

# Additive Manufacturing Training

Jyväskylä Area

3D Printing / Additive  
Manufacturing training

BUSINESS > JYVÄSKYLÄ

3D  
FORM  
TECH

# Summary

3DFormtech is the biggest 3D printing service bureau in Finland offering metal & plastics printing and services related to Additive manufacturing.

Etteplan is an engineering service company in the forefront of Additive Manufacturing revolution.

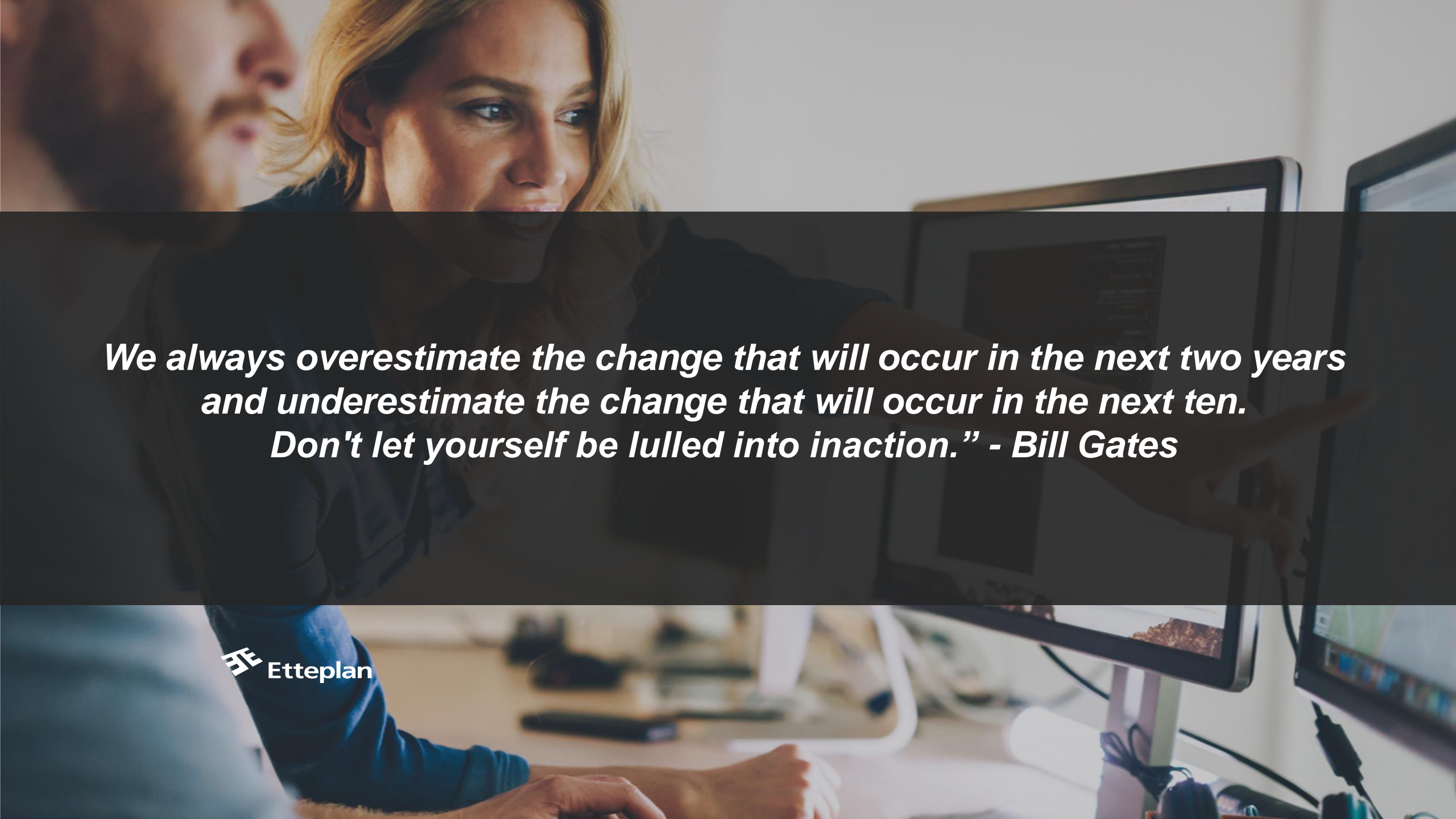
AM technology provides plenty of new opportunities for different industry segments. By utilizing new production technology it's possible to **improve the performance** of the components and **reduce the manufacturing cost** at the same time. We have trained more than 20 companies into Additive Manufacturing and we are good at it.

Together we want to support Jyväskylä Area companies to adopt this new technology. In order to achieve competitive advantage through AM, companies need to understand new degrees of freedom enabled by 3D printing technology. On the other hand there are also restrictions and challenges which are as important as possibilities.

Training gives participants a holistic view to Additive Manufacturing as a new and rising manufacturing method and gives tools to design future parts and products.

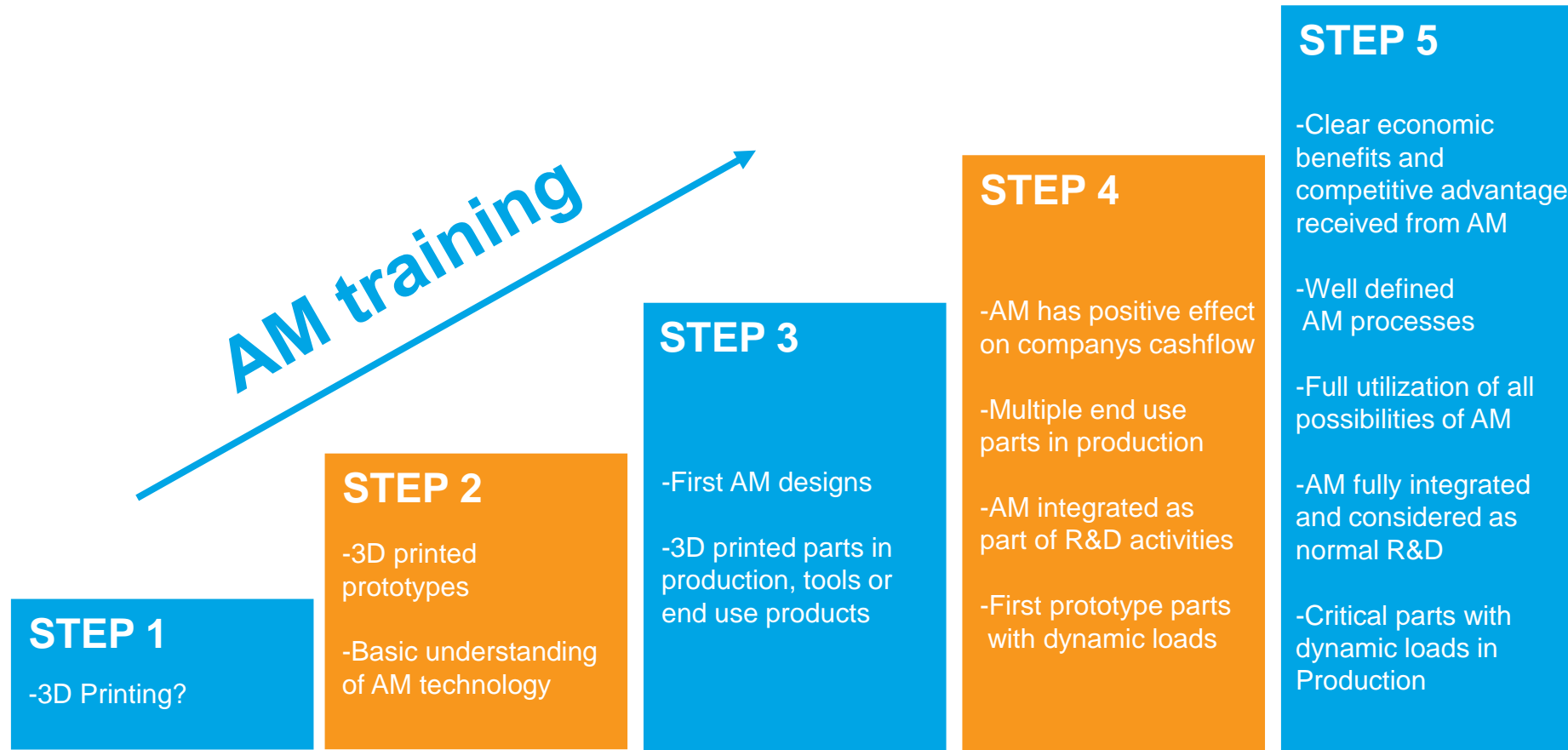
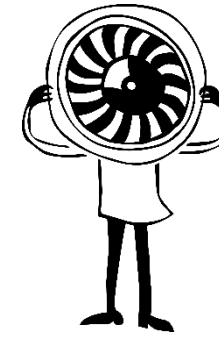
**Goal: Provide the best possible AM training for companies located in Jyväskylä area.**





***We always overestimate the change that will occur in the next two years  
and underestimate the change that will occur in the next ten.  
Don't let yourself be lulled into inaction.” - Bill Gates***

# Steps to AM success



# AM training - Manager 2 days

- 1) **Added value comes from design and AM technologies** – What is happening in 3D printing?
- 2) **Changes in value chains** – How AM will change traditional value chains and how this affects on your business?

**Price per person: 1500€ (VAT 0)**

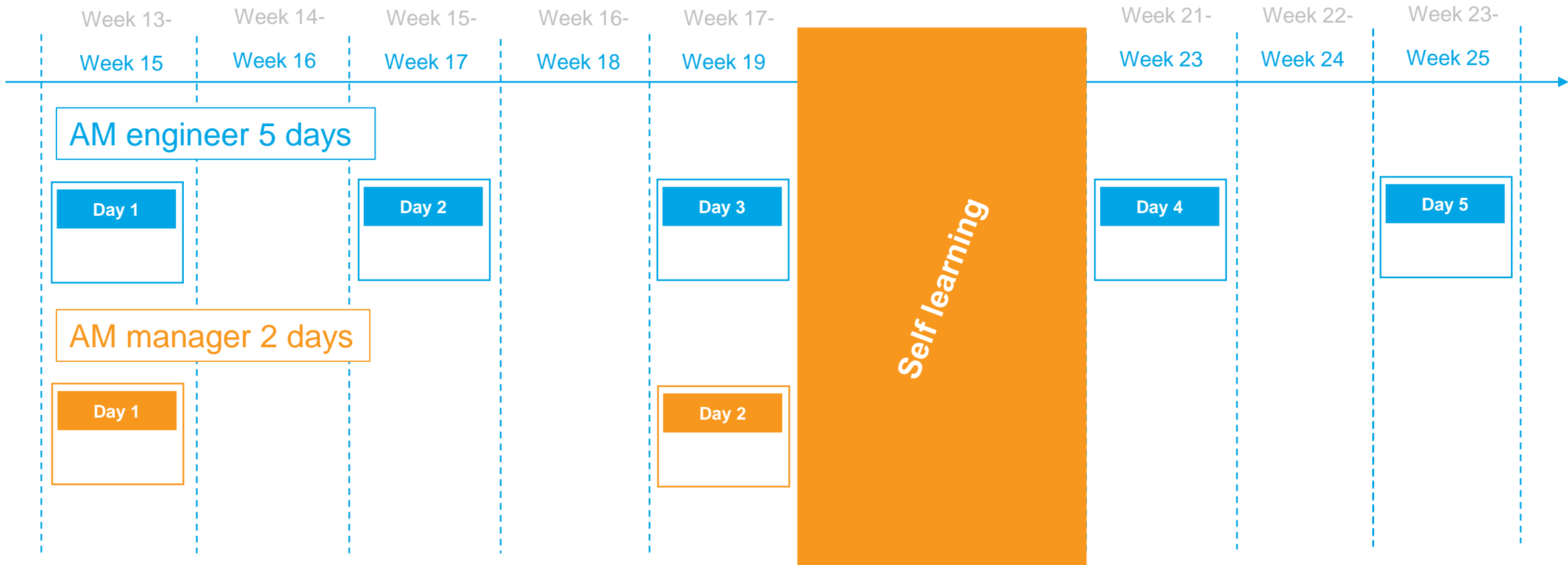
# AM training - Engineer 5 days

- 1) **Added value comes from design and AM technologies** – What is happening in 3D printing?
- 2) **AM design** – Basic design rules for AM
- 3) **Production tooling & AM softwares**
- 4) **Hands-on:** Metal printing (LPBF), plastic printing and post-processing
- 5) **AM production & training conclusion** – mass production in AM and results from self-learning exercises

Price per person: 2200€ (VAT 0)

All participants will receive 3D printing handbook and 3D printed parts (metal & plastic)

# Preliminary schedule 2020



Weeks can be adjusted according wishes from participants.

# Training references

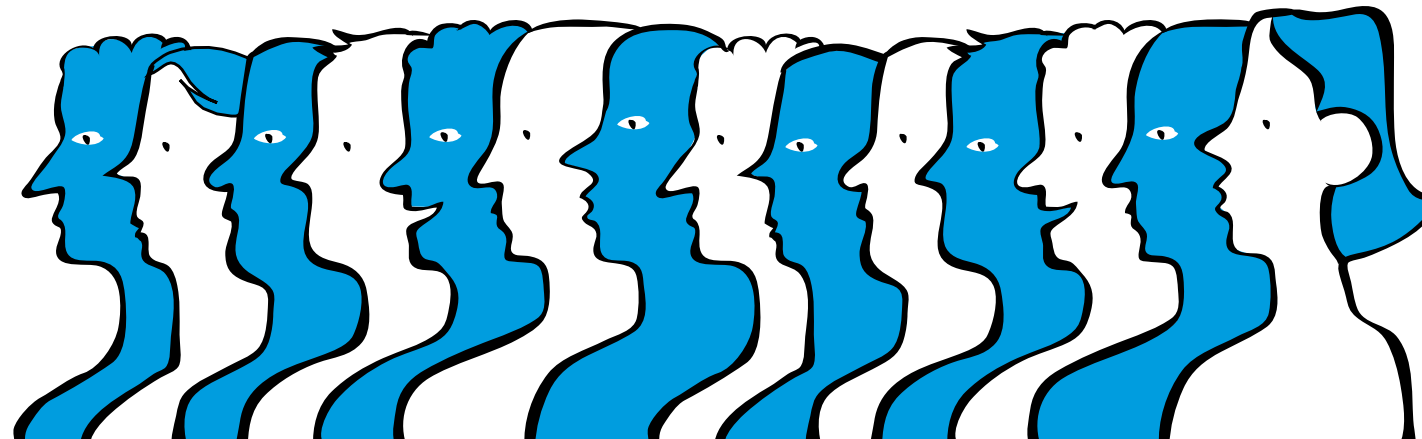
- Wärtsilä
- ABB
- KWH Mirka
- Danfoss
- TMR
- Fortaco
- SOP-metal
- Lillbacka
- Vaasa University
- VAMK
- Rosendahl-Nextröm
- Vaisala

## Our training packages

- 1 day engineering training
- 5 day engineering training
- 10 day engineering training
- Manager training

## Case studies & videos

[www.etteplan.com/our-services/engineering/additive-manufacturing](http://www.etteplan.com/our-services/engineering/additive-manufacturing)





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