



## TARGETED TRAINING COURSE

### “Additive Manufacturing production technologies”

Date: 17, 18, 19, 20 and 21 March 2025

Venue: IEC Tehnopolis, Radoja Dakića B.B Nikšić, Montenegro

### AGENDA

#### Day 1

17.3.2025

##### 9:30 - 10:00: Registration and Welcome

- Introduction to the course and objectives.
- Icebreaker activity to foster networking.

##### 10:00 - 11:30: AMTECH approach influence on regional collaboration

- Theory of change based on project results
- Key factors of change, outlook to district management model

##### 11:30 - 11:45: Coffee Break

##### 11:45 - 13:15: Transformative business modelling that foster AM

- Business and industry specificity that can be replied with BM reshape
- Collaborative session: Starting, reshaping and leading the process of BM transformation

##### 13:15 - 14:15 : Lunch Break

##### 14:15 - 15:45 : Process Economics in Additive Manufacturing

- Analysis of BM through cost drivers specificity of AM.
- Make-or-Buy decisions

##### 15:45 – 16:00 : Coffee Break

##### 16:00 - 18:00: Guest Speaker: Industry Expert

- Presentation of personal professional pathway of business development while utilising potential of AM.
- Q&A session with the speaker.

#### Day 2:

18.3.2025

##### 9:30 - 11:00: Costing Systems for Additive Manufacturing

- Overview of costing methodologies relevant to AM, economic aspect

##### 11:00 - 11:15: Coffee Break

##### 11:15 - 12:45 Specialization vs. Customization

- Understanding the benefits of customization.
- Pragmatic examples of successful customization strategies.

##### 12:45 - 13:45: Lunch Break

##### 13:45 - 15:15: Customer Relationship Management (CRM) in AM

- Adapting CRM strategies for products production.

##### 15:15 - 15:30: Coffee Break

##### 15:30 - 17:00: Process Capability Analysis





- Techniques for assessing the capability of AM processes compared to traditional methods.

**Day 3:****19.3.2025****9:30 - 11:00: Current Challenges in Additive Manufacturing within the National Ecosystem**

- Addressing nationally recognized challenges through results of collaborative support measures provided by the IEC Tehnopolis TECH LAB

**11:00 - 11:15 : Coffee Break****11:15 - 12:45: Impact on Production Management in Montenegro**

- Introduction to TECH Lab laboratory technologies, showcasing transformative practices, supported ideas, and contributions from researchers, innovators, and SMEs.

**12:45 - 13:45: Lunch Break****13:45 - 15:15 : Bringing Ideas into Life**

- Exploring integration of lean principles into additive manufacturing through collaborative prototyping session

**15:15 - 15:30: Coffee Break****15:30 - 17:00: Simulation and Optimization for AM**

- Introduction to simulation tools for AM process optimization.

**20.3.2025****9:30 - 11:00: Hands-on exercise small group**

- Collaborative prototyping session

**11:00 - 11:15 : Coffee Break****11:15 - 12:45: Group Project Introduction**

- How to develop business case studies utilizing lessons learned

**12:45 - 13:45 : Lunch Break****13:45 - 15:15: Bringing Ideas into Life**

- Interactive mentoring session on building projects

**15:15 - 15:30: Coffee Break****15:30 - 17:00: Testing the model results**

- Group work presentation.
- Peer-to-peer evaluation and feedback

**Day 5****21.3.2025****9:30 - 11:00: Showcasing session of the supporting process**

- Showcasing pathway of collaboration among TECH Lab and industry, real time support measures presentations and results

**11:00 - 11:15: Coffee Break****11:15 - 12:45 : Individual mentoring sessions**

- Future model development through direct collaboration between designated mentors and small Idea clusters

**12:45 - 13:45: Lunch Break****13:45 - 15:15: Testing of gained knowledge**

- Individual exercise
- Plenary presentations and discussion

**15:15 - 15:30: Coffee Break****15:30 - 17:00 Course wrap-up and certificate distribution**