



Innovation Support 2020

INNOSUP-08: Pan-European advanced manufacturing assistance and training for SMEs

ADVANCED MANUFACTURING FOR THE INTELLIGENT ECONOMY (AMIE)

GND Technology

PROJECT OUTLINE

The project of the Advanced Manufacturing for the Intelligent Economy (AMIE) will create a network and ecosystem for advanced manufacturing assistance and training for SMEs. Manufacturing in the European economy represents 22.1% of employment and 26% of the value-added of the EU-28's (until Brexit) non-financial business economy.¹ Advanced manufacturing is at the heart of the Fourth Industrial Revolution, shaping the future of production and value chains. It opens opportunities for companies to shape a new wave of economic growth. But only 29% of industrial companies actively deploy Fourth Industrial Revolution technology at scale.² The AMIE project will create a platform for effective collaboration between industry players and for support of convergence between manufacturing processes, supply chains and frameworks for manufacturing assistance and training for SMEs. The key aspects will include manufacturing automation (data analytics, robotics, internet cloud infrastructure), energy efficiency (advanced materials, renewable sources, waste management), and financing (capital budgeting, investments). All effort will be based on developing and implementing the 'factory of the future' concept. The planned project duration is 36 months. The project aims to create an advanced manufacturing assistance and training ecosystem across Europe and beyond.

Project coordinator takes a responsibility of the following tasks:

- Creating work packages and coordinating collaboration between project consortium partners.
- Designing and developing an interactive platform for the effective collaboration between industry players and manufacturing assistance and training for SMEs.
- Designing methodological frameworks of training programmes for manufacturing SMEs.
- Establishing connection and developing collaboration with the European Advanced Manufacturing Support Centre.
- Establishing connection and developing collaboration with the European Social Fund.
- Establishing connection and developing collaboration with the Enterprise Europe Network and cluster organisations.
- Developing collaboration with the industry leading science and technology centres.
- Engaging with, training, assisting and disseminating project material to the largest possible number of manufacturing SMEs.

Expectations from project partners:

- Strong expertise in one or several of the key areas including manufacturing automation, energy efficiency, and financing.
- Experience in staff training and manufacturing consulting.
- Developing collaboration with the industry leading science and technology centres.
- Engaging with, training, assisting and disseminating project material to the largest possible number of manufacturing SMEs.

¹ Manufature High-Level Group (2018). Manufature Vision 2030: Competitive, Sustainable and Resilient European Manufacturing. ISBN: 978-989-95853-7-9.

² World Economic Forum in collaboration with McKinsey & Company (2019). Fourth Industrial Revolution: Beacons of Technology and Innovation in Manufacturing.