

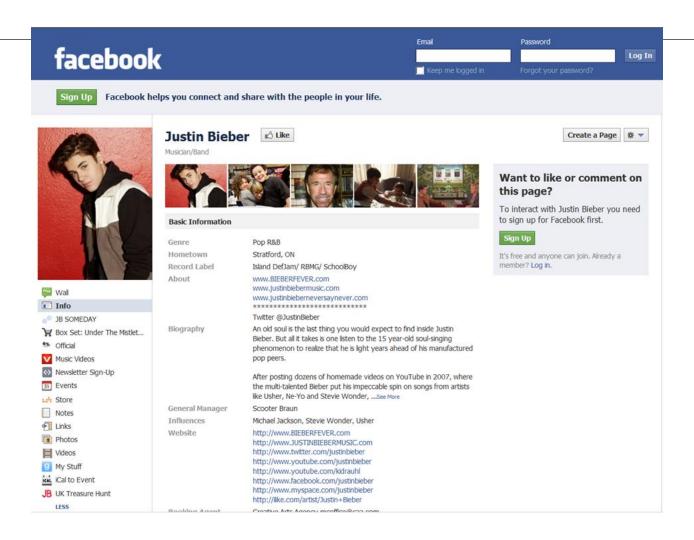
ERP Core: Innovation Starts Now

Armando Urias, ERP Solution Advisor, SAP

Month 23, 2012



Innovations in ERP





Head of Asset Management Questions What Does This Mean for Your Business?





Head of Asset Management Issues

- How do I maximize asset uptime?
- How do I make sure our assets are up and running whenever we need them?
- How do I improve the financial return on our assets?
- How do I reduce request to delivery cycle time for repair services and control maintenance costs?
- How do I increase the 'wrench time' of our crafts people?

How do I achieve High-Performing Assets delivering strong asset performance in demanding times?

OEE %



Asset Utilization %



Unplanned Downtime %



Wrench Time %



Who Has the Data?



"When you two have finished arguing your opinions, I actually have data!"



Agenda

Business Improvement Platform

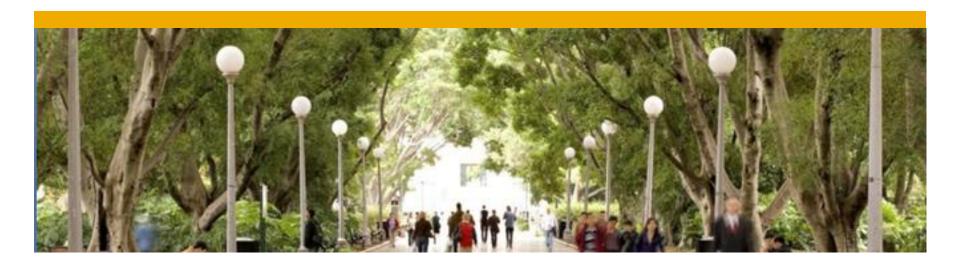
Achieving ERP Operational Excellence

- Immediate Visibility
- Asset Integration
- User Adoption

Questions







A Platform for Innovation





Business Process Improvement Platform

SIMPLICITY for Enduser

- End-to-End, Fully Integrated Business Processes
- Out-of-Box, Real-Time
- Flexible & Open
- Configurable Business Rules
- Based on Airline Industry Best Practices

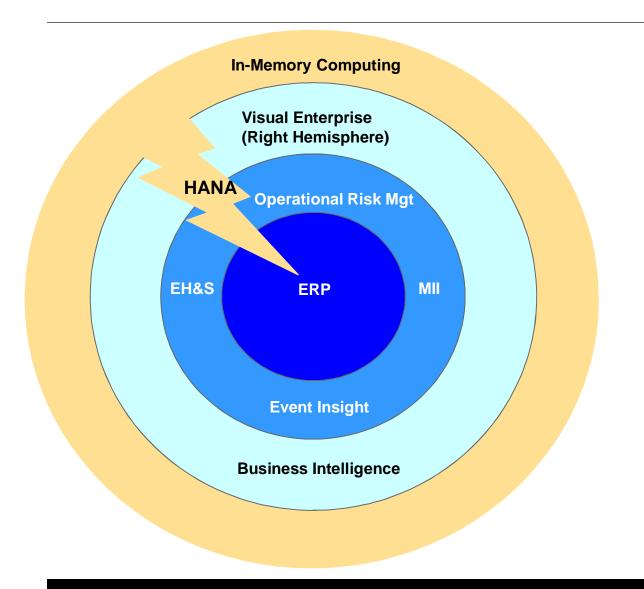


ONE OPEN SAP PLATFORM

- 1 Source of Truth
- 1 Common Set of Data
- 1 Integrated System

SAP University Alliances

Innovations in Operations



- ERP are the master records to ensure speed & accuracy of operational activities
- Real time insight to drive precision in execution is provided by ORM, MII, Event Insight, and EH&S
- Real time, interactive visibility is achieved through Visual Enterprise, Mobility, and BI
- In-Memory Computing through
 HANA yields unprecedented
 processing speeds to support
 Real-Time analysis at all
 levels

SAP University Alliances



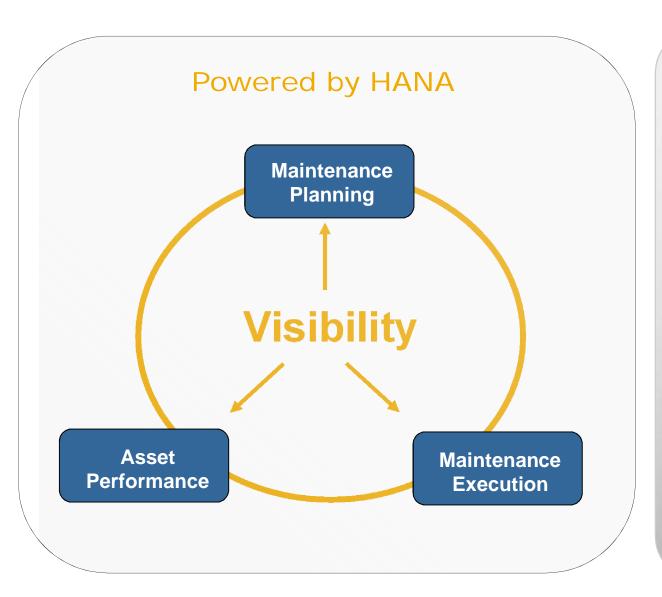
A Platform for Innovation Operational Excellence



SAP Value

Gain Visibility across Planning, Execution, Asset Management





The Perfect Plant

Maintenance Planning

Adjustments are not driven primarily by unplanned events in manufacturing but rather by demand shifts and other factors. Manufacturing is able to manage these changes more rapidly and reliably

Maintenance Execution

All events are proactively monitored with automated event handling that is tighly coupled with the enterprise

Asset Performance

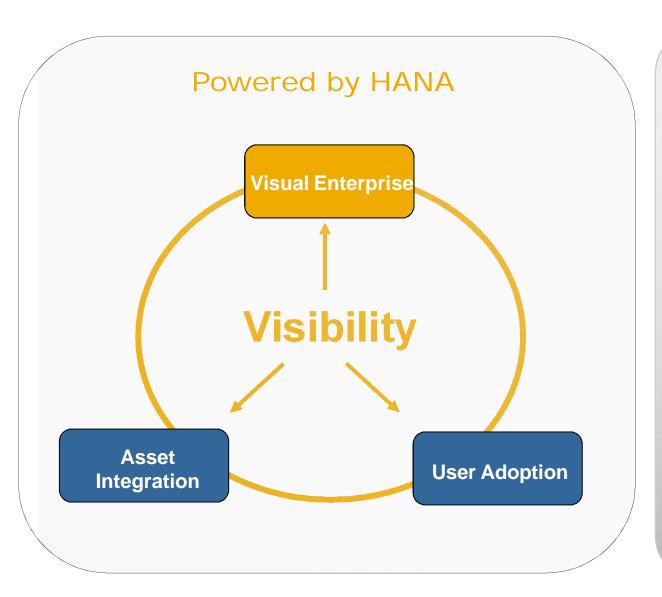
and Utilization are monitored and events are triggered automatically.

EAM processes are optimized and all asset content is available in a single source. EAM process are tightly linked to operations

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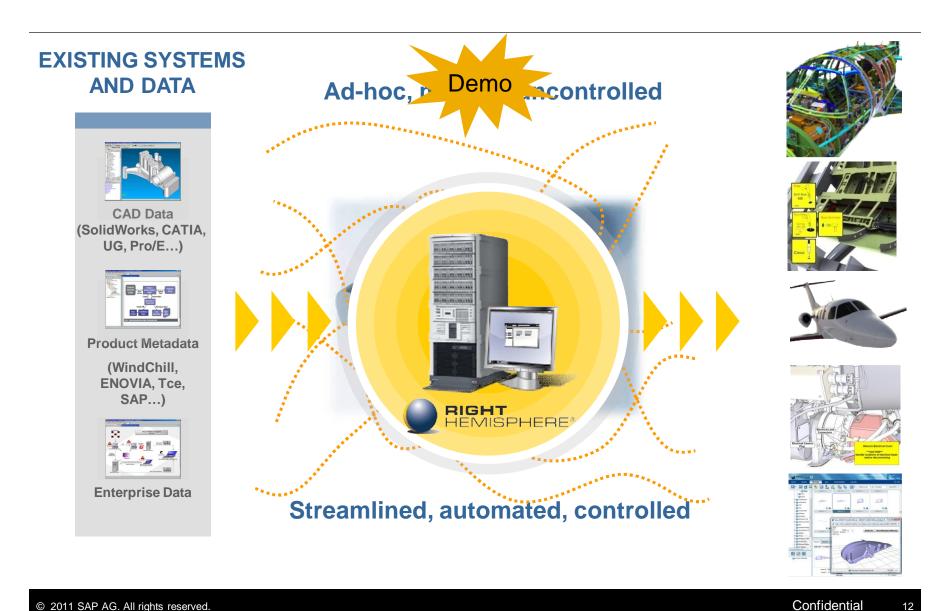
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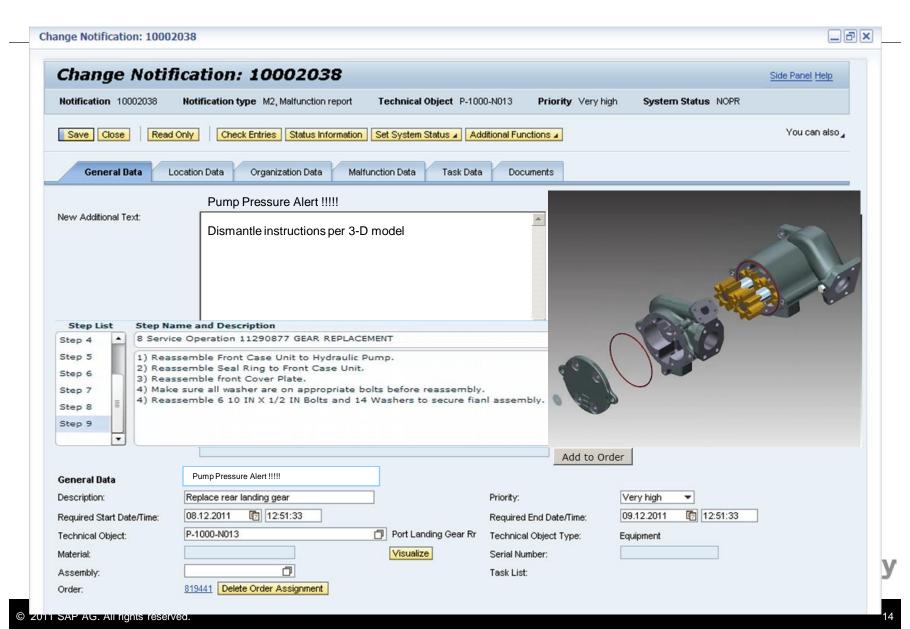
Why Visual Enterprise Solutions Are Needed



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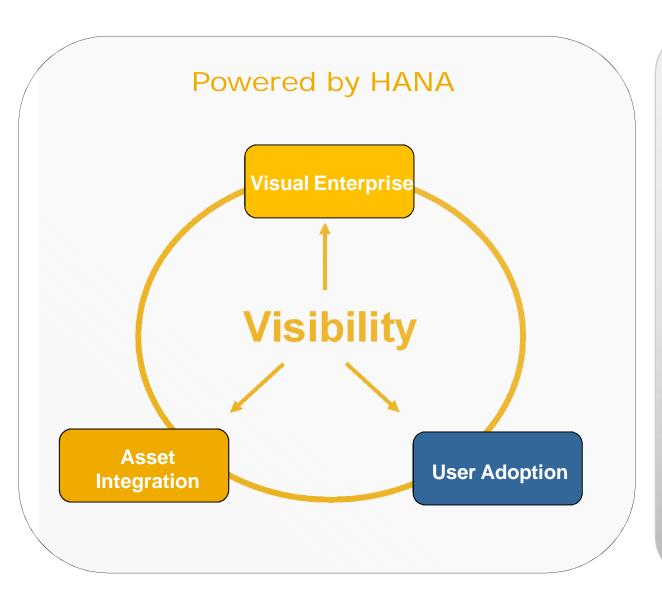
ERP Process Visualization



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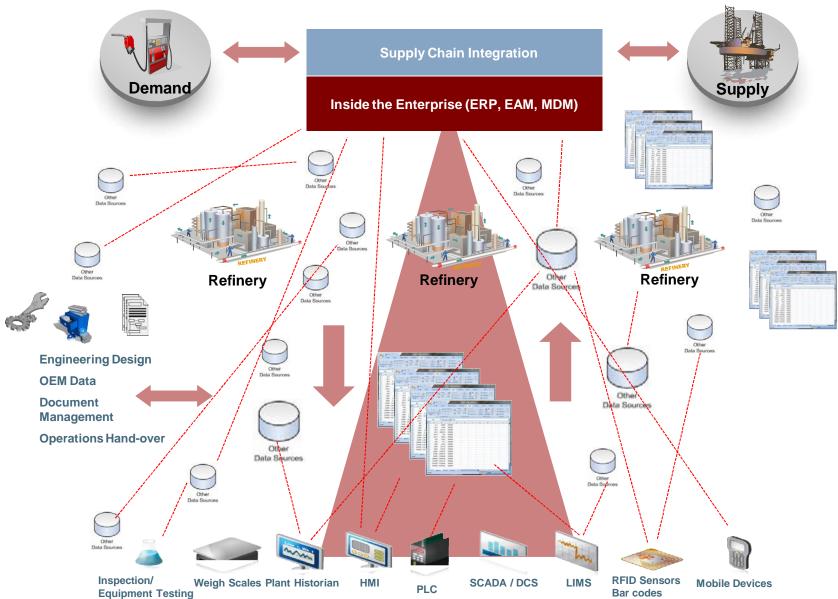
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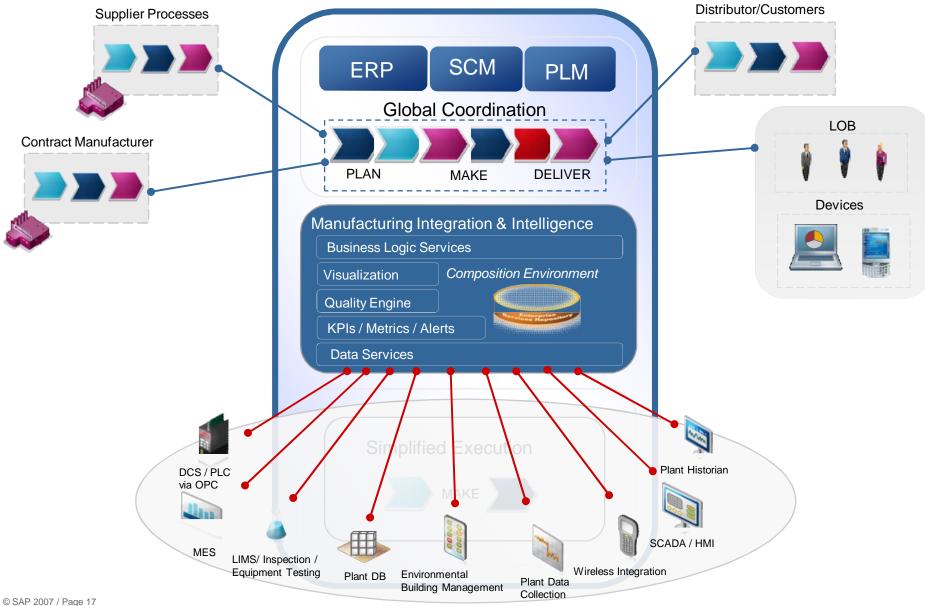
Operational Excellence The Missing Links - Almost-in-time Systems





SAP Integration Platform Delivers Information and Process Integration







ERP Innovations: Immediate Time Visualization

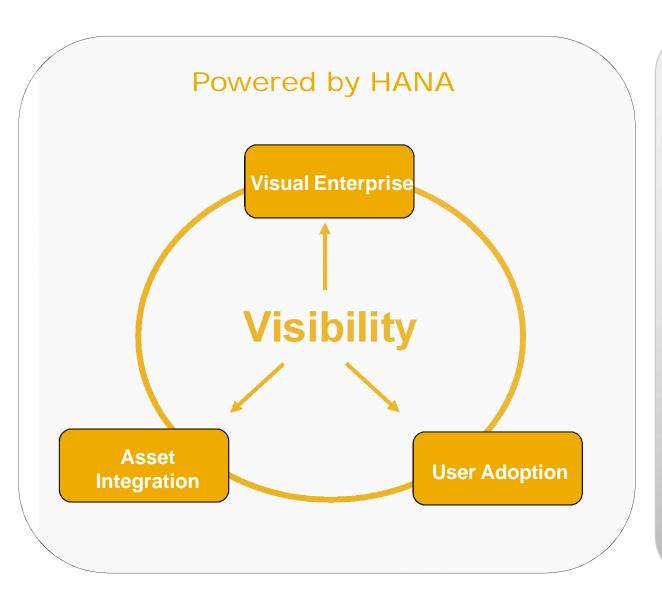


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SAP Simplicity:

The Right User Interface for the Right Users



Barcoding

Simple, intuitive productivity tools



Adobe Forms

Interactive Connected & Disconnected Forms



Quick answers, quick action



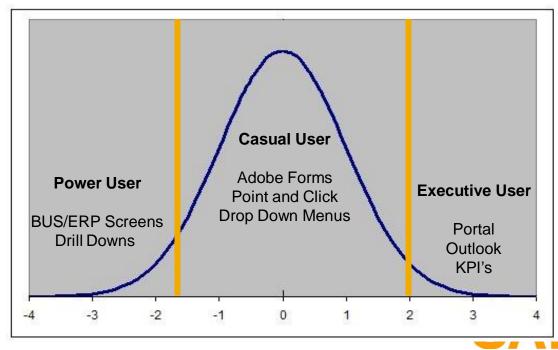
Analytics

Actionable information my way



Business Client

The power of SAP Navigation



Energy Usage SPTS To be a second of the sec

Machine Integration

Anticipation and Visualization





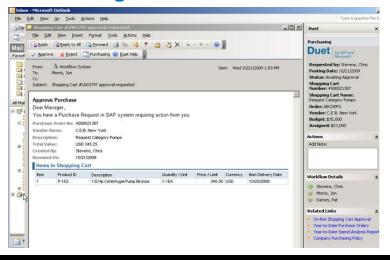
Kiosk & Image based



Analytics based



Email Integration

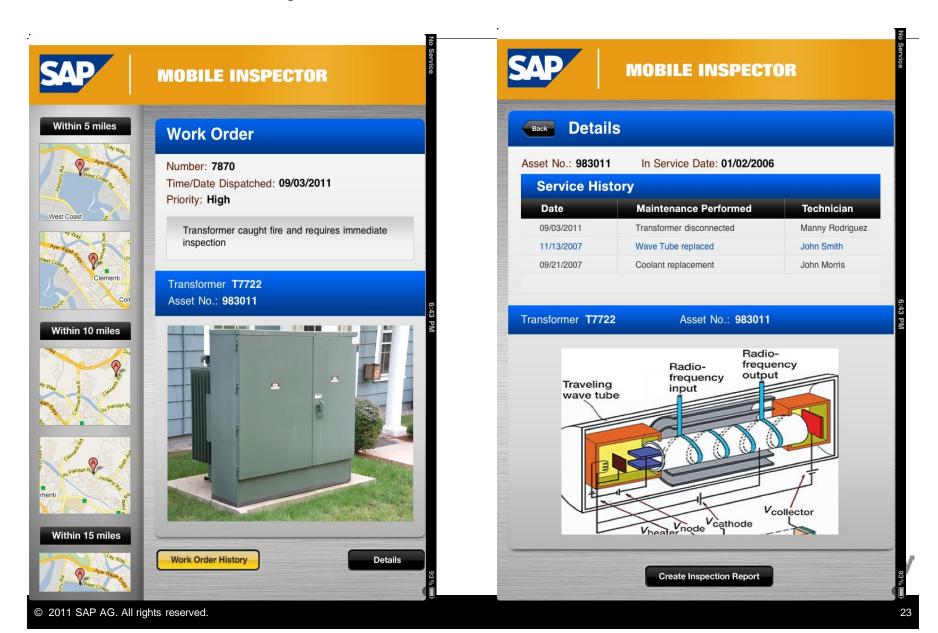


Mobile / RF based





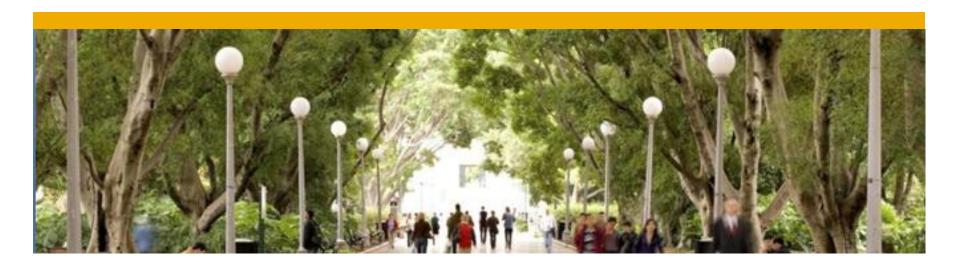
Enabling Operational Excellence - Mobility iPad, iPhone, Blackberry, ...



Enabling Operational Excellence – Visual Enterprise



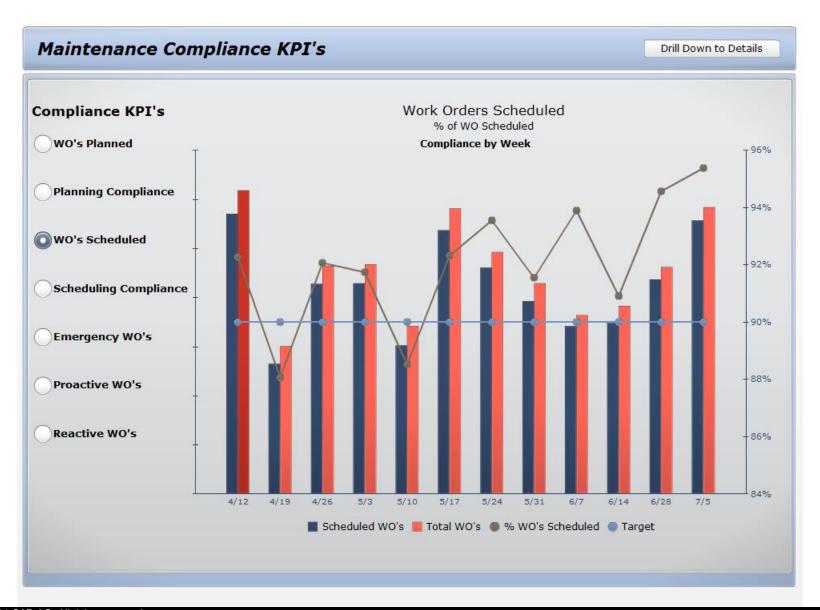
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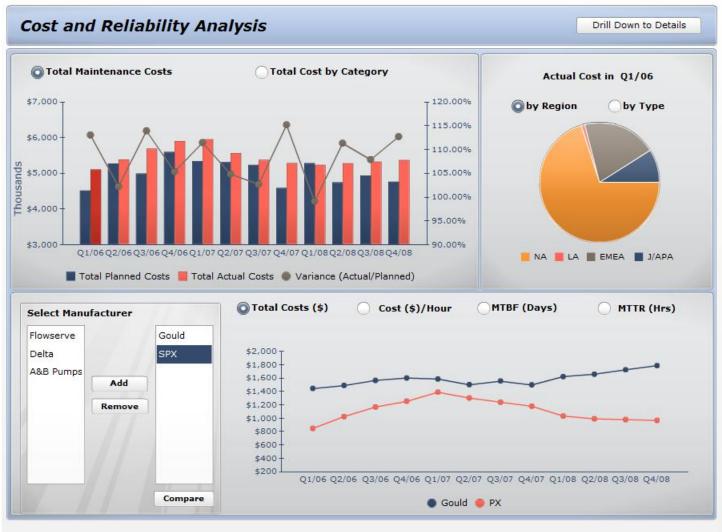
A Platform for Innovation Full Visibility with Analytics



Maintenance Compliance KPI's



When Integration Matters Asset Reliability and Cost Indicators KPI's



Operational Excellence – Transparency and Visibility

(Operations, Production, Safety, Maintenance, Quality)





Enabling Operational Excellence - Mobility iPad, iPhone, Blackberry, ...





A Platform for Innovation

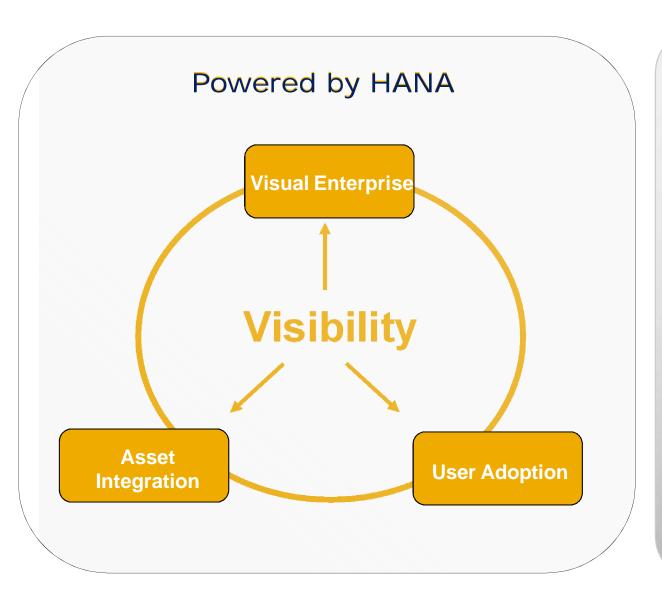
Full Visibility with Immediate Performance



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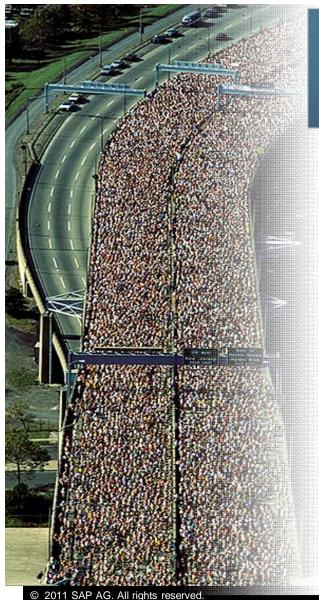
Vision: In-Memory Computing

Background and Context



Technology that allows the processing of massive quantities of real time data in the main memory of the server to provide immediate results from analyses and transactions

A Breakthrough Innovation That Enables the "Real Real-Time" Enterprise



Time becomes your competitive advantage

- SAP Delivers High Performance Appliance
- Game Changing in Terms of Volume, Speed and Cost

Volume of Company and External Data

- Entire company data resides in memory- providing immediate decisions without compromise
 - Analyze massive amounts data in fractions of a second

Speed of Business Analysis

Dramatic processing speed that enables detailed analysis of realtime data

Real-time – no time latency, no aggregation

Infrastructure Costs of Data-Intense Businesses

Higher performance for lower total cost (30% lower than a traditional database approach)

Performance and lower cost benefits increase as data increases

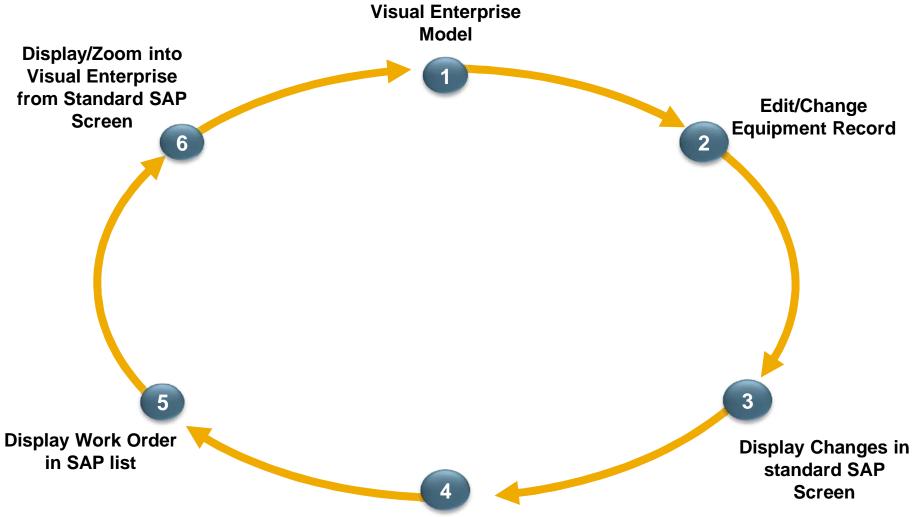


Standard System

In-Memory System

Visual Enterprise Integration Process





Create Work Order in Visual Enterprise Model



Thank You!

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