

## PROBLEM/ISSUE ADDRESSED

Many manufacturing companies and engineering offices are entering AM. The integration of digital AM simulation of the design and the process to the engineering is a challenging part of the implementation of AM. To succeed in implementing simulation it is necessary to build up knowledge in digital multi-scale modeling. Training of actual design professionals and future professional engineers in universities is necessary to fill the existing knowledge gap.

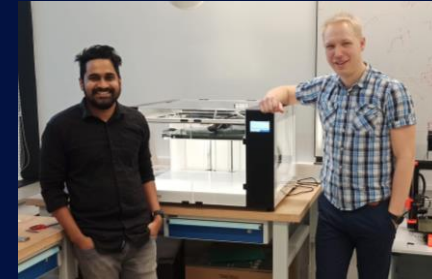
## SOLUTION

The proposed project evaluates the knowledge gap in companies that want to implement AM. Subsequently, tailored training packages on AM multi-scale modeling and simulation are offered to fill the gap. Furthermore, nuggets will be used by universities to educate the future workforce and researchers to achieve synergies and to scale up impact.

## WHY IT IS IMPORTANT FOR SOCIETY

The impact of the project is: 1. Evaluation and self-evaluation tool for industry to identify the needs for competencies in additive manufacturing design and process area. 2. Set of EIT-M labeled nuggets available under EIT Manufacturing conditions for companies and universities 3. Public dissemination campaign to enhance and expand collaboration in the frame of EIT Manufacturing, EU and internationally

“ Thanks to EIT we were able to test out the target groups and create better learning materials to train actual design professionals and engineers ”



## MAIN RESULTS & INSIGHTS



- Self-evaluation tool for industry to identify needs for competences in additive manufacturing (AM) design and process development



- Set of EIT-M labelled learning nuggets focusing on finite element modelling and simulation for AM available on the EIT learning platform skills.move



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