

SAP Leonardo and the Digital Supply Chain A world with Connected Logistics

Rhod Joyce, SAP May 31, 2017





Agenda

An Overview: Leonardo and Digital Supply Chain (dSC)

A focus on: Manufacturing

A focus on Portfolio and Project Management

A focus on: Asset Management (operational)

- SAP Asset Intelligence Network
- SAP Predictive Maintenance and Service



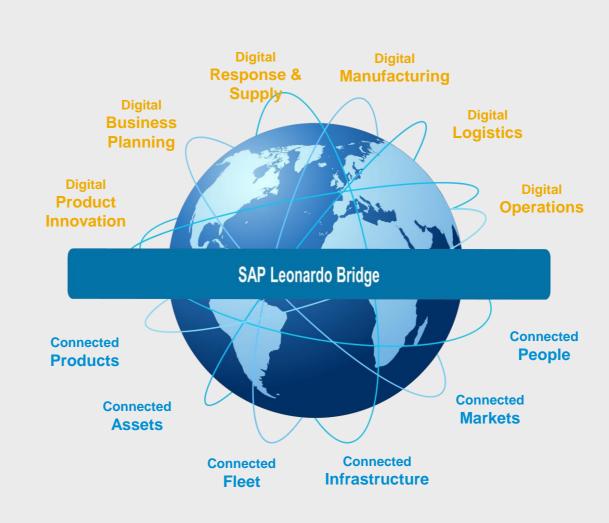


Overview: SAP Leonardo and the Digital Supply Chain

The Digital Supply Chain is powered by SAP Leonardo

Digital Supply Chain





SAP Leonardo Innovation Portfolio

SAP Leonardo Bridge

Connected **Products**



Product Insights

Goods and Equipment

Supply Networks

Connected Assets



Fixed Asset Insights

Manufacturing Execution

Manufacturing Networks Connected Fleet



Mobile Asset Insights

Logistics Safety

Logistics Networks

Connected Infrastructure



Building Insights

Construction

Energy Grids

Connected Markets



Market Insights

Rural Areas

Urban Areas

Connected **People**



People and Work

People and Health

People and Homes

SAP Leonardo for Edge

for Edge Computing

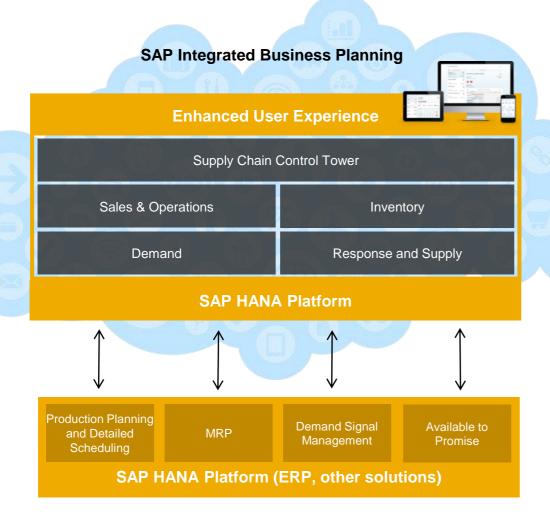
SAP Leonardo Foundation

SAP Cloud Platform / SAP HANA Platform



Focus: Manufacturing

SAP Integrated Business Planning



Benefits

- Fast development and deployment through agile methodologies
- Standard integrations to ERP
- Flexible choice where to execute business processes
- Deep industry capabilities to maximize value delivery now
- HANA & IBP enable evolution to next generation real time supply chain platform

Comprehensive Plan to Produce in ONE System

Sales Order Entry MRP Run + Constrained Planning

Interactive Planning

Release to Production Production Execution

Monitor and Control

Key Benefits

- Comprehensive plan to produce in a single system at a low cost
- Just one database to manage.
 Less time for setup, back up and administration
- Integrated material requirements planning
- Simple and seamless integration
- Easy monitoring and administration



Production Planner



Production Supervisor

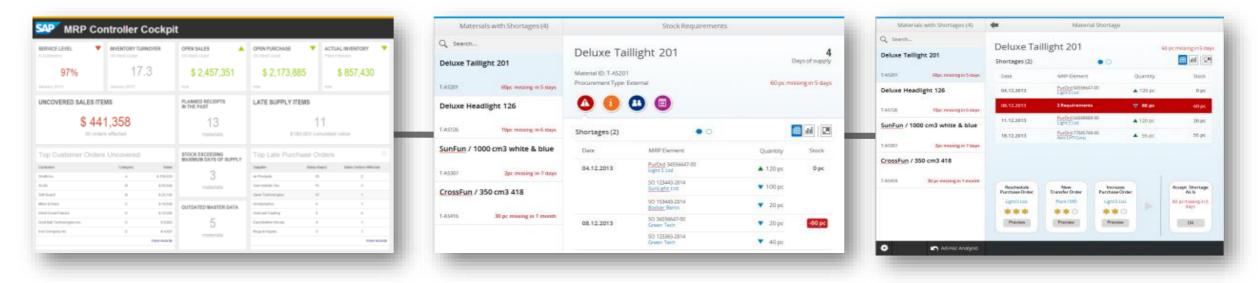


Production Operator



Production Planner

Material Requirements Planning (Live) in S/4HANA



MRP Cockpit

Monitor KPIs Receive Alerts on material shortages, late purchase orders etc.

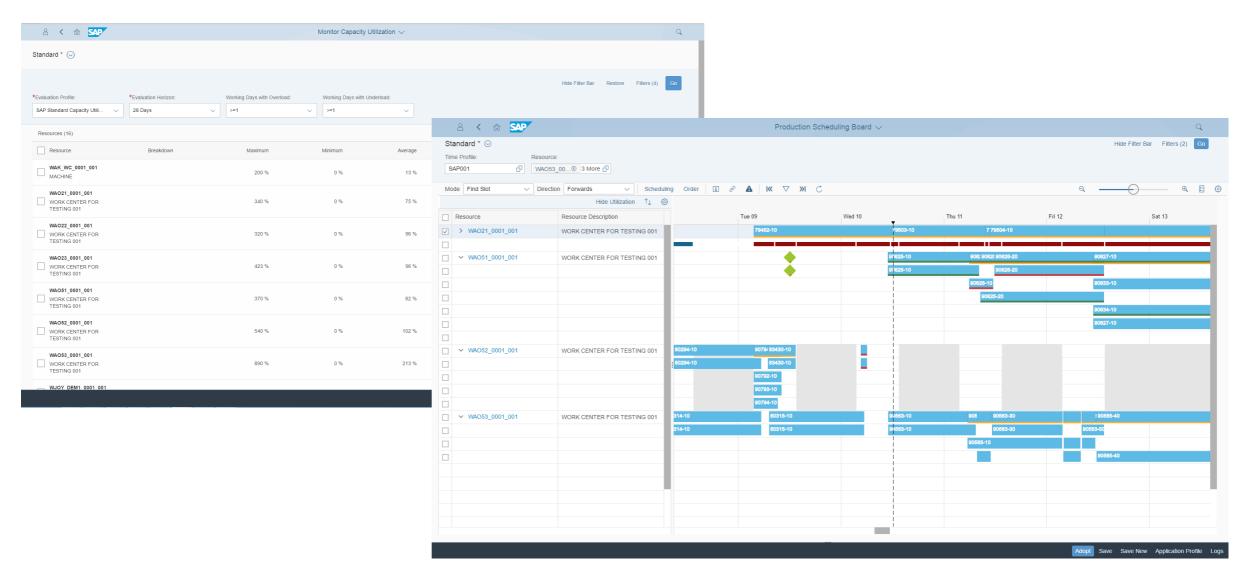
Material Planning View

Identify most urgent and important issues, considering time to action and order values, priorities, and the like.

Solution Proposals

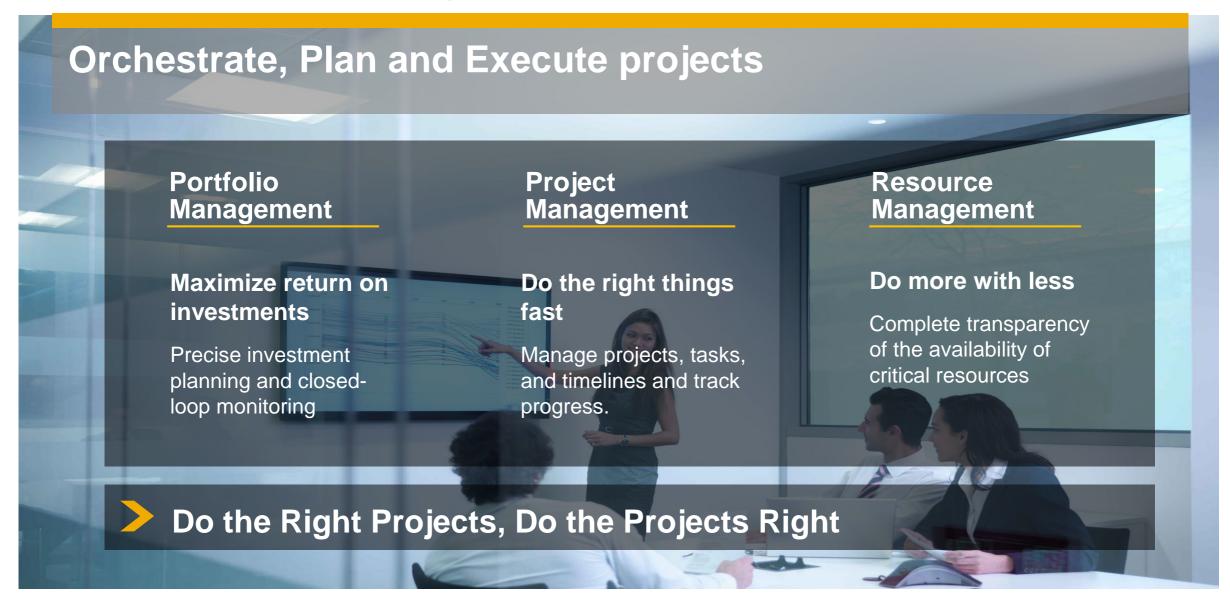
Choose from a set of preevaluated solution proposals.

PP/DS: Constraint-based Scheduling

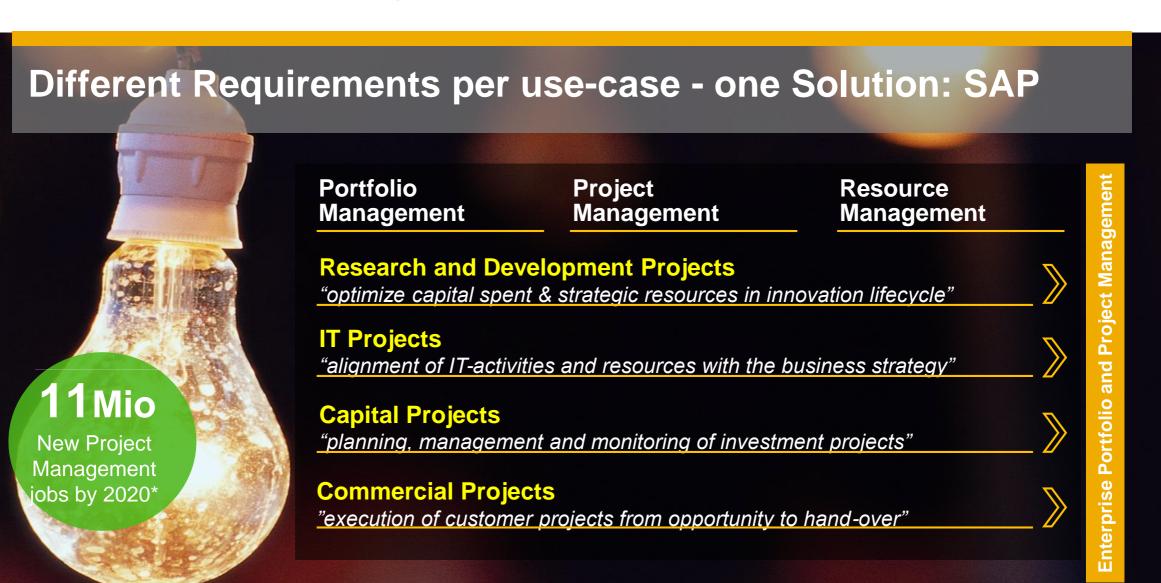


Focus: Project and Portfolio Management

Project and Portfolio Management

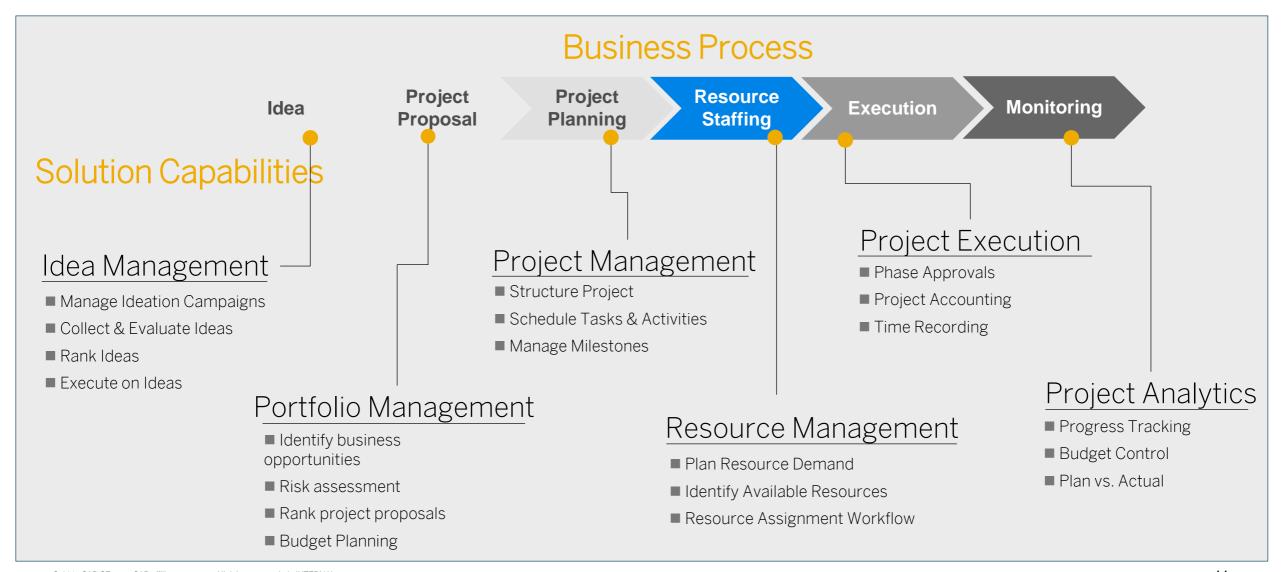


Project and Portfolio Management

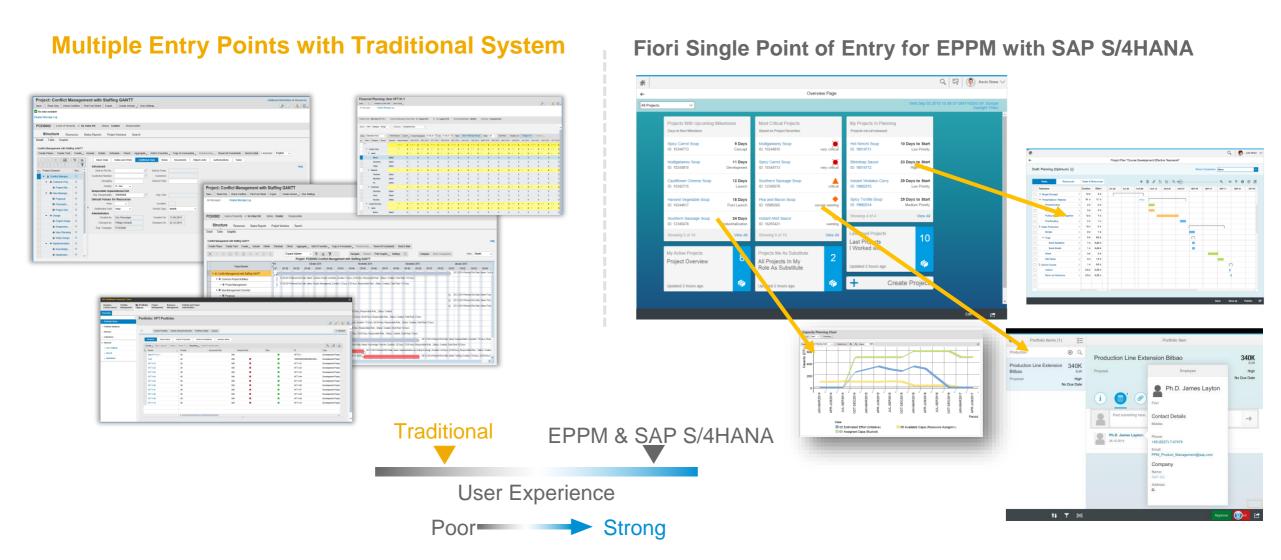


* According to Project Management Institute (PMI)

Portfolio and Project Management: Solution Capabilities



Leveraging the Fiori User Experience

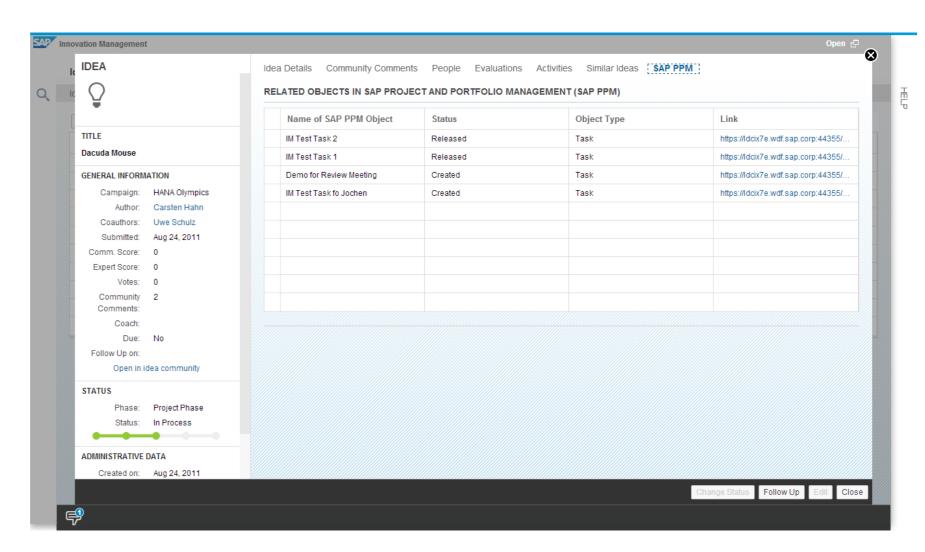


Identify new Business Opportunities with Innovation Management

Innovation Management*



- Manage Ideation Campaigns
- Collect & Evaluate Ideas
- Expert Finder
- Rank Ideas
- Execute Ideas in Portfolio Management



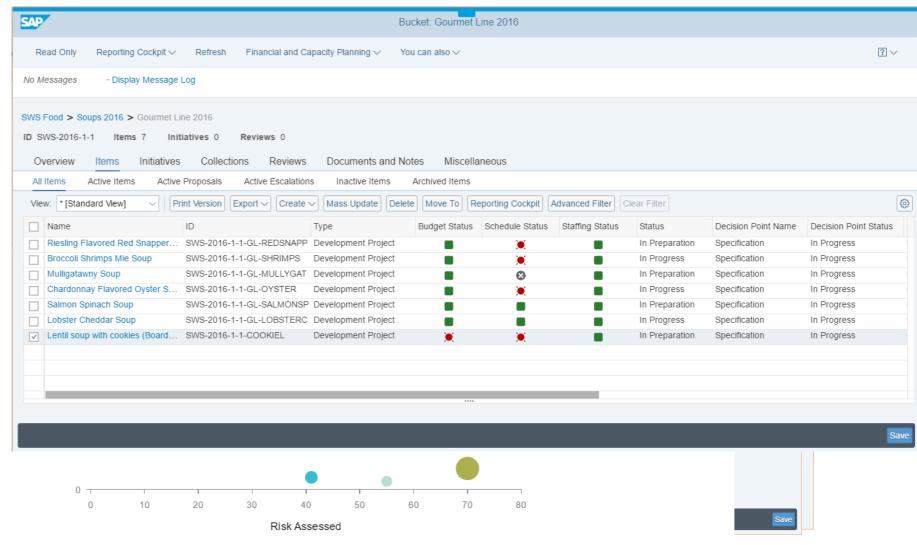
*SAP Innovation Management requires additional license

Balance Project Portfolio and Invest in the Right Projects

Portfolio Management



- Identify and describe project proposal
- Estimate Project Timeline
- Budget & Capacity Planning
- Assess Project Risk
- Rank project proposals
- Monitor Portfolio Performance

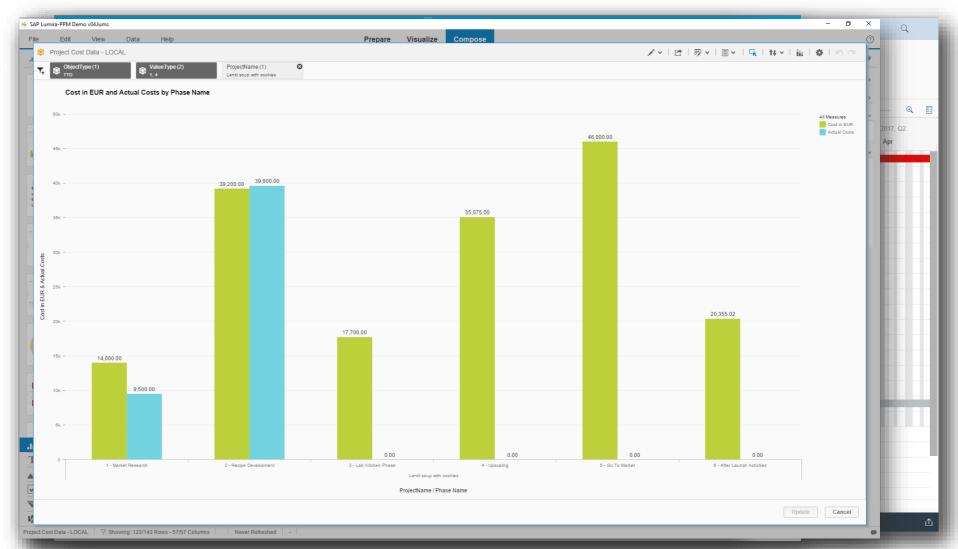


Plan, Execute and Monitor Projects

Project Management



- Project Entry Page
- Project Planning
- Schedule Tasks & Deliverables
- Planning of Project Efforts & Costs
- Project Accounting
- Project Reporting

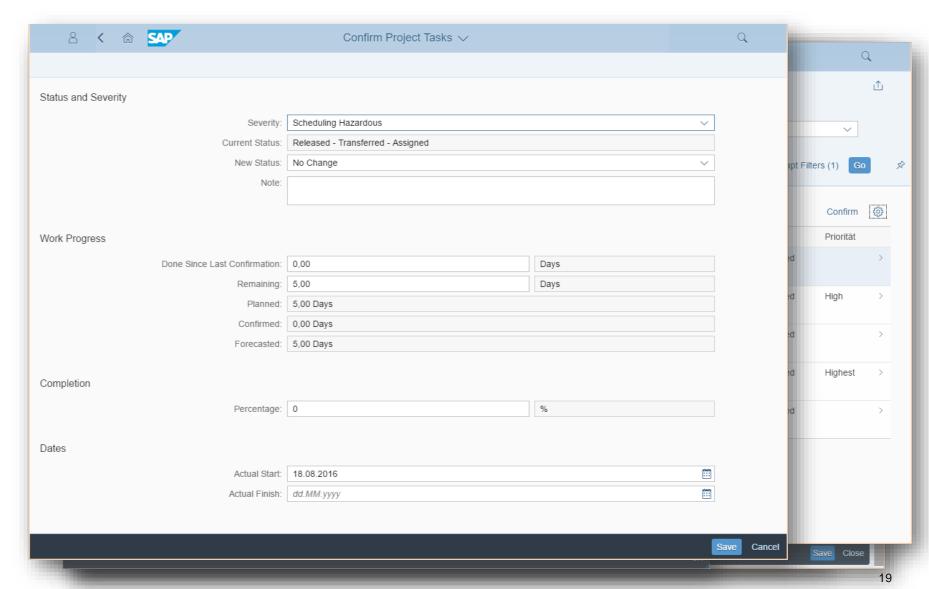


Allocate the right resources while optimising resource utilization

Resource Management

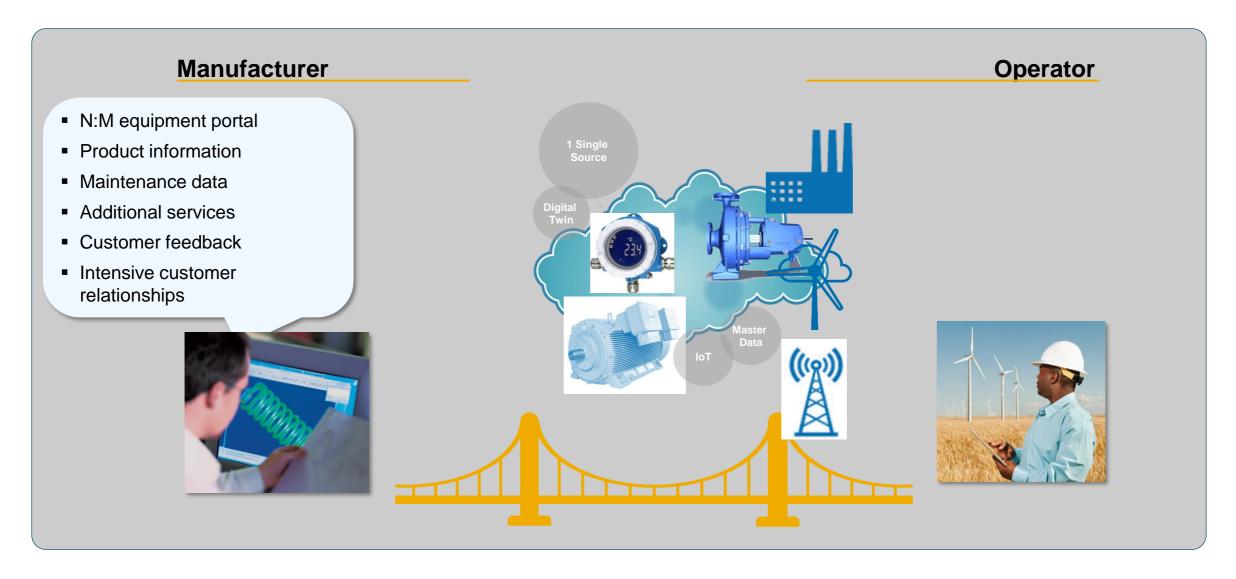


- Capacity Planning Portfolio
- Role Demand Project
- Resource Overview
- Resource Allocation
- My Tasks List
- Progress & Time Recording Fiori

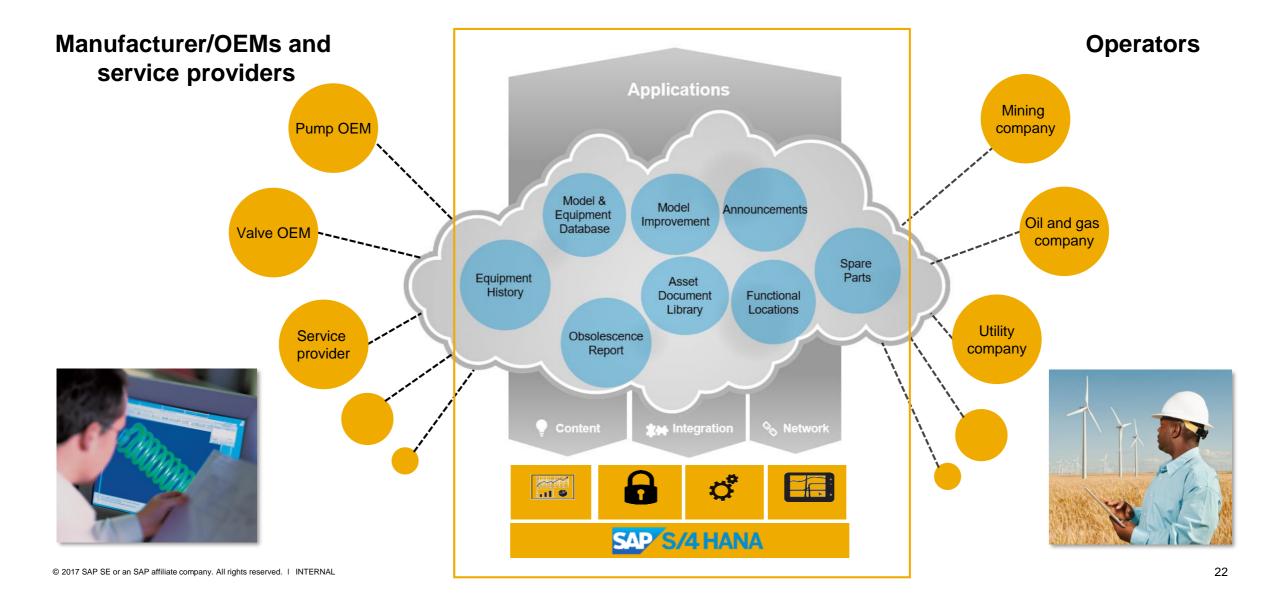


Focus: Asset Management SAP Asset Intelligence Network (AIN)

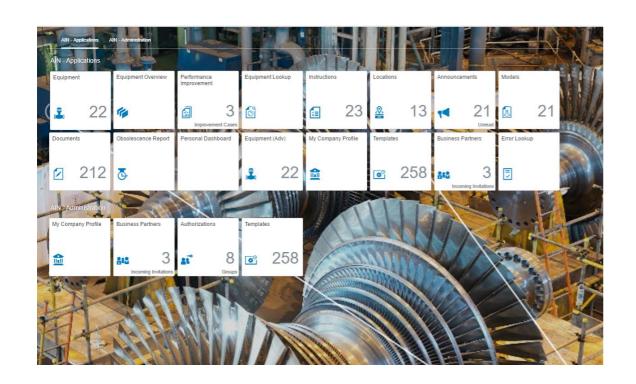
Manufacturer's perspective – how it should look like

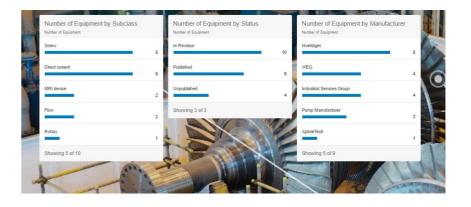


SAP Asset Intelligence Network: bringing together business partners



Screen Examples: Fiori Launchpad to SAP AIN

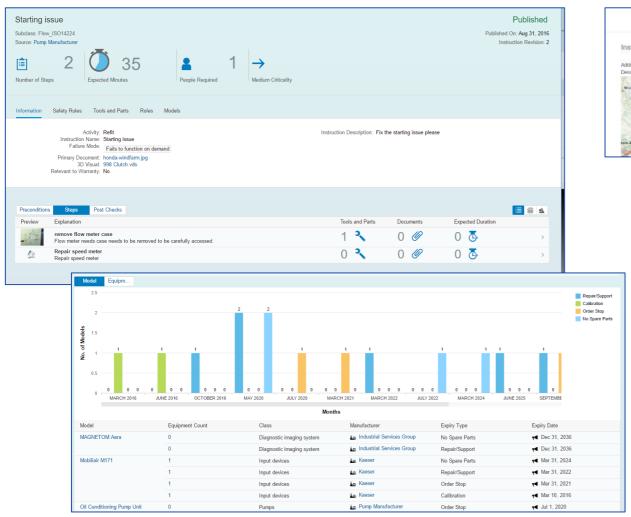


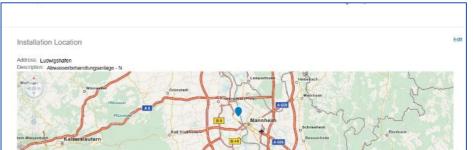


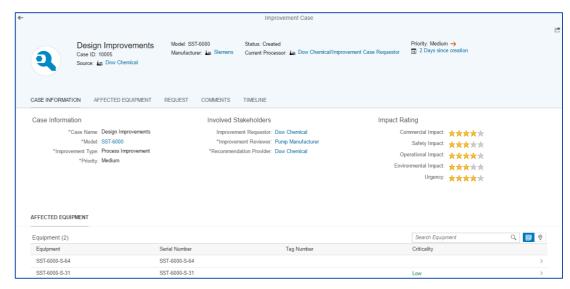




Screen Examples: Business applications



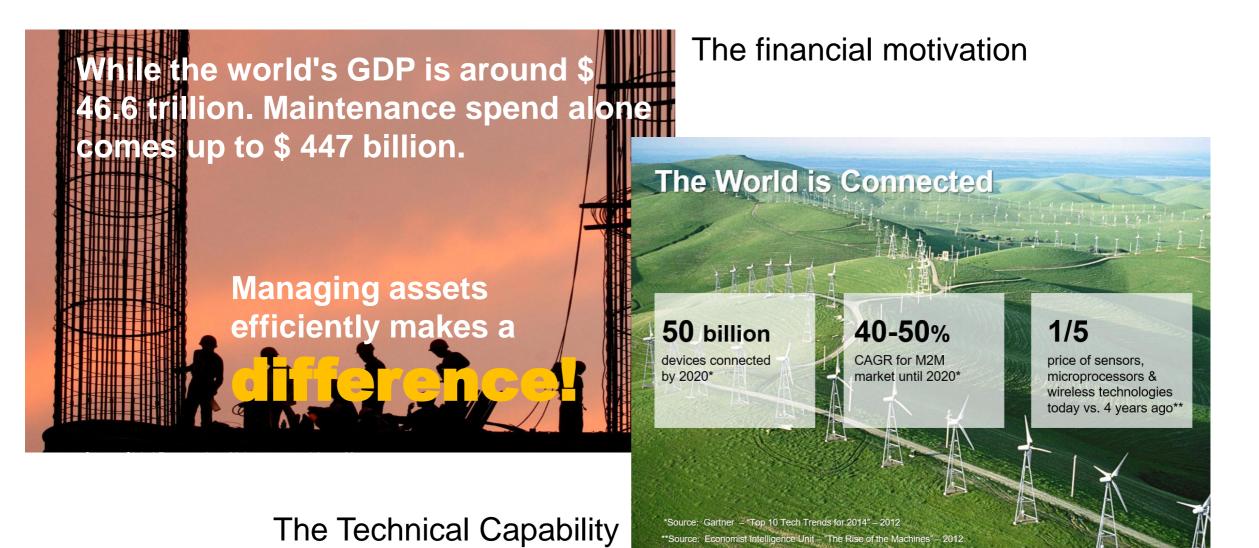




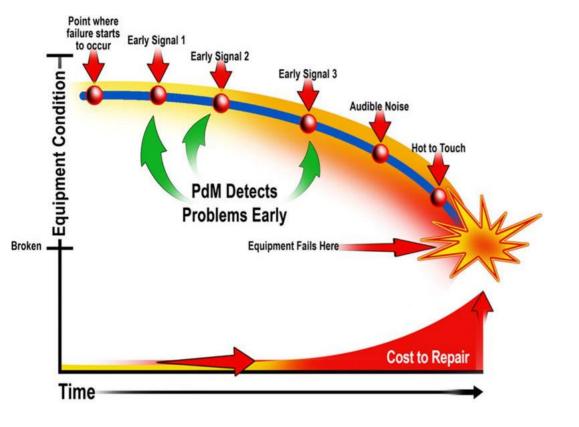
Focus: Asset Management

Predictive Maintenance in SAP (SAP PdMS)

Compelling Trends to Predictive Maintenance

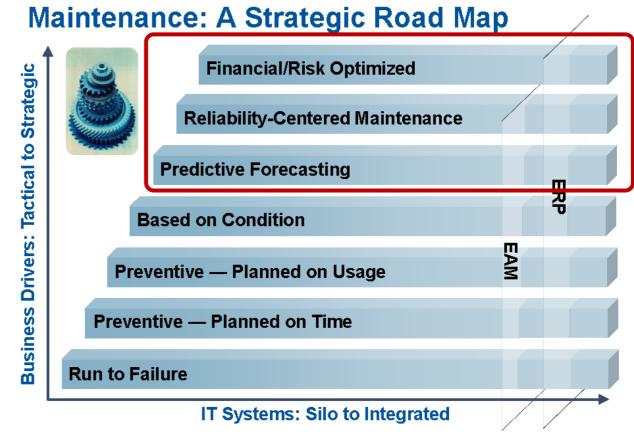


SAP's unique business perspective on Predictive Maintenance

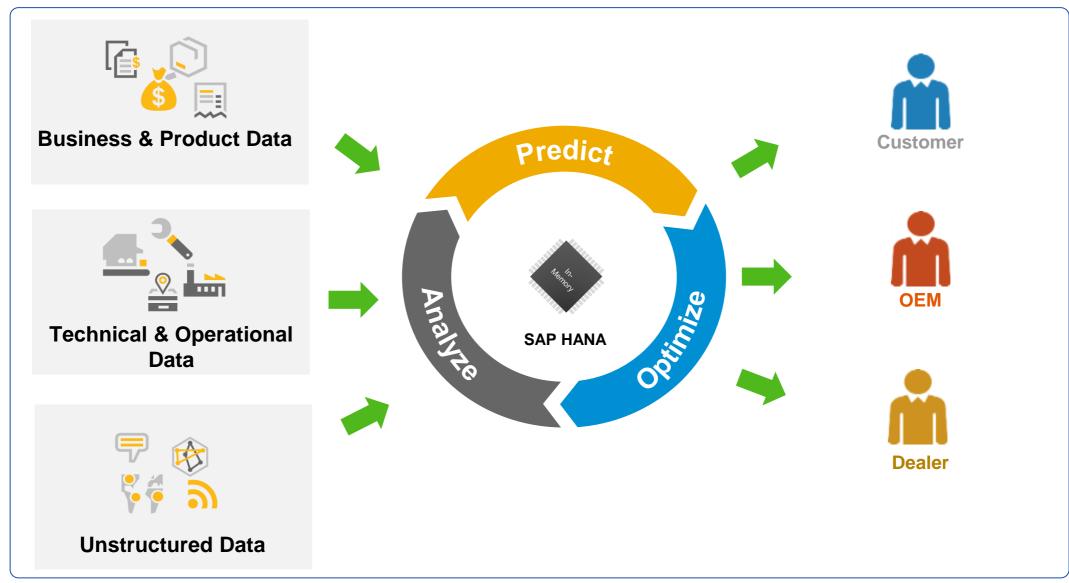


Providing the technical capability

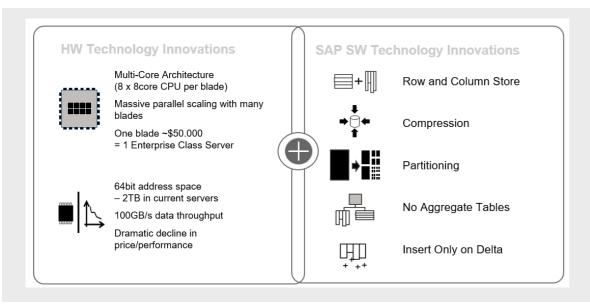
Delivering business value and context



The business advantage



The Technology advantage

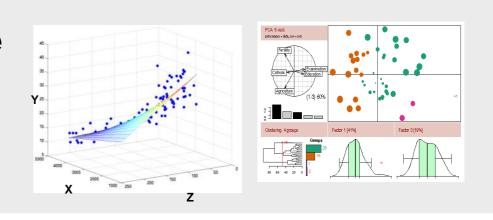


The Hardware Advantage

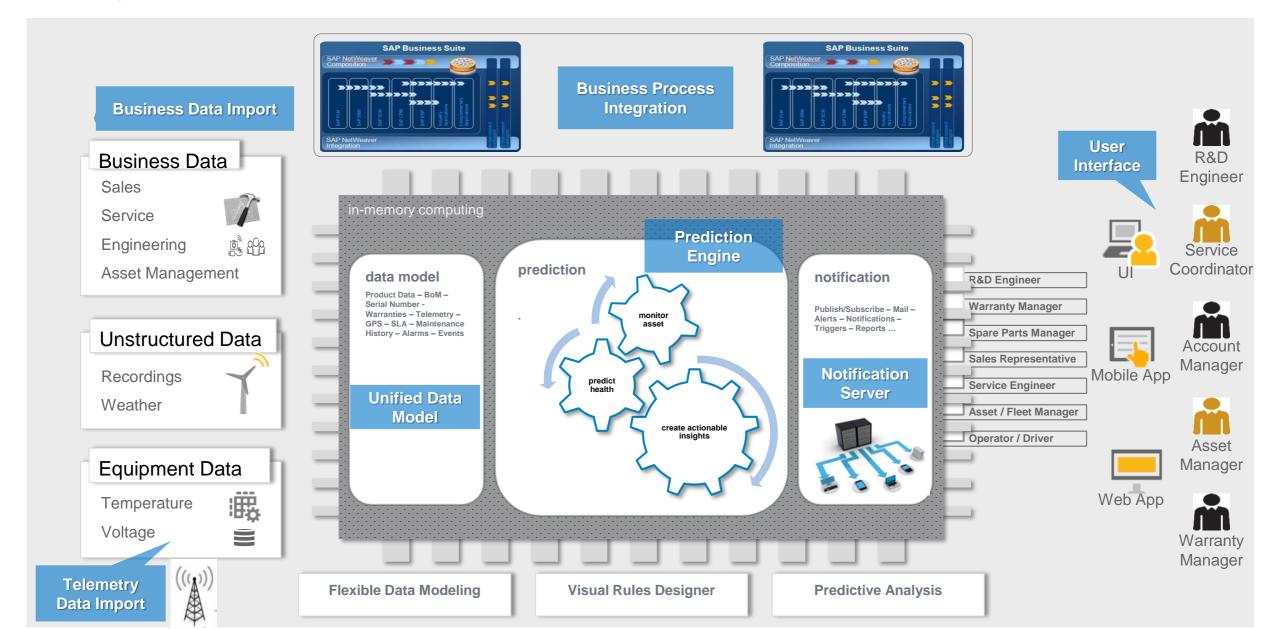
- In-memory computing
- Optimised for the best in performance

The Embedded Predictive Advantage

- Predictive Analysis Library (PAL)
- R Integration for SAP HANA



Merged into a Predictive Maintenance solution to deliver business benefit



Thank you.

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