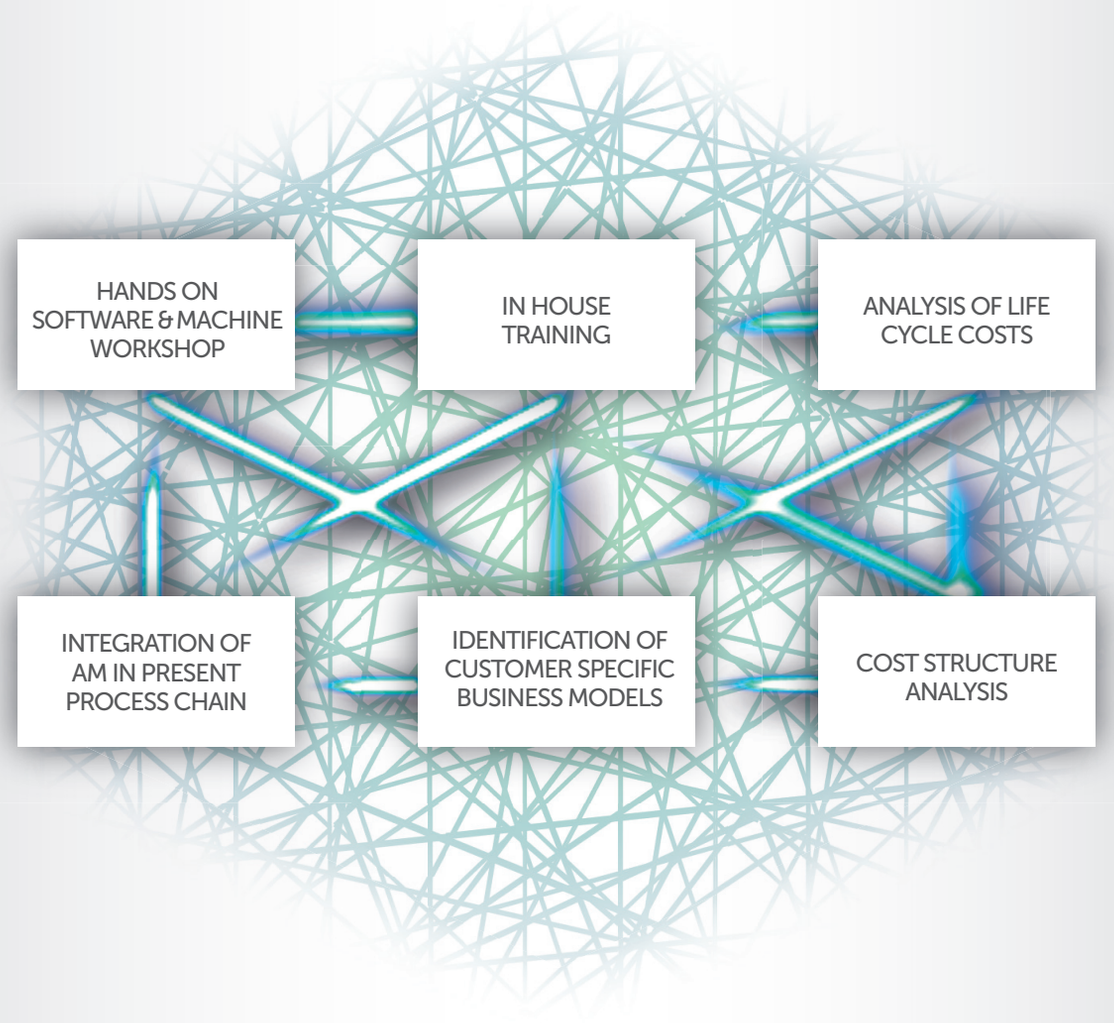
aconity 3D

ELABORATING YOUR ADDITIVE PRODUCTION



CONSULTING

DAY 1

STATE OF THE ART ADDITIVE MANUFACTURING

- Overview and In Depth View of AM Technologies
- Capabilities & Limitations of AM

MATERIALS FOR AM

- In Depth View of Metals and their AM Applications
- In Depth View of Polymers and their Characteristics

INSIGHT INTO CURRENT RESEARCH PROJECTS

- Guided tour Aconity 3D

9am

5pm

DAY 2

AM DESIGN RULES

- Overview of Software Landscape/ CAx Tools
- Topology Optimization

IN DEPTH VIEW OF PROCESS PARAMETERS

- Correlation between Design and Process Parameters

REDESIGN FOR AM

- Overview of most important Design Rules

HANDS ON DESIGN STUDY

- Applying Design Rules on exemplified AM Part

DAY 3

INTERACTION OF DESIGN AND COSTS

- Understand Main Cost Drivers for AM

HANDS ON DATA PREPARATION

- STL Manipulation/Repair
- Lattice Structures
- Support Structures
- Creating Machine File

HANDS ON MACHINE PREPARATION

- Complete set up of Laboratory Equipment
- Starting Job with self created Machine Files

9am

5pm

DAY 4

POST PROCESSING/ QUALITY ASSURANCE

- Overview of Post Processing Possibilities
- Hands on Training 3D Scanning System

HANDS ON MACHINE PREPARATION

- Unpacking of printed Parts
- Detaching your personal Part from Substrate

FUTURE VISION

- Future Trends and Aspects in AM
- Training Recap

CUSTOMER SPECIFIC TRAINING: The content for a comprehensive 4 day training is sketched out above. We do also provide tailored trainings towards specific customer needs. For registration and planning of the training please contact us.

CONSULTING APPROACH: Beside in house trainings at your place and hands on workshops in our facilities, we offer a holistic approach of consulting. Beginning with the Identification of your individual business model we support with analysis of life cycle costs and redesign of AM parts for maximal technology exploitation. If you want to step in even further, we will help to integrate customized AM Systems in your present process chain keeping your production up to date.

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