



Lionel Gury, Switzerland, Graduated 2015

Job title/activity: Mechanical Engineer, Airbus Defence and Space

I joined the Aerospace Engineering Programme at the FHWN in 2013, I chose this programme because I believe it offers the right balance between theoretical lectures and hands on projects.

The curriculum is really well structured with experienced lecturers coming from an industrial and academic background. Thanks to the limited number of students, the atmosphere is very friendly and allows a degree of interaction, personal feedback, support and guidance from the expert staff of the programme that cannot be found in other universities.

During the programme, the students can take part in several projects, such as the design and launch of sounding rockets, unmanned aerial vehicle research, or a Cubesat project.

I joined the Cubesat team and participated in a wide range of activities such as thermal design, testing and build of the satellite.

Thanks to the help from the academic team, I could complete my Master's thesis at the German Aerospace Centre (DLR) working on Space Propulsion. It was a really exciting experience to work with some of the world's most brilliant minds in the field of space propulsion in a rocket engine testing facility that is unique in Europe.

In fact, I enjoyed so much my time at the FHWN that, after the completion of my master, I joined the FHWN staff to complete the design of the PEGASUS Cubesat. PEGASUS was launched in 2017 and is now collecting scientific data in the ionosphere!

Afterwards, I joined Airbus Defence and Space in the United Kingdom, one of the European leaders for satellites and space missions.

My main tasks have been, including coordinating the mechanical design, structural analysis and mechanical testing of satellites systems. More recently, I have been involved on two major European space missions: Solar Orbiter dedicated to improve our understanding of the Sun and the ExoMars Rover that will explore Mars and search for life on the Red Planet.