SAP for Industrial Machinery & Components

Industrie 4.0 für den Anlagen & Maschinenbau

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Industrial Machinery & Components

Our Industry Expertise Helps Companies Run Better

6.400+ SAP Customers in the Industrial Machinery & Components industry in every of the five industry segments





AUTOMATION & CONTROL SOLUTIONS

- Motion and Fluid Control
- Electrical Equipment, Appliance, and Components
- Measuring & Controlling Devices



CONSTRUCTION & MINING EQUIPMENT

- Construction Machinery
- Mining Machinery
- Heavy Equipment Dealers & Rentals



MACHINERY & EQUIPMENT

- Metalworking Machinery & Tools
- Special Industry Machinery
- Elevators, Escalators, and Material Handling Equipment
- Heating, Ventilation, Air Conditioning, and Refrigeration Equipment



ENERGY & POWER EQUIPMENT

- Oil & Gas Machinery
- Turbines and Generators
- Pumps and Pumping Equipment
- Air & Gas Compressors
- Transformers

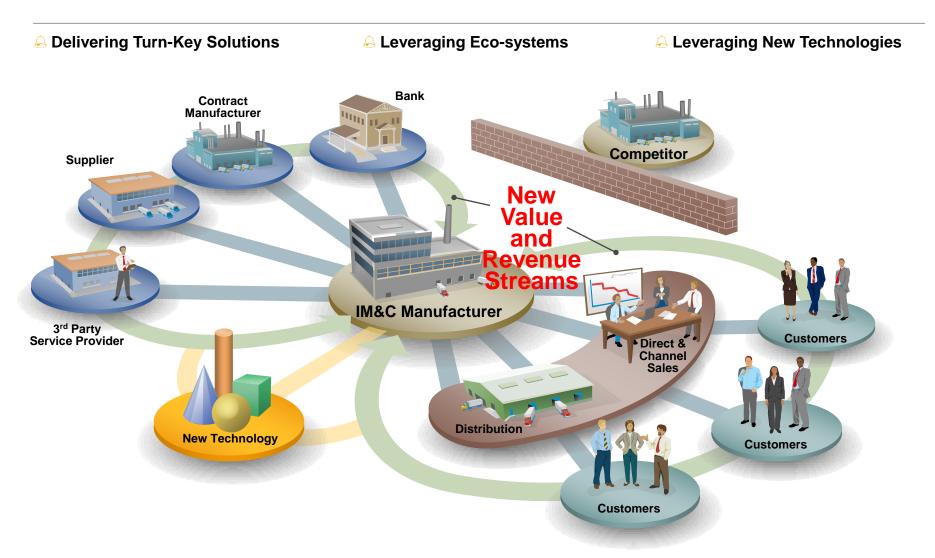


RAIL EQUIPMENT & SHIPBUILDING

- Railroad Equipment
- Ship Building and Repairing

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The Next Generation Business Model Solution Provider Network



SAP for Industrial Machinery & Components 5 Elements of Industry 4.0 / Integrated Industry

1 People & Machines



2 New Business Models



3 End-to-End Processes



4 Vertical Integration



5 Machine Life Cycle

+ 20 years

SAP for Industrial Machinery & Components

5 Elements of Industry 4.0 / Integrated Industry: The future will come automatically-

People & Machines

- Increasing Digitalization Virtual World and Real World coming together – "White Collar Robots"
- > What can be automated, will be automated
- > Human Machine Interface need to be developed new

New Business Models



- > Collaborative Consumption; Sharing Economy; Asset Light lifestyle
- New Industrial Downstream Service e.g. "Machine Benchmarking"
- Pay on Production Models; Scan and Copy (3D); Usage Based Billing
- Asset Life Cycle Business Models with continuously changing partners

E2E Process



- Networked and decentralized organized services (Fractal)
- Cyber Physical Networks; Usages of Vision and Noise
- > Heterogynous system structure need to need harmonized
- Plug & Produce Dynamic Processes

Vertical Integration



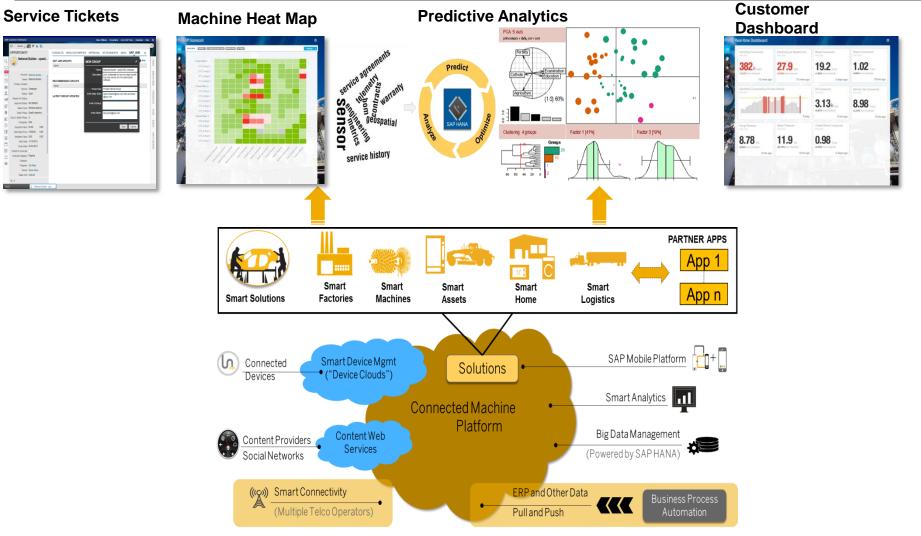
- Automation of business processes
- Creation and processing of data on all levels of details
- > Assembly & Sub Assembly are self-controlled and part of the autom.
- > People Safety needs to be reached on the highest level possible

Machine Life
Cycle

- + 20 years
- Alignment of the different life cycle of Software, Mechanics, Automatisation and the respective area for usage in production, energy, process areas need to be aligned over a longer period of time.
- Incentive & Registration Models to stay connected

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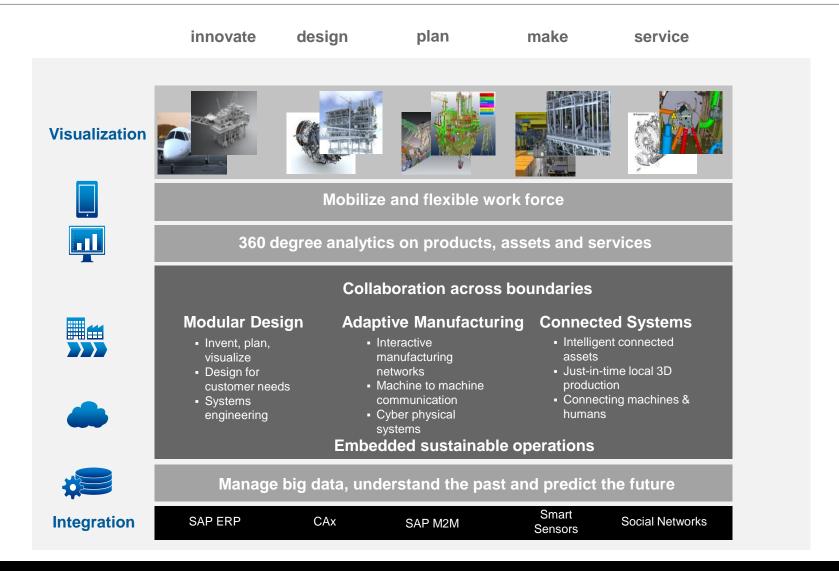
The Machinery Cloud Emerges: Emerging Applications **Some Examples**



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Industry 4.0: Idea to Performance

Integrated Business Solutions to Accelerate Idea to Product and Service Performance



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Thank you

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