

## Key Information about Planned Centers in the AM-TTC Initiative

This document provides key information about consortia that plan to establish an Advanced Manufacturing Technology Transfer Center (AM-TTC). It mentions the name, the focus area, the main contact person and further partners of centers that have submitted a Sketch & LOI until 21<sup>st</sup> December 2018. The aim of the list is to give interested parties an overview about the planned centers in the AM-TTC initiative. The list may not provide all currently available information about the centers, but it will give interested parties some key information about the centers and the possibility to get in touch with the main contact or with other partners of a center consortium.

Acronym	Name	Focus Area	Main Contact	Further (signing) partners
ABiTeC	Advanced Biomanufacturing Technology Transfer Center	Fabrication of living tissues using 3D assembly strategies, in particular 3D bioprinting	Maurizio Gullo, FHNW	Erik Schkommodau, FHNW Markus Rimann, ZHAW Michael Raghunath, TEDD
AM-LMP	Additive Manufacturing of Large Metal Parts	AM of large parts for the aerospace and energy industries made of specific metals, e.g. high temperature Nickel alloys or high Carbon content alloys	Emanuele Carpanzano, SUPSI	
ANAXAM	Applied Materials Analytics with Neutron and X-Ray Radiation	Consulting and development of specific infrastructure to provide industry efficient access to the capabilities in materials analytics at PSI	Christian Grünzweig, PSI	Vincenza Trivigno, Kanton Aargau Jürg Christener, FHNW
BATMAN	Battery Manufacturing	Production and optimization of batteries, including material synthesis, electrode production, cell production, battery pack, testing and diagnostics	Axel Fürst, BFH	
CRTC	Composite Research and Technology Center	Development, optimization and up-scaling of tailored processing and fabrication technologies for polymer-based composites	Paolo Ermanni, ETH Zürich	André Studart, ETH Zürich Ingo Burgert, ETH Zürich

Acronym	Name	Focus Area	Main Contact	Further (signing) partners
DAC	Digital and Automated Construction	Large scale manufacturing technologies, including material processing and assembly, in architecture, engineering and construction sectors	Russell Loveridge, ETH Zürich	
hipC	Hot Isostatic Pressing (HIP) for Additive Manufacturing (AM)	Operate a HIP machine and develop suitable process parameters for the post-treatment of AM parts affected by cyclic stress and fatigue	Felix Reinert, SIP Biel	
M2C	Micro-Manufacturing Center	Fabrication of micro-scale and high-precision components and systems, including laser micro-machining, 3D metal and multi-material printing	Bruno Studach, EPFL	Vivek Subramanian, EPFL George Kotrotsios, CSEM Michel Despont, CSEM Fritz Bircher, HES-SO
M4IVD	Manufacturing for In-Vitro Diagnostics	Development environment and modular pilot production line for In-Vitro Diagnostics (IVD) products, including Point-of-Care (POC) devices	Sören Fricke, CSEM	David Hradetzky, FHNW Daniel Paris, Swiss TPH Stefan Stübinger, Uni Basel
m4m	Manufacturing Technologies for Medical Applications	Development and manufacturing of 3D printed medical implants on a production line that is integrated in a ISO 13485 certified QM system	Pierangelo Gröning, Empa	Robert Frigg, 41medical
Photonics	Photonics Systems Switzerland	Identification, development and transfer of photonic manufacturing and packaging technologies, including coating, printing and machining	Richard Quaderer, RhySearch	Andreas Ettemeyer, NTB Buchs
SMM	Sustainable Materials Manufacturing	Prototype production in the fields of wood and wood derived materials as well as 3D printing of renewable building blocks and natural fibers	Ingo Burgert, ETH Zürich	Ingo Mayer, BFH

For further information about the AM-TTC initiative, please contact Lars Sommerhäuser: [lars.sommerhaeuser@empa.ch](mailto:lars.sommerhaeuser@empa.ch) , Phone: +41 (58) 765 4787.