Boosting the scientific excellence and innovation capacity in additive manufacturing of the Technical University of Cluj-Napoca

Fact Sheet

Project Information

AMaTUC
Grant agreement ID: 691787

Funded under
H2020-EU.4.b.

Project website

Overall budget
€ 999 443,75

EU contribution
€ 999 443,75

Start date
1 January 2016

End date
31 December 2018

Coordinated by
UNIVERSITATEA TEHNICA
CLUJ-NAPOCA
Romania

Objective

The overall aim of the AMaTUC project is to boost the scientific excellence and innovation capacity in additive manufacturing of the Technical University of Cluj-Napoca (TUCN) and its high-quality Twinning partners for the benefit of the automotive industry and personalised products markets. To achieve this aim, the 3 year project will build upon the existing strong research and innovation base of TUCN and its twinning partners Loughborough University (LbU), FH Aachen University of Applied Sciences (ACUAS) and Intelligentsia Consultants (Intelligentsia). The AMaTUC project aims to boost TUCN and twinning partners' scientific excellence and innovation capacity in additive manufacturing, as well as
implementing a research and innovation strategy focused on three sub-topics:
1. Improve existing AM technologies,
2. Integrate the AM technologies with suitable Rapid Tooling methods, and
3. Design for competitive manufacturing of personalised products and computer planning (CAE-FEM) analysis and simulation

The research and innovation strategy takes into account the recent SWOT analysis of TUCN as well as the national Romanian research priorities and Smart Specialisation Strategy. The specific objectives of the AMaTUC project are presented below:
• Objective 1: Strengthen TUCN’s research excellence in AM
• Objective 2: Enhance the research and innovation capacity of TUCN and Twinning partners
• Objective 3: Raise the research profile of TUCN and the Twinning Partners
• Objective 4: Contribute to the research and innovation priorities of Romania
• Objective 5: Support research and innovation on a European level

Field of science

/social sciences/economics and business/business and management/commerce
/engineering and technology/mechanical engineering/manufacturing engineering/additive manufacturing

Programme(s)

Topic(s)

Call for proposal

H2020-TWINN-2015

Funding Scheme

CSA - Coordination and support action

Coordinator

UNIVERSITATEA TEHNICA CLUJ-NAPOCA

Address
Str Memorandumului 28
400114 Cluj Napoca

Activity type
Higher or Secondary Education Establishments

EU contribution
€ 501 495
Participants (3)

LOUGHBOROUGH UNIVERSITY
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EU contribution
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Activity type
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Website
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INTELLIGENTSIA CONSULTANTS SARL
Luxembourg
EU contribution
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Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

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