Project Description		Total Capital Budge	et Total Ca	apital Commitment	Total Capital Actual	Total Expense Plann	ed Cost To	tal Expense Commitment	Total Expense Actual
2961		Esque		0	.00	0.00	0.00		0.00	0.00	0.0
3006 Tiger Team CS Improvements				0	.00	0.00	0.00		0.00	0.00	0.0
3012		New Series(PFG+MFG)	- ITC2 Test	0	.00	0.00	0.00		0.00	0.00	0.0
3013		ITC3 - MFG/PFG Trade I	Projects	330,000	.00	9,006.00	100,500.00	3	315,000.00	0.00	548.2
3014		Foundations Toilet to Am	azon and THD.com	0	.00	0.00	0.00		0.00	0.00	0.0
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Project iew: [Stat Project 2961	Engir ect Dash andard View) ect Number	neering Structures Create Engineerin Create Engineerin Project Description Esque	Administration ng Record Display on Export _	Development Group r Engineering Record r Project Team TRADE KITCHEN	Sea	arch Manag board Project Type Sys Rei	er Maintenance	Engineer Ma	nagement D	s Gate 2 Forecast Date	

K

Engineering Record Overview

ER Lead Change # is referenced on Level 1 WBS Element

Display Engineering Record: 3443 <pre></pre>	7/2018
Header Data Engineering Record Description: 04 2018 THD Bath Stackout	Identification and view selection

Workflow Automation for NPD

- Workflows are initiated from the Materials Tab.
 - ✓ Traffic Light Indicators display if workflows have been initiated, In-Process or completed

E	dit 🛛 🗘 🛛 SI	how Header Data	a Additional Functi	ons You can	also Related	I Links					
eco	rd Number 3443	Descriptio	on Q4 2018 THD Ba	th Stackout	Engineering Re	cord Type ZNPD	Status In F	Process Run-In Dat	e 10/17/2018		
	Items Proc	ess Route	Notes Documer	nts Administ	rative Data	Material Tr	acking	PPAP Purchasing			
/iev	v: * [Standard Vie	ew] 🗸 F	Print Version Expo	t _ Initial Setup	WF Final Se	tup WF Start Con	nponent WF	Display Component WF			
ē	Material	Rev Level	Revision Date	Matl Type	Plant	Initial WF	Final WF	Unrestrict Stk	Quality Stock	Environme	Procureme
	D25911LF-16	A	04/11/2018	ZFRT	1310	000	00	0	0		F
	D25911LF-12	А	04/11/2018	ZFRT	1310	000	00	0	0		F
	D25741LF	А	04/11/2018	ZFRT	1310		00	0	0		F
	25911LF			ZFRT	1310	000		0	0	Х	F
	DB2511LF	А	04/11/2018	ZFRT	1090			312	0		F
	D25911LF-16	А	04/11/2018	ZFRT	1090	000		0	0		F
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- Must use the "new stuff" to really see significant performance increases
 - Engineering Records with Large Number of Materials
 - Mass creation of Project & WBS elements and Status update
 - Period End Process transactions: CJ8GH,CJB1, etc.
 - CDS views for reporting
- Some ECC transactions have been sunset in S/4: MMSC
 - Many MB1A, MB1B, MB1C, etc. migrated to MIGO



- Production versions are MANDATORY in S/4:
 - A production version is required in order for MRP to explode the BOM during planning
 - This includes phantom assemblies (a production version without a routing is created)
 - Data Cleansing needs occur sooner and dedicated resources



- Map out ahead of time what you want to be able to report on using BI
 - Many more options are now available in S/4 core
 - Can be much faster depending on underlying table structure (CDS)
 - Can be very confusing to implementation team as both systems can frequently be viable for the same reporting requirements, hence the need for an overall reporting strategy
- Cultural change is needed to leverage BI tools
 - Organization was report driven and not used to self-service in many areas



 Pay careful attention to 3rd party software to ensure they are certified

• S/4 MM/PP processes are much the same as they were in ECC (without FIORI)



What Made Successful

- Core team of dedicated process experts from each business area
- Core team and Consulting partner worked as a one team
- Executive leadership buy in and parent company support
- Deep understanding of Business use cases and develop the solution accordingly



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Presentation Materials

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