

Synera launches educational initiative for engineering students – Exclusive collaboration with NASA

[Bremen, 16. June 2025] – Bremen-based technology company Synera, a pioneer in visual programming for process automation and a leading platform for AI agents in engineering, is launching a new educational program that prepares students for the challenges of modern engineering professions in a practical way. At the heart of the program is the exclusive Synera x NASA Education Challenge – a real-world multiphysics design task offered by NASA.

Bridging the gap between the lecture hall and high-tech industry

With the Synera Education Program, the company aims to create a practical supplement to university studies. Participants receive free licenses for Synera's low-code platform as well as access to structured learning paths, workshops, and professional support. Support is provided in particular for theses, Formula Student teams, and teachers who want to integrate modern methods such as generative design, simulation, design optimization, and automation into their teaching.

"This partnership with NASA offers a unique, hands-on learning experience that reflects the reality of engineering work. Our goal is to familiarize young talent early on with the technologies that are already making a difference in the industry," says Dr. Moritz Maier, co-founder and CEO of Synera. "Participants gain practical skills in generative design, optimization, and working with state-of-the-art tools—skills that are essential for the next generation of engineers."

Engineering task from space: The Synera x NASA Challenge

As part of the joint challenge with NASA, international students tackle a real-world task from the field of space technology: They are looking for a structure that is as compact and lightweight as possible for rocket launches – a prime example of multidisciplinary system development.

The challenge kicks off with a digital launch event, where experts from NASA and Synera provide insights into the practical aspects. The teams then develop their own technical concepts and implement them using the Synera platform. This involves the use of advanced simulation and optimization methods, such as those used in the aerospace industry.

A springboard for the engineers of tomorrow

The initiative underscores Synera's commitment to promoting innovation in education and preparing young engineers for real-world challenges. In addition to professional development, the focus is also on networking with industry and research.

About Synera:

Synera is a platform for process automation in engineering, founded in 2018 by Dr. Moritz Maier, Sebastian Möller-Lafore and Daniel Siegel and headquartered in Bremen. The company is revolutionising the world of engineering, with the aim of fundamentally changing the way people work.

Synera enables engineers to efficiently automate manual processes. This frees highly-skilled experts from repetitive tasks and enables them to solve even highly complex development tasks

faster and more effectively. The platform integrates seamlessly with existing CAx tools and processes, increasing scalability.

The focus is on automating engineering workflows and connecting previously siloed software solutions. AI agents leverage these workflows and can be combined into collaborative multi-agent systems to extend the engineering team into a digital workforce.

Synera's customers include Volkswagen, EDAG, Brose, Stihl, Miele, Airbus and NASA.

Contact Synera

Dr. Moritz Maier

Co-Founder & Co-CEO, Synera

moritz.maier@synera.io

+49 176 43879697