



PROBLEM/ISSUE ADDRESSED

CAM technology is well established in the industrial field for the purpose of fast and efficient NC-Code generation. Due to rapid developments in the field of information and communication technologies, several advanced CAM modules such as process force calculation, chip formation analysis, and spindle speed/ feedrate optimization have been researched and developed in the last decades, however, have not been industrialized to a broad field of industrial companies yet.

SOLUTION

To succeed implementation of these advanced tools, additional training is necessary which can be provided by Universities and system providers to a broad range of candidates. The **aim of the project CAMplus4.0** is to develop an interactive training program for professional manufacturing engineers, to empower them in the field of CAM / NC-Code simulation and optimization methodologies.

WHY IT IS IMPORTANT FOR SOCIETY

The project addresses a growing skills gap in manufacturing industry. Experienced machinists and NC-programmers retire, often taking years of experiencing with them. The developed course supports the up- and reskilling of the current and future workforce, in order to close this identified gap for a strong manufacturing base in Europe.

“ Thanks to EIT we were able to pull together resources and competences from partners (CTU in Prague - RCMT, TU Wien - IFT and ModuleWorks) to develop a training program that tackles one of the major issues in today’s manufacturing environment. ”



MAIN RESULTS & INSIGHTS



- Development of 5 learning paths and +20 learning nuggets in the field of CNC technology and CAD/CAM



- Development of a interactive live training program for machining experts to broaden the horizon towards simulation and optimization methodologies



- First live seminars taking place in *December 2022!*
- Contact p.vavruska@rcmt.cvut.cz if you are interested!