

Challenges of Data Management



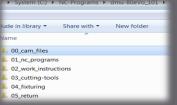
What do we see today:

- CAD data and processes are predominantly managed via a PDM/PLM solutions (parts, drawings, documents)

but

- CAM, Manufacturing data und processes with approx. 100 times more data are however mostly managed and guided over people

folder structures and



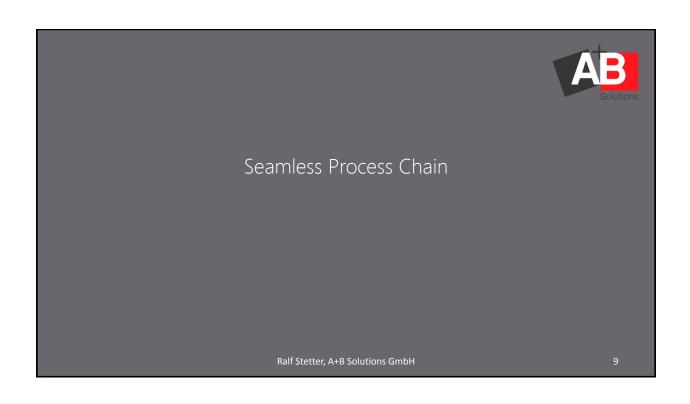
Manufacturing Data and Process Challenges

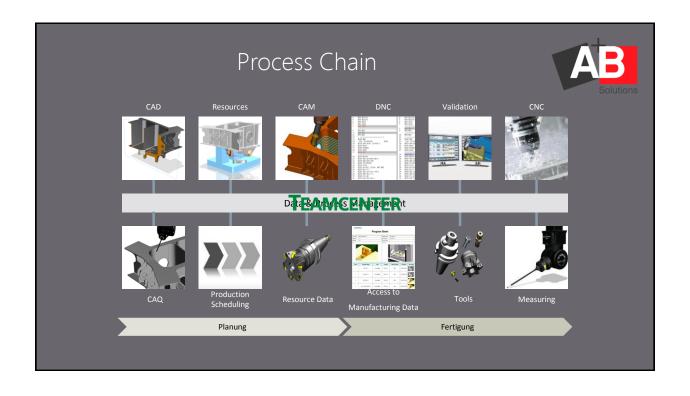


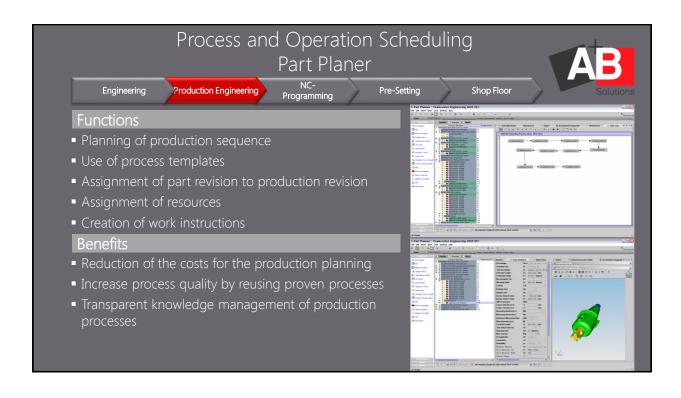
Impact:

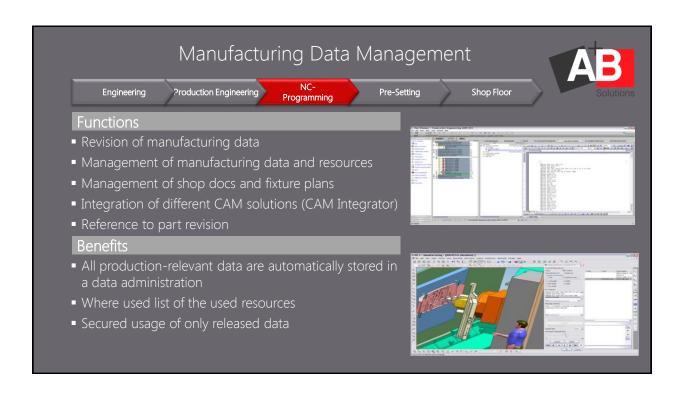
- Unsafe
- Faulty
- Waste
- Liability
- High organizational effort
- Time consuming
- Knowledge in individuals



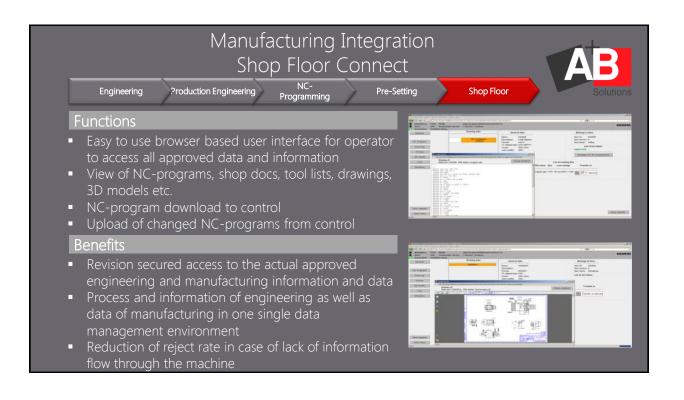


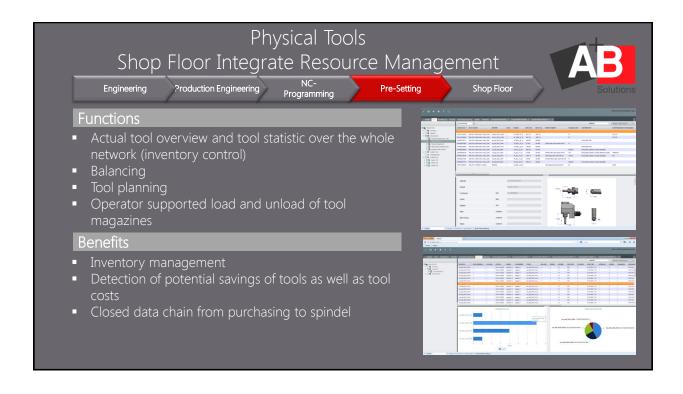


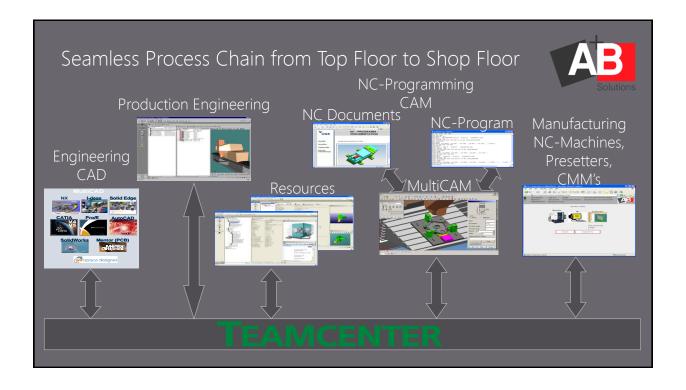


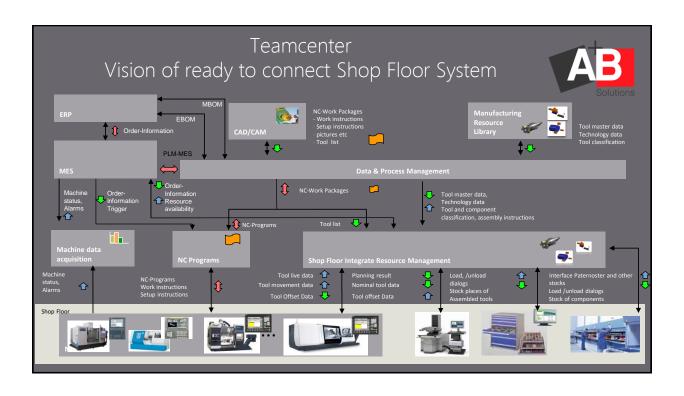


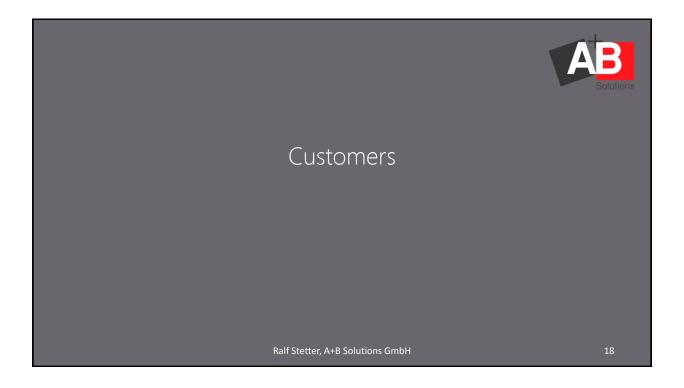












Customers





Berthold Hermle AG (Mill Center Machines)

- NX CAD, NX CAM, TCE, TCM, SFC
- Integration of 12 mill centers and tool presetting
- ✓ "We have decided for the integration of manufacturing in PLM because it fits
 perfect in our system landscape. The integration is key for a shorter project
 cycle time, higher process security and decrease of reject rate."

Mr. Schwoerer, Division Manager Production

Customers





Callaway Golf (Golf Equipment)

- NX CAD/CAM, TCE, TCM, Volumill, SFC
- Shop Floor Connect for 15 NC machines in the prototype shop Every operator is working with an iPad/Surface to view, download and upload the TC data over the Shop Floor Connect interface
- ✓ "With the seamless process chain from Engineering to the shop floor we are 50% more productive and in addition with Shop Floor Connect we saved 80% of papers in the shop floor (nearby paperless production)"

Steve Agulilar, Manager CAM & Tooling

Customers





- > Oskar Frech GmbH + Co. KG (Die Casting Machines)
 - NX CAD, NX CAM, TCE, TCM, SFC
 - Integration of 14 milling, drilling and turning machines and 2 tool presetters
 - ✓ "The usage of the integrated solution Manufacturing solutions of Teamcenter reduces our cycle time, decrease our process based reject rate down to 0%, gives us a direct feedback from production and thereby a higher quality, productivity and delivery reliability."

Dr. Norbert Erhard, Technical Managing Director





The A+B Solutions GmbH



- 15 motivated employees
- More then 35 years of experience of manufacturing connection and integration
- Over 400 customers with more then 420 installations worldwide
- Manufacturing Solutions
- Products and Solutions for
 - DNC
 - Machine Data Acquisition
 - PLM in Manufacturing (Teamcenter Manufacturing)
- Development, Consulting, Integration, Service and Support
- Technology Partner of Siemens PLM (Foundation, OEM and Service Partner)





