

Guest Lecture by Klaus Space Transportation GmbH

The guest lecture by **Sebastian Klaus** from **KLAUS Space Transportation GmbH** on Tuesday, November 29, 2022, provided a pleasant change of pace. His start-up works in the field of space transportation with the aim of creating environmentally friendly solutions. In addition to modern technologies and innovative ideas, he also showed the audience numerous opportunities that come with space missions.



CEO Sebastian Klaus is an aerospace engineer with 14 years of leadership and flight experience in the military. His great passion for space drove him to develop his skills and gain knowledge in rocketry. Eventually, he researched the transportation of space cargo to Earth for his bachelor's thesis. However, his interests focus on Earth rather than other planets. This involves the question of how space transportation can be made more sustainable in order to solve three main current problems: the waste left behind by rockets in space, the emissions caused by rockets, and the cargo brought back from space.

With this in mind, Sebastian Klaus prepared thoroughly and early on before founding his startup. General business knowledge was provided by his MBA studies, while relevant technologies had already been developed and patented in Germany since 2019. After that, the team was assembled with talented and qualified members and together they convinced investors for financial support. They also partnered with startup vendors, legal advisors, and various suppliers, to name a few. As a result, inflatable atmospheric decelerators (IADs) have been developed and built. For their own resources, they are building their own production, logistics, and most importantly, intellectual property.

Once KLAUS Space transportation's IADs technology is launched, countless new opportunities for innovation and markets will emerge from space. This fact fascinated the audience and showed a new facet of space missions.

At the end, students had the opportunity to have lunch with Sebastian and continue the conversation.

Thank you for this mind-bending guest lecture, Sebastian!

