

Welcome!

NDIA-IPMD Quarterly Meeting

Jim Davis
SAP Aerospace & Defense Industry Business Solutions

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SAP

The NDIA logo features the letters "NDIA" in a large, bold, red, sans-serif font. Below this, the full name "National Defense Industrial Association" is written in a smaller, red, sans-serif font, underlined.

NDIA
National Defense Industrial Association

IPMD Charter



IPMD Charter

“...further best practices and development of their integrated program management policies and procedures”

“... use of EVM as an integrating process providing visibility into program technical, schedule, and cost progress for management decision making, for the mutual benefit of suppliers and customers”

“... improving integrated program management practices”

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SAP®



Run Better

Challenges



Policy / Procedure
Inconsistent Execution
Process integration
Information accuracy, accessibility

Withhold statistics as of October 22, 2013

Source PwC/DCMA – Business Systems Certification presentation - SAP A&D Innovation Days 2014



Challenges

“If we look at the demographics of our workforce across Boeing and much of the aerospace industry, about 50 percent of our top engineers and mechanics will be eligible to retire over roughly the next five years.”

-Dennis Muilenburg, President and COO, The Boeing Company

*“U.S. aerospace, aviation industries see threats in aging workforce” by Elvina Nawaguna
<http://www.reuters.com/article/2014/03/13/usa-aerospace-workforce-idUSL2N0MA13S20140313>*



Meeting the Challenge

Improve integration, access and enhance user experience

“An incremental, fragmented approach to technology will result in incremental, fragmented outcomes.”

- *Ed Magee, General Manager York Vehicle Operations
Harley Davidson Motor Company*

Source – Leveraging Technology to Drive World-Class Operational Improvement presentation - SAP A&D Innovation Days 2014

Integrating Program Management

Planning /
Forecasting

Monitoring

Executing

ERP

Projects
Contracts
Manufacturing & Planning
Procurement & Supply Chain
Engineering

Other
Systems

HANA In-Memory Platform

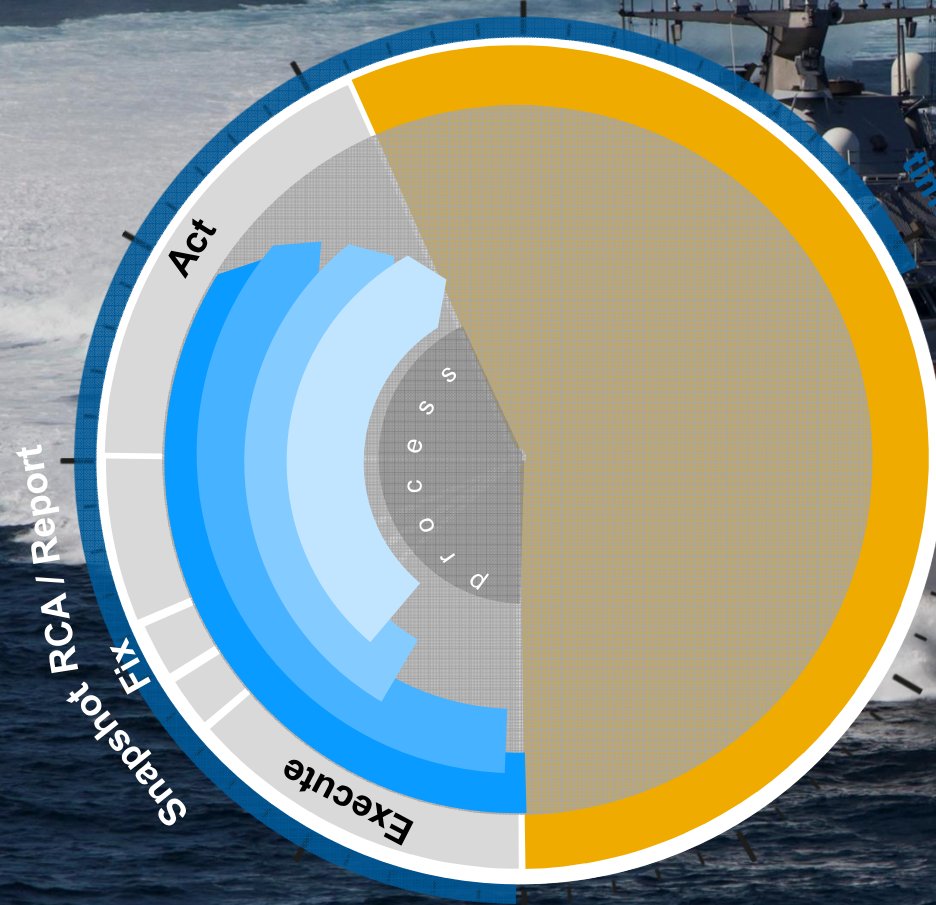
Making it possible - The HANA In-Memory Platform Experience



Honeywell



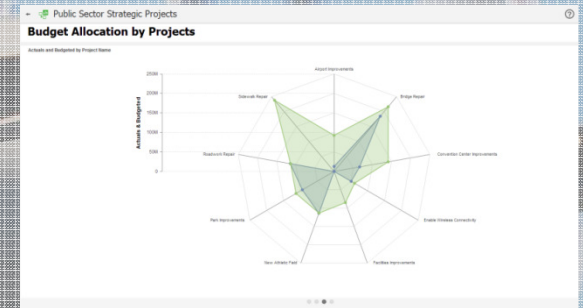
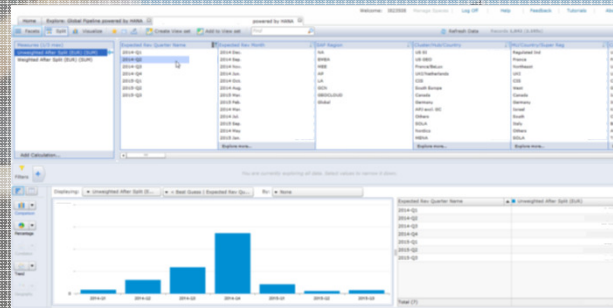
Earned Value in SAP ERP



Benefits

- Minimize NVA time
- Fix once
- Faster RCA / Reporting
- Maximize Value added
- Collapse overall timeline

Project Analysis



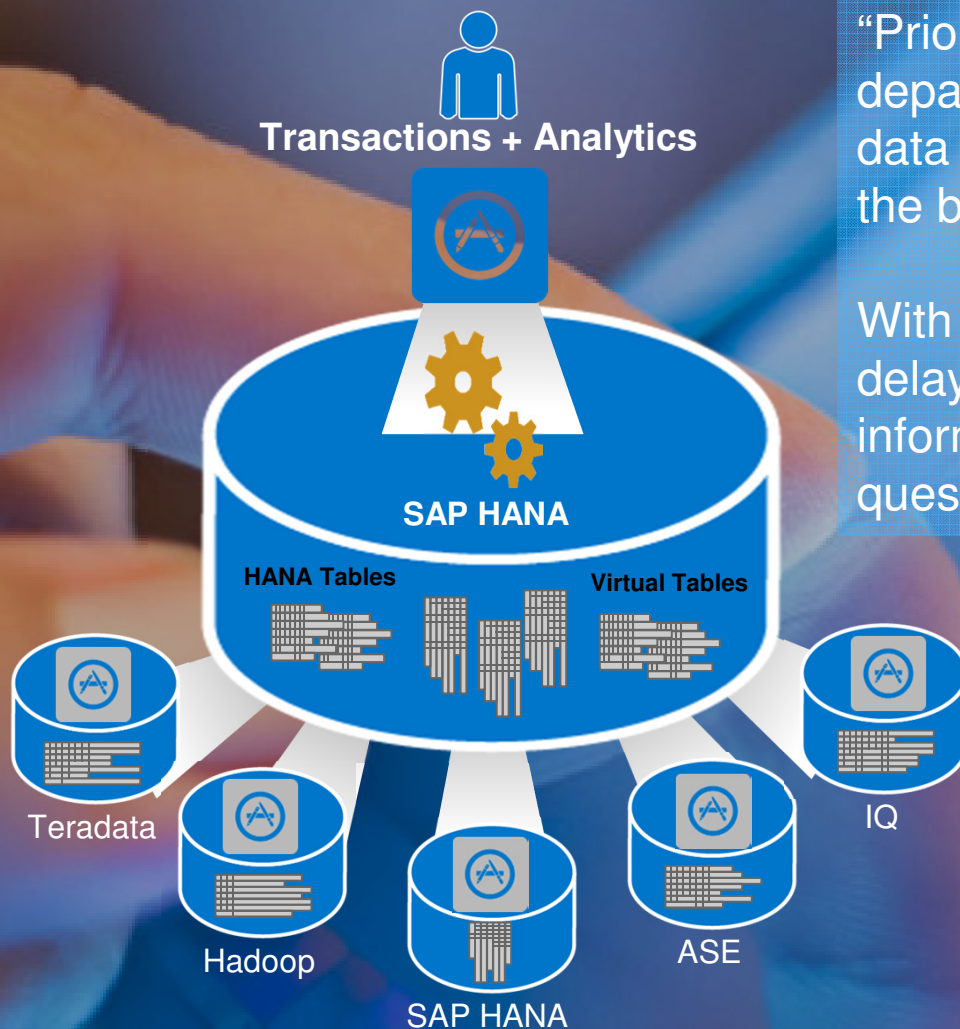
HANA In-Memory Platform

ERP

Projects
Contracts
Manufacturing & Planning
Procurement & Supply Chain
Engineering

Other
Systems

Making it possible Self Service BI / Lumira

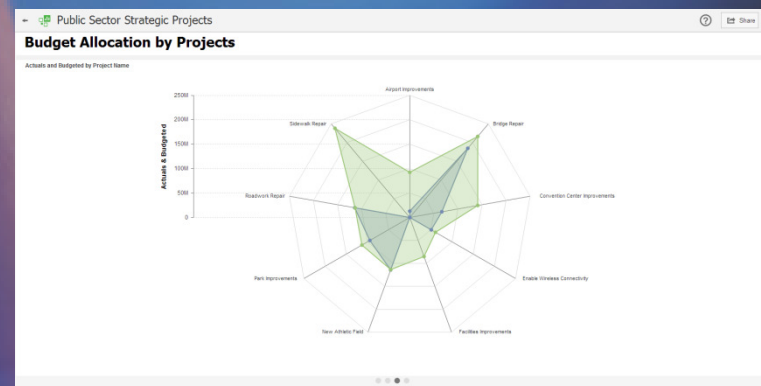
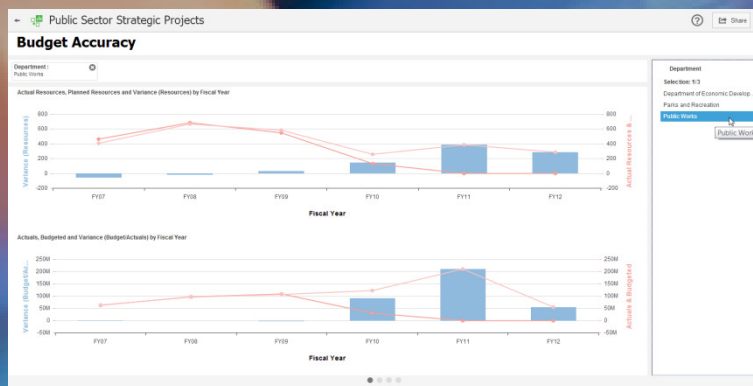
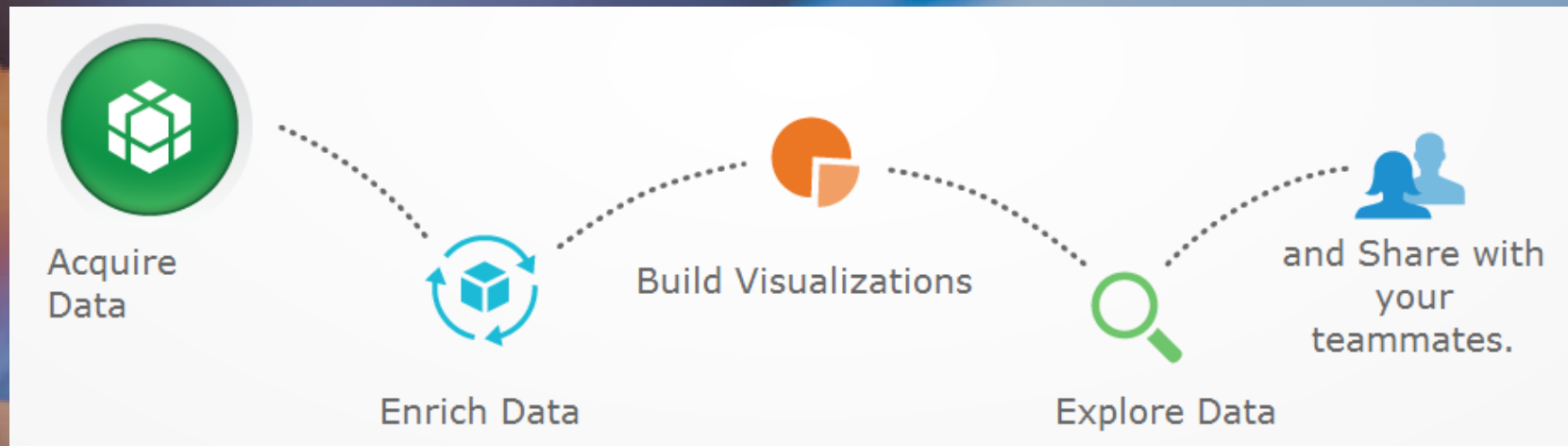


“Prior to adding SAP HANA, the IT department would extract huge amounts of data every day and store it for evaluation by the business team the next day...

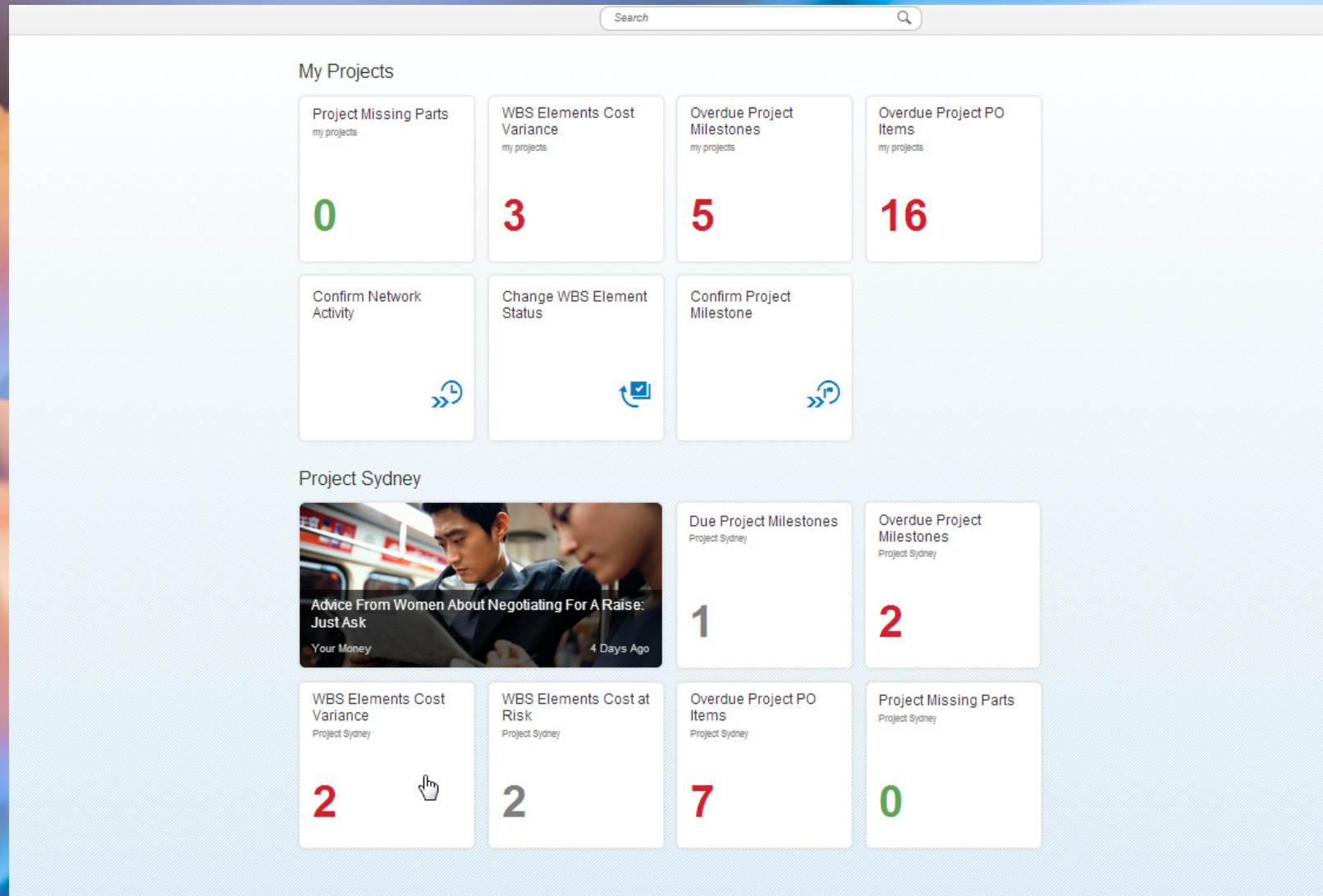
With the new system, however, there is no delay in retrieving and analyzing information, and users get answers to questions they compose on the spot.”

*Justin Replogle
Senior IT Director
Honeywell Aerospace*

Making it possible Self Service BI / Lumira



Making it possible – Smart Business Cockpit



Making it possible – Smart Business Cockpit

4500017659

Purchase Order

General Information

Supplier: Sunny Electronics GmbH
Order Type: Standard PO
Created On: 05.02.2014
Terms of Payment: 14 Days 3%, 30/2%, 45 net
Incoterms: Ex WorksStuttgart
Company: IDES AG
Purchasing Group: Equipment
Purchasing Organizati... IDES Deutschland

Contact

Created By: PSUSER1
Email: psuser1@sap.com
Phone:

Items (1)

E-Schaltschrank, 127.822,95 EUR

Purchase Contracts (0)

No content available

Supplier Invoices (0)

No content available

Goods Receipts (0)

No content available

Purchase Requisitions (0)

No content available

Discuss

Share

Save as Tile

Send Link by E-mail

Open In...

System Hilfe

Bestellung anlegen

Bestellart Org. Kopf N

Bestellkopf IL - Produktionsdienstleist

VArt nk Monika

Kred Studio GmbH Leip

Kost FL Bearbeitung

Überschrift

Bestellpositionen

Arbeitszeitblatt: Erfassungssicht

Erfassungszeitraum 25.02.2013 - 03.03.2013 Woche 09.2013

Arbeitsvorrat

EmpfAuftrag	Projekt	Aufgabe
505215249	S12_MOS2_MAN_COCKPIT	Testing
505219407	S12_GENEVA_1.0	Product & Project Management
505219407	S12_GENEVA_1.0	Testing

Erfassungsbereich

Zt	EmpfAuftrag	Netzplan	Vo...	Typ	Projekt ID	Aufgaben ID	Bezeichnung	ME	Summe	MO	25...	DI	26.02	MI	27...	DO	28...	FR	01...	S
							Geplante Arbeitszeiten	T	5,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	
							Summe der Stunden/ Minuten (von C.H		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	
							Summe der Tage (von CAT2/CATW)	T	5,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	
							Summe insgesamt in Tagen	T	5,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	
	7462546				PMGT		Cross Product Services - Mobile @ Sul...	T	5,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00		
	505215249				PMGT	S12_MOS2_MAN_COCKP...	Customer/Partner Engagement Act. ...	T												

Eintrag 1 von 6

SAP

F-Preise Preisentw.

SendDat

Dauer

10.1 Zulieferung zu TS/TT/Mi...

Create Material 19004000448 (Mold and Containers)

Master Data Menu

Basic Data 1

Material

Base Unit of Measure Material Group

Old material number Lab/Office

Decision Valid from

Plant material status Net weight

Gross Weight Weight unit

Volume Volume unit

Purchasing

Purchasing Group Plant material status

Tax ind. f. material Quota an. usage

Purchasing value key QM Processing Time

Valid from

Source list Post to inv. stock

MR Part Number

Quality Management

QM proc. active Active

QM Control key

Inspection Type

General Plant data/Storage

Storage conditions

Sales Organization

✓ Cash account Valid from

✓ dist. chan. status Availability check

Tax Classification Trans. Grp

Item category group Loading/Sp

Profit Center

Work Scheduling

Prod. Supervisor

Prod. Sched. Profile

Serial no. profile

MRP

MRP Type Prod. stor. location Sched. Mgn. key Consumption mode Individual col.

MRP Controller Storage loc. for EP Period Indicator Inv'd consumption per.

Lot size In-house production Days Availability check Fed. consumption per.

Procurement type Planned Del. Time Days Strategy group Configurable Material

WG BEARB Konto

496,55 pro 1

LV

n T 27.11.2007 bis 27.11.2

rt

WG Konto

pro

LV

n

rt

bis

HR master data Edit Goto Extras Utilities(M) Settings System Help

Maintain HR Master Data

Personnel no.

Name

EE group Active Pers. area Frankfurt

EE subgroup Executive employ Cost Center Human Resource

Find by

- Person
- Collective search help
- Search Term
- Free search

Core Employee Info. Empl. contract data Gross/net payroll

Infotype text E

- Actions
- Organizational Assignment
- Personal Data
- Addresses
- Bank Details
- Family Member/Dependents
- Challenge
- Internal Medical Service
- Maternity Protection

Period

Period

From To

Today Curr. week

All Current month

From curr. date Last week

To Current Date Last month

Current Period Current Year

Direct selection

Infotype STy

SAP

GPT (1) 004 usciapl INS

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Run Better

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Thank you

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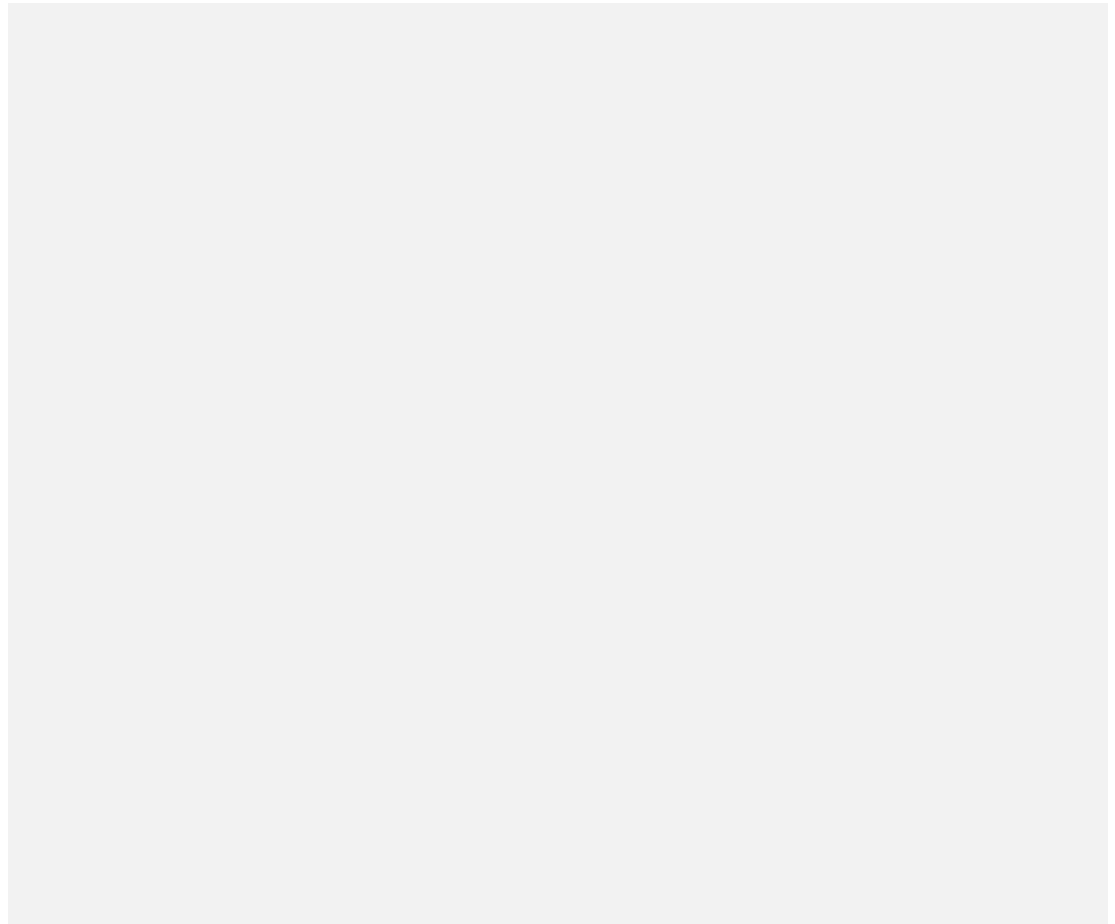


Insert page title

First level

Second level

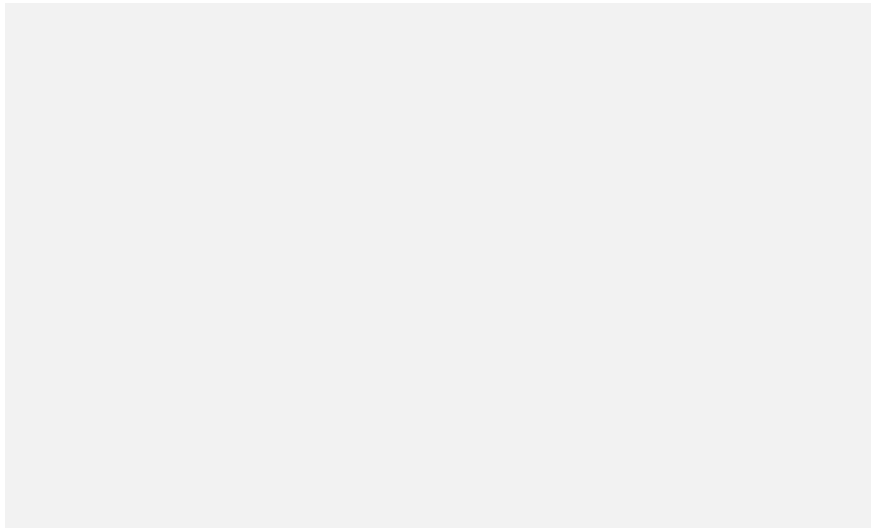
- Third level



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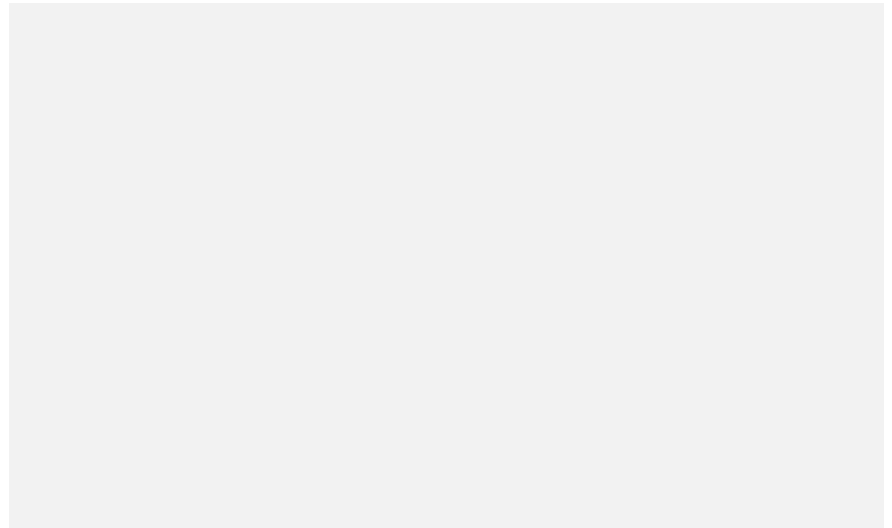
Headline here

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas pellentesque laoreet urna molestie placerat ipsum.



Headline here

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas pellentesque laoreet urna molestie placerat ipsum.



Making it possible

Dassian PACE

Filter By

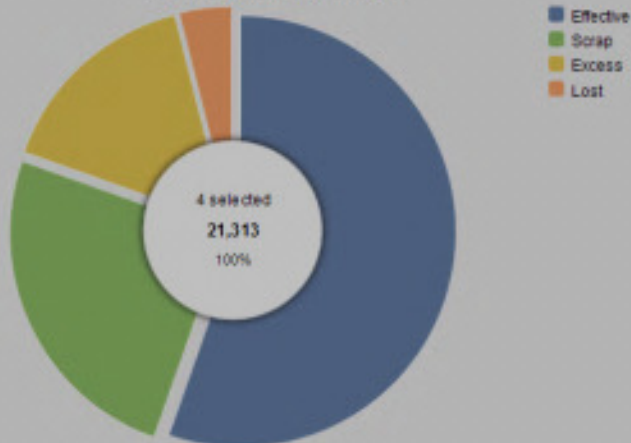
MA Material MS00-001 | WayToGo GPS, Shippable, US Model 415 X

Export to Excel

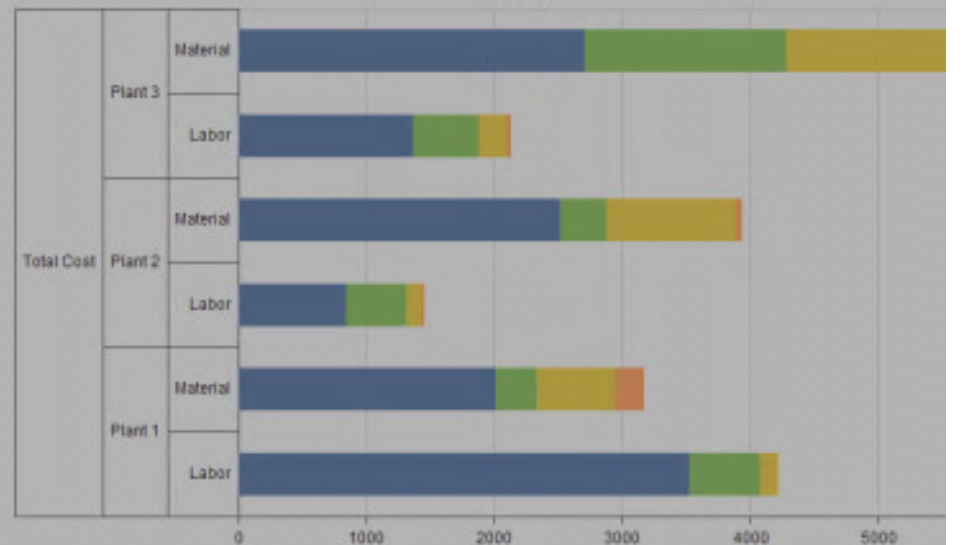
Material	MA Order	Plant	LLC	Group	Finish Date	Order Qty.	UOM	DiredPrim Cost	DiredSec Cost	CompPrim Cost	CompSec Cost	T
MS00-001	CR000001000190	1000	000	GPD_021_GPS_STO_01_G	Tue Oct 08 2013	10	EA	0	73.3	3326.6	672.9	
MS00-001	CR000001000199	1000	000	GPD_022_GPS_STOEXC_01_G1	Mon Oct 14 2013	5	EA	0	36.8	1631.03	330.67	
MS00-001	CR000001000200	1000	000	GPD_022_GPS_STOEXC_01_G1	Mon Oct 14 2013	8	EA	0	56.7	2435.12	509.97	
MS00-001	CR000001000201	1000	000	GPD_022_GPS_STOEXC_01_G1	Mon Oct 14 2013	11	EA	0	80.6	3656.68	735.32	
MS00-001	CR000001000206	1000	000	GPD_022_GPS_STOEXC_01_G1	Mon Oct 14 2013	3	EA	0	22.2	997.98	204.6	
MS00-001	CR000001000244	1000	000	GPD.005.01.001	Wed Oct 16 2013	30	EA	0	219.3	9979.8	2012.16	
MS00-001	CR000001000251	1000	000	GPD.005.01.001	Wed Oct 16 2013	12	EA	0	87.9	3991.92	806.7	
MS00-001	CR000001000277	1000	000	P.009.01.001	Thu Nov 14 2013	30	EA	0	219.3	24250.24	2411.33	

Plant Cost Element Exceptions

Cost by Category in USD



Cost by Plant/CE Group in USD



Making it possible - The HANA In-Memory Platform Experience

“SAP has given us a single well of truth for the data sets we developed, From the executive level to the individual, we have improved visibility due to information we have not had access to before.”

- Ray Jean, Vice President -Aerospace Supply Chain IT,
Honeywell Aerospace.

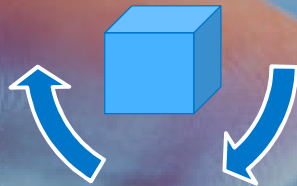
Change this up... 3 logos... and no data...

Batch:	1.1B rows, 3B program loops	13 hr to 3.5 min
Reporting:	1B rows	1 hr to 2 seconds
Analysis:	Ten table join	From unmet requirement to 4 seconds

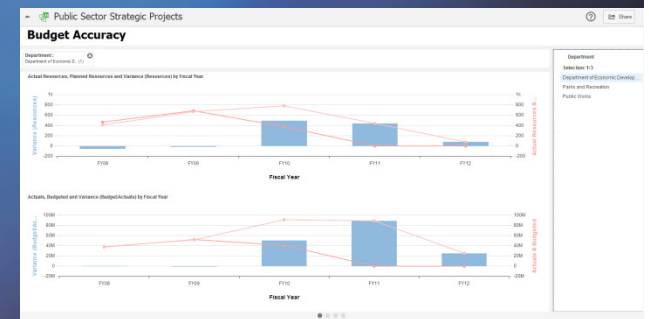
Making it possible Self Service BI / Lumira



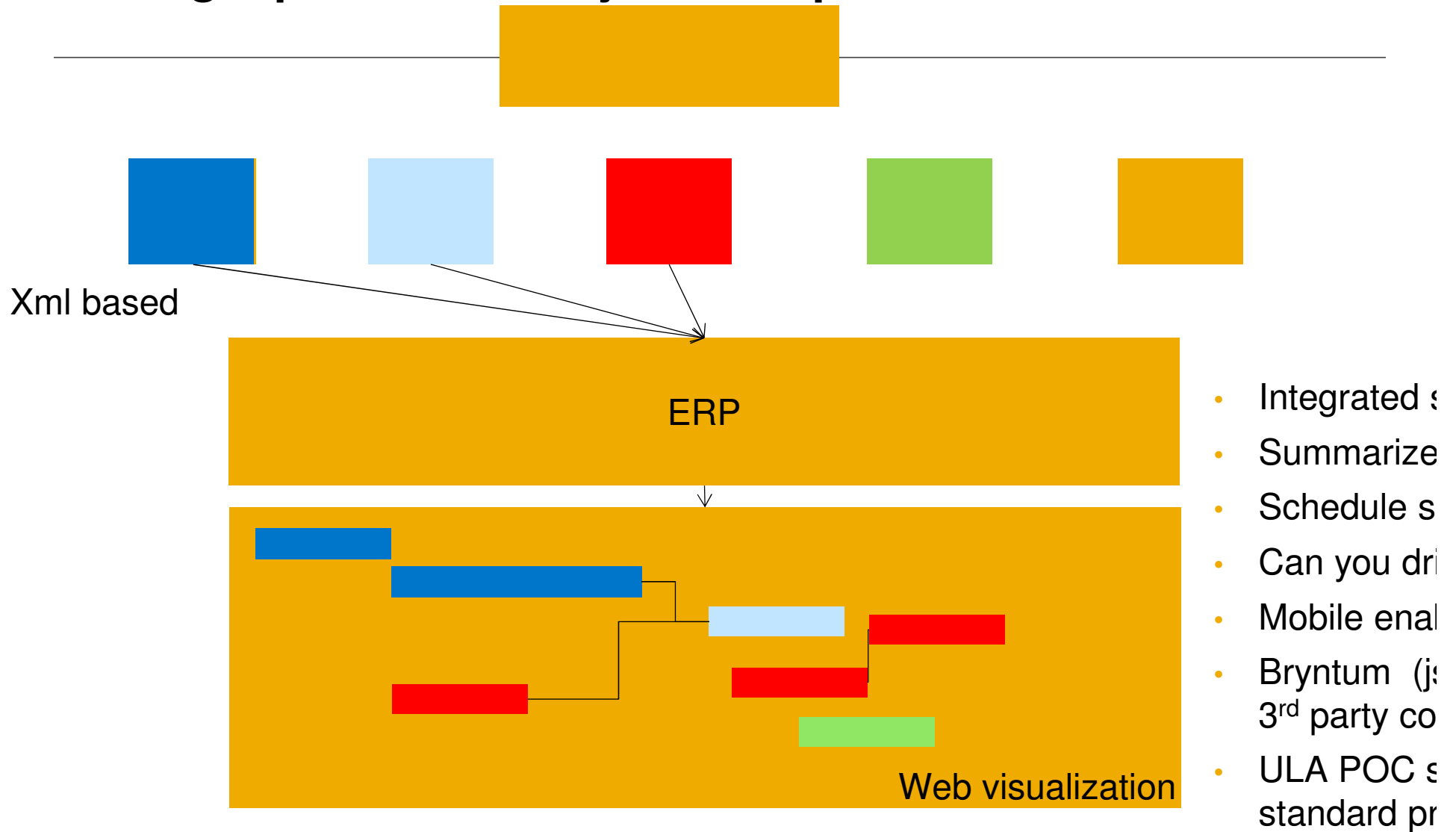
Access
Information



Enrich
Data



Making it possible – Project Cockpit



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