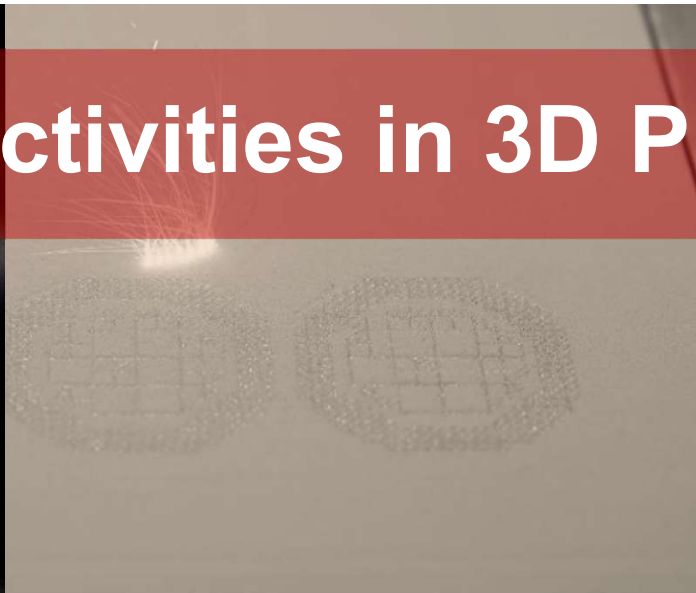


# Swiss m4m Center

## Company Presentation



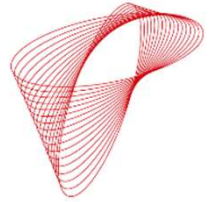
# Our Day to Day Activities in 3D Printing



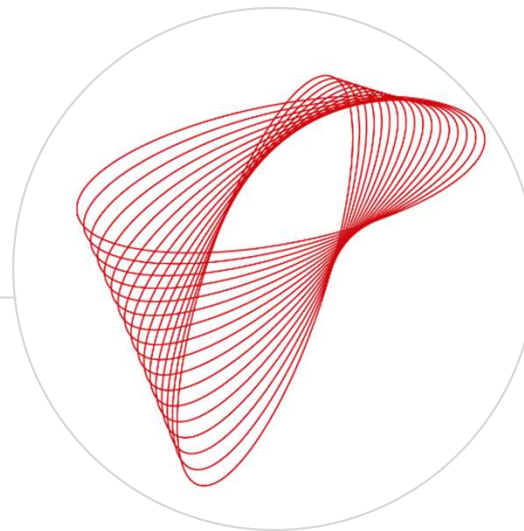


# Technology Transfer Center

At the edge between research and the industry



**Swiss m4m Center**



**Research**

**3D Printing  
Technology Transfer Center**



**MedTech / Dental Industry**

# We enable innovation and support MedTech & Dental companies to be successful with additive manufacturing



**A best in class infrastructure**



**An integrated supply chain**



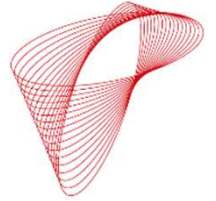
**ISO 13485:2016 certification**



**A dedicated partner ecosystem**

# Our Services

We offer different types of services to address each customer needs



## 3D Printing



3D Printing of prototypes, series  
and custom made devices

## Engineering

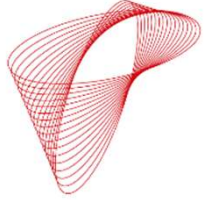


Engineering projects from design for additive  
manufacturing to complete process validation

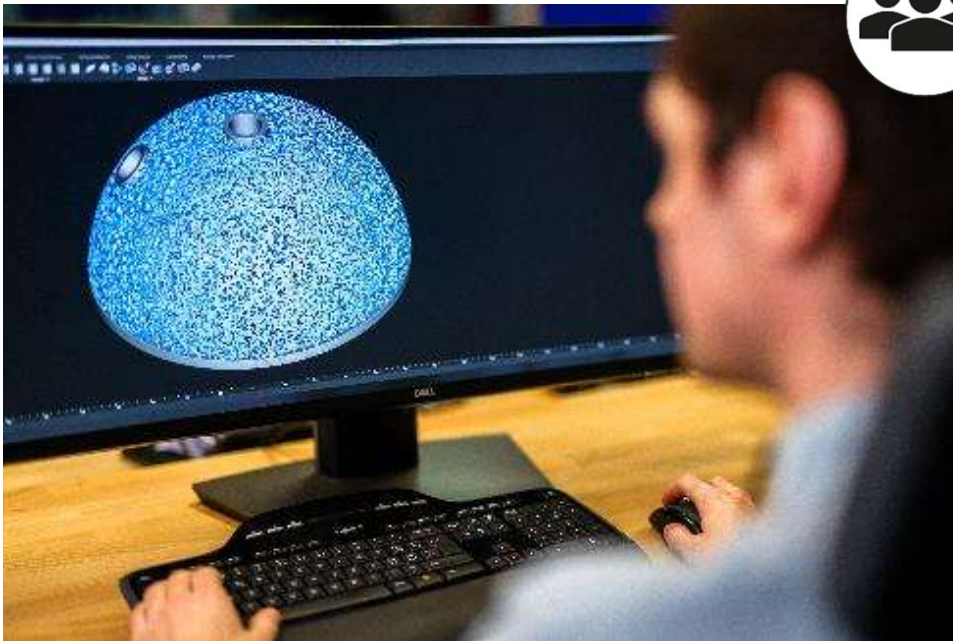


# Our Services

We offer different types of services to address each customer needs



## Consulting



Support with design for additive manufacturing and different topic related to AM (safety,...)

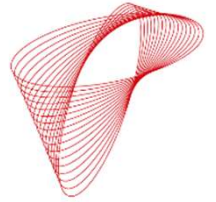
## Education



Workforce training and education from apprentice to professionals

# Meet the m4m People

65 years of experience in the MedTech field dedicated to your success



Patrick Stämpfli  
Technician / EHS  
Production Specialist



Melanie Wahl  
Training Manager  
MSc. Psychology



Reto Nardini  
Project Manager Validation  
MedTech Engineer



Timo Kofmehl  
Project Manager  
Mechanical Engineer



Alexander Hatt  
QA & Project Manager  
MedTech Engineer



Nicolas Bouduban  
CEO  
MedTech Engineer



Marco Flury  
Project Manager  
Mechanical Engineer



Leander Flury  
Production technician  
Production Specialist



# Our Digital Production

Where ideas take shape...

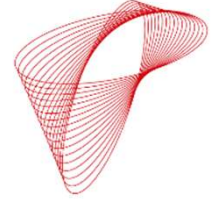




# Manufacturing Workflow

End to End process chain and operational excellence

ISO 13485:2016



Pre Processing

In Processing

Post Processing



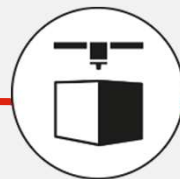
Request  
Verification



Data  
Preparation



Powder  
Management



Additive  
Manufacturing



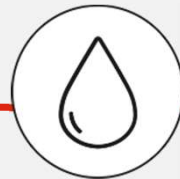
Heat  
Treatment



Post  
Processing



Surface  
Treatment

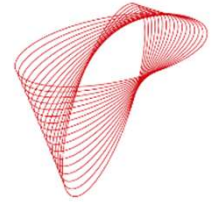






















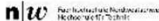



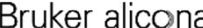






























Final  
Cleaning

Qualified Suppliers

# Partners

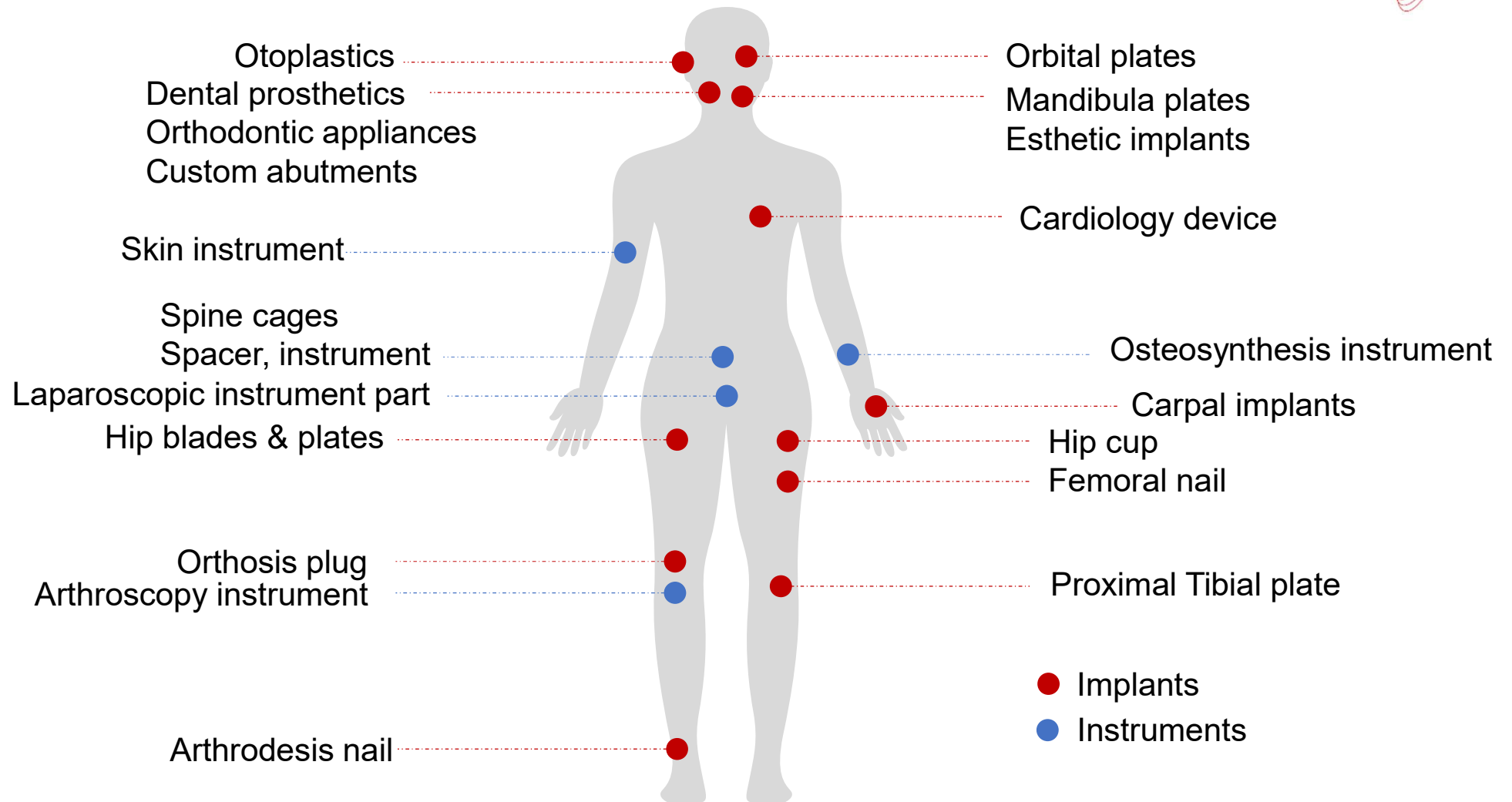
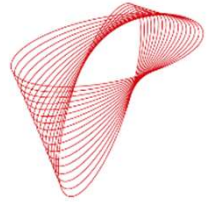
Along the supply Chain



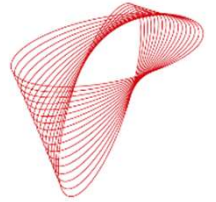
 <b>Clinical MedTech</b>	 <b>Research</b>	 <b>Engineering</b>	 <b>Powder Management</b>	 <b>Additive Manufacturing</b>	 <b>Post Processing</b>	 <b>Heat Treatment</b>	 <b>Cleaning</b>	 <b>Institution Education</b>
      	    	    	       	       	  	 	       	



# Our Track Record in Medical Device 3D Printing

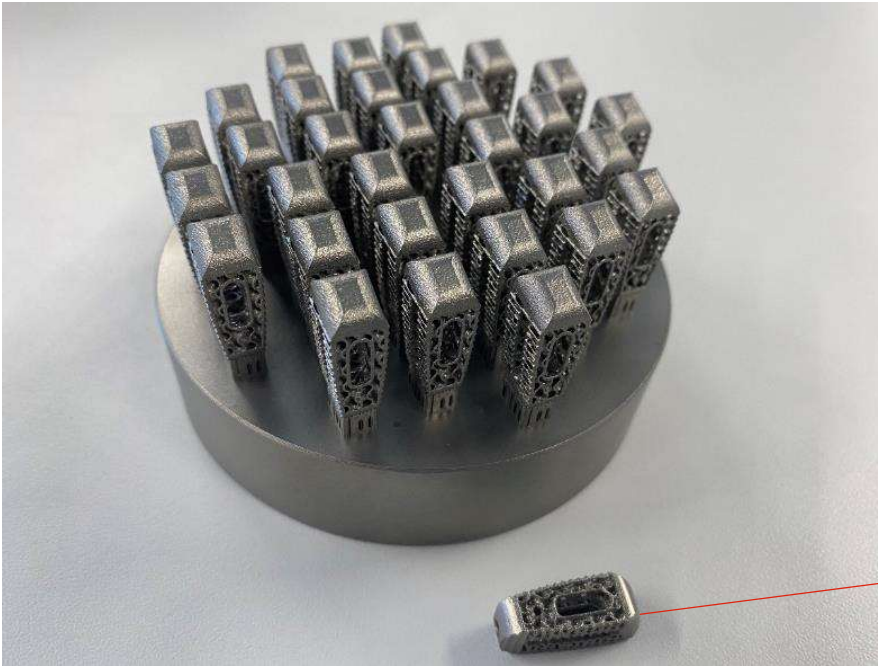


# Prototyping / Engineering



## Added Value

- Design iteration speed
- Complex structures
- Part consolidation



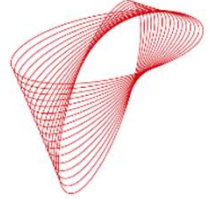
**Spine cage with topology optimized structure  
(Titanium Grade 23)**



**Acetabulum Cup  
(Titanium Grade 23)**

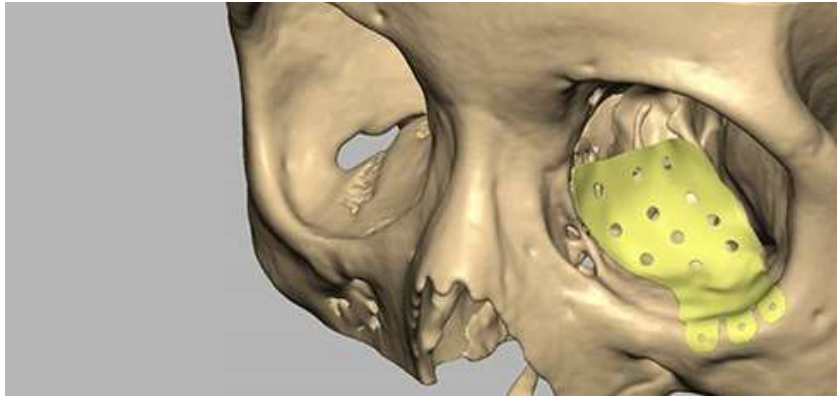


# Custom Made Implants

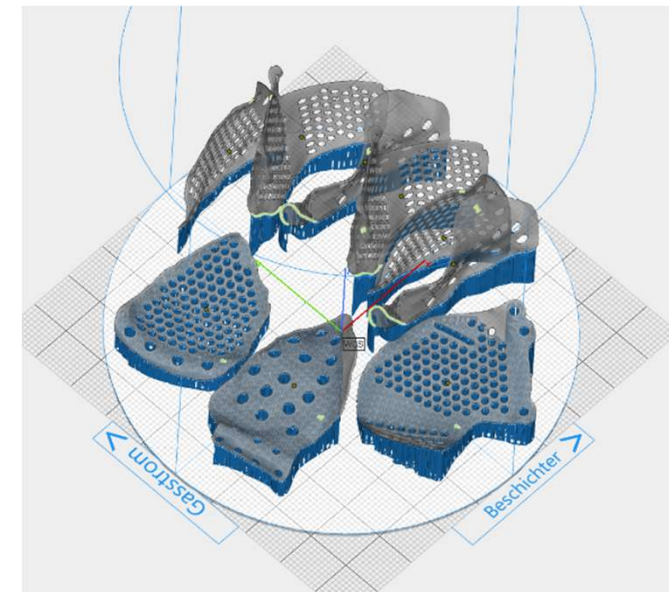


## Added Value

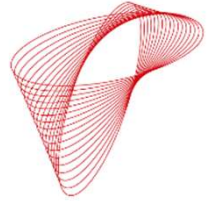
- Individualization
- Mass customization
- Anatomical fit
- Surgical time reduction



**Custom Orbital & mandibula plates for Craniomaxillofacial surgery (Titanium Grade 23)**

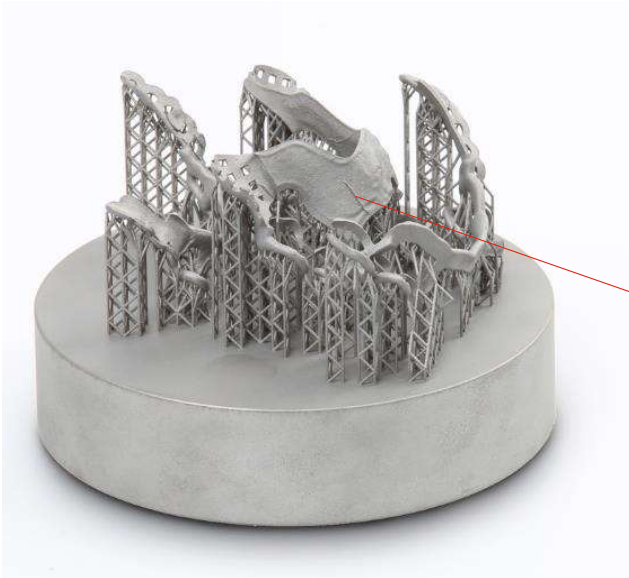


# Dental: Prosthetics & Orthodontics



## Added Value

- Individualization
- Mass customization
- Anatomical fit
- Digitalized workflow



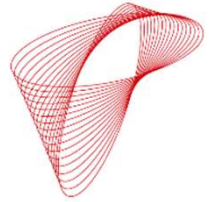
**Removable Partial Denture  
(Cobalt-chrome, Titanium Grade 23)**



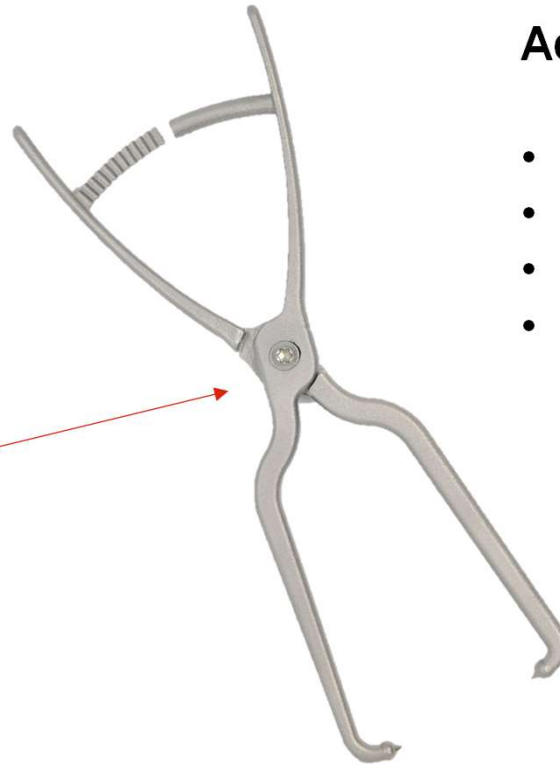
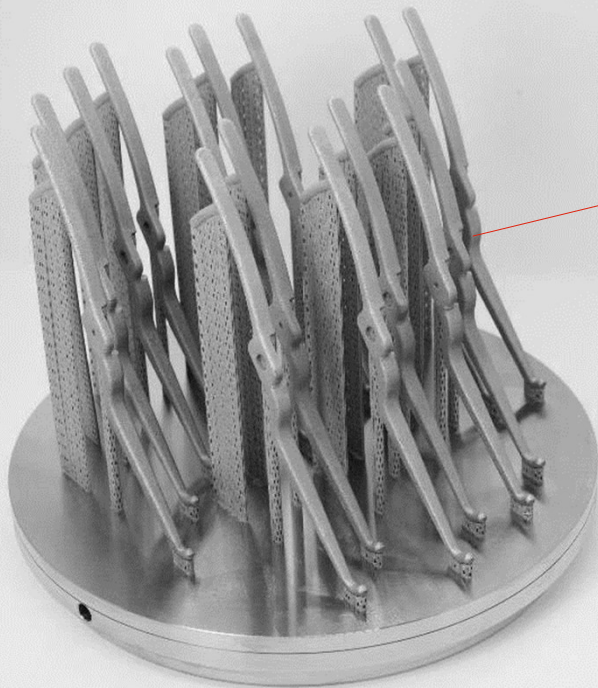
**Orthodontic appliance  
(Cobalt-chrome)**



# Instruments



**Bone Repositioning forceps  
(Stainless Steel 1.4542)**



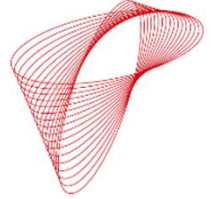
## Added Value

- Prototyping and small series
- Long tail portfolio
- Up to 75% lead-time reduction
- Complex structures

**Surgical guide  
(BioMed Resin)**



# New Technology: Preform



**CONFIDENTIAL**

## Added Value

- Custom made & small series
- Mass customization
- Production cost reduction
- Competitive advantage



**Custom and serial 3D print abutments  
(Titanium Grade 23)  
Made by the TRUMPF Preform Technology**

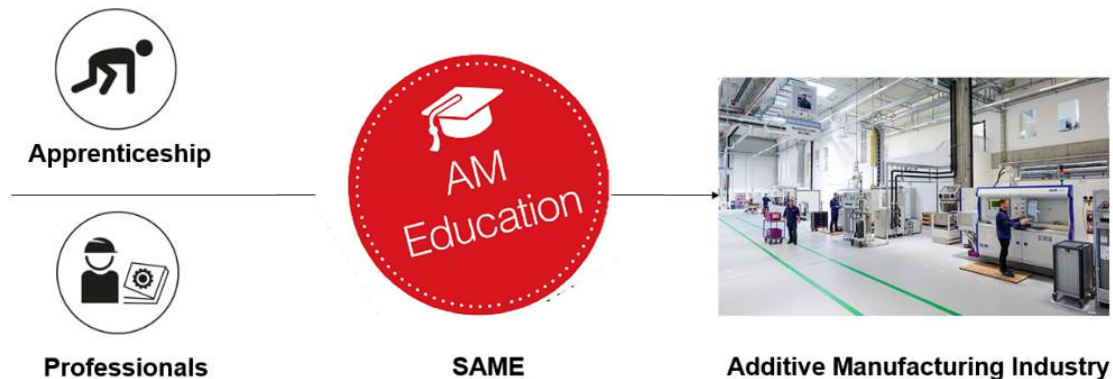


# ADIT

National education Center that takes over the m4m training and education activities.



- Leading hub for training & education in additive manufacturing
- Establishment of the center with infrastructure for hands-on training
- Vocational basic training, professional development, and upskilling
- Expansion of the education value chain
- Start of activities between 2025 and 2027





# It's not about ideas. It's about making ideas happen.

Scott Belsky

**Swiss m4m Center AG**

Föhrenweg 7

2544 Bettlach

+41 32 645 00 24

info@swissm4m.ch

Virtual Tour

