

Munich Technology Conference Additive Manufacturing Dr. Karsten Heuser, October 11, 2017

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Reimagine products. Retool manufacturing. Rethink business

Additive Manufacturing is one of our Company Core Technologies



Electrification, automation, digitalization – Siemens' Divisional setup











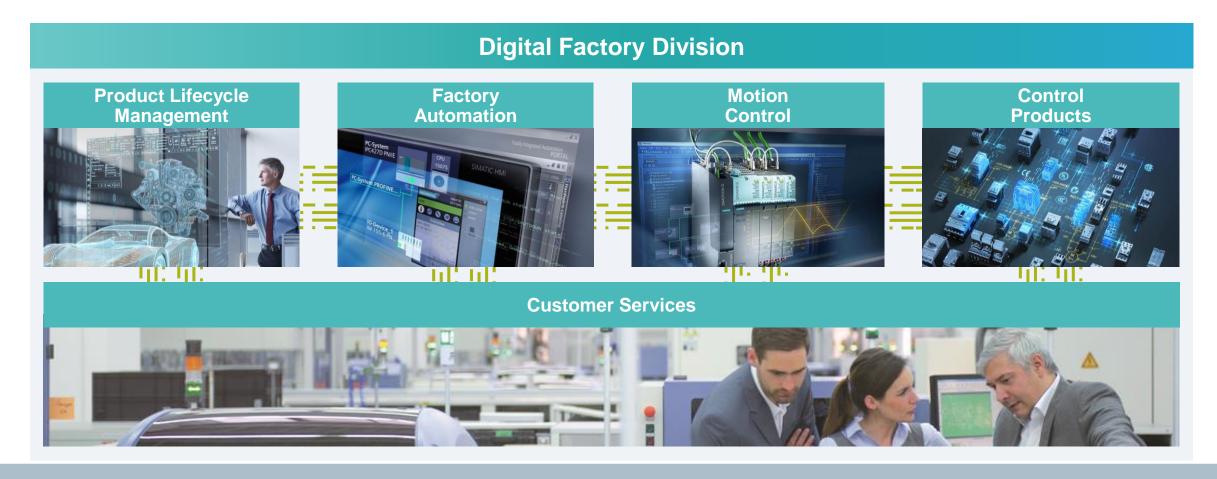






Digital Factory integrates unique competencies in Product Lifecycle Management and automation under one roof

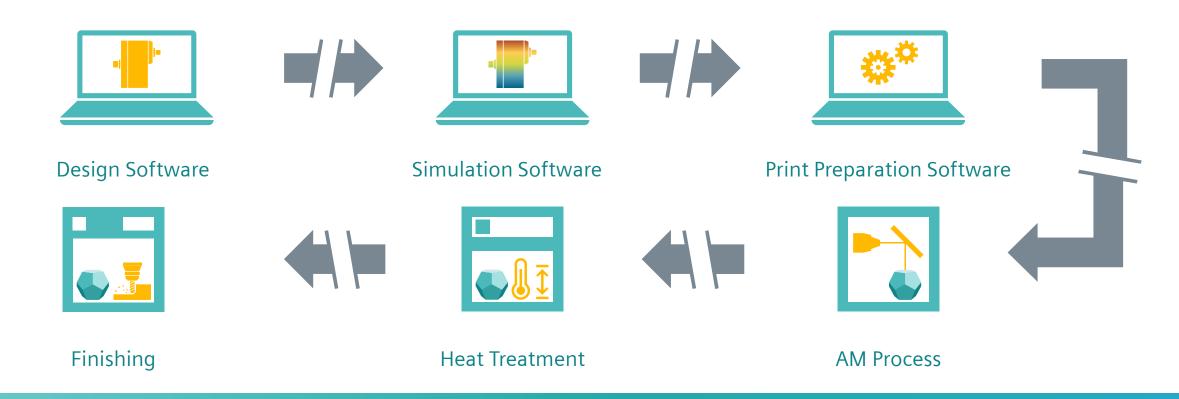




Our integrated product portfolio paves the way for the Digital Enterprise.

Today's barriers to industrialize Additive Manufacturing



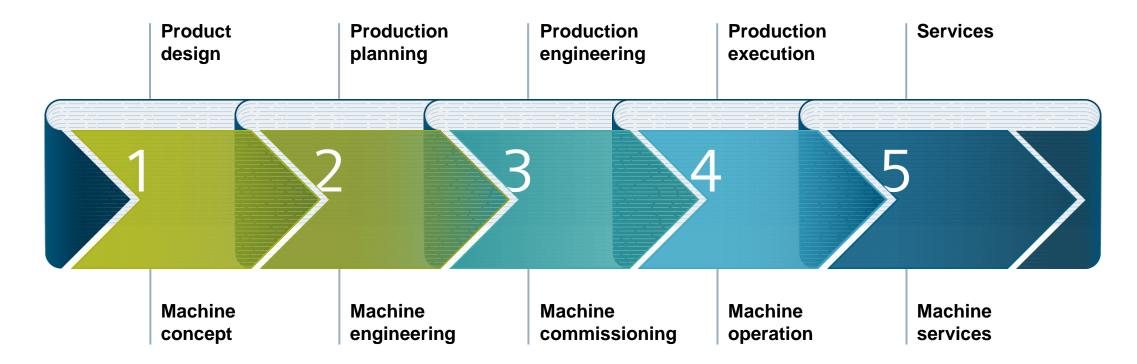


Disconnected process chain – multiple file conversions – uncontrolled machine performance

Our Digital Enterprise approach for Additive Manufacturing



Product manufacturer perspective



Machine builder perspective

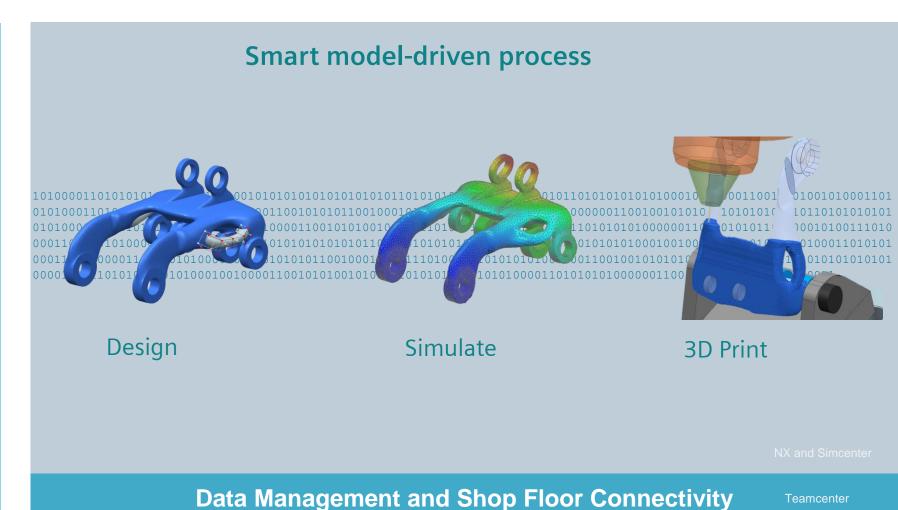
Specific Additive Manufacturing software tools unleash AM opportunities and ensure data consistency along the value chain



Design and simulate the product with NX CAD/CAE/CAM

- Topology optimization
- Lattice structures
- Convergent Modeling[™]
- Design rules
- Simulation for additive designs





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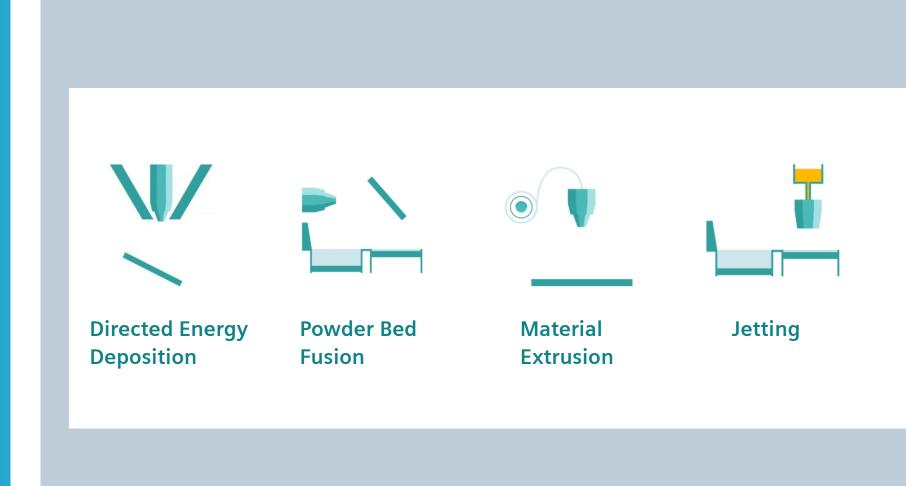
Industrialize technology based on Totally Integration Automation portfolio - improve speed, efficiency, flexibility and security



Develop and operate the machine

- NX Mechatronics Concept Designer
- Totally Integrated Automation
- Motion Control
- Fulfillment of IEC-UL/CSA criteria and associated certification





Siemens Part Manufacturing Platform – Global gateway to on-demand design and manufacturing



A global, digital collaboration platform for distributed, industrial additive manufacturing (AM) and co-innovation solutions

