
Additive Manufacturing: Technical Starter Training - Get Started! (ADDMSTART)

Short Description

This training provides a comprehensive insight into Additive Manufacturing (AM), spanning from fundamentals to applications to technology outlook. Participants will learn about the main AM technologies and respective materials and will discover how material properties and process parameters influence cost and quality. Intensive theoretical design sessions and supplementary exercises provide you a working knowledge of what to consider for creating a "printable" design, considering relevant AM design rules. All this and the presentation of an entire AM approach shown on a Siemens example will help you to conceptualize Additive Manufacturing in a holistic manner.

Target Group

This training is mainly designed for technical roles such as designers, conceptual and process engineers with little or no previous knowledge of Additive Manufacturing who want to learn how to apply and incorporate Additive Manufacturing in their daily business.

Content

Hands-on Training to gain in-depth understanding of the AM Value chain from generating new ideas to designing your own AM part

Experience the benefits and limitations of AM

Guided lab tour to get impressions of machines

Interactive exercises to understand application of main AM technologies and respective materials and build up your ecosystem required for AM

Apply AM design rules in an interactive working session (using metal as an example)

Develop an understanding of AM-critical influencing factors such as

- Process parameters (using metal as an example)

- Cost drivers

Develop an understanding of AM-critical risk factors such as

- Intellectual property

- Health and safety (EHS)

Note

Each participant will be able to fine tune their newly learned AM skills with the help of an internal AM expert in a 1 hour coaching session

To make the training as interactive as possible, an e-learning (2h) will be sent out as preparation approximately 2 weeks prior to the training

Certificate of attendance"

Type

Face-to-face training

Duration

2 days

Language

en