AETHER

Design, build and Launch of a Re-entry CubeSat

Function:

Embedded Electronics Engineer

Three open vacancies

Aether's project

The Aether Student CubeSat team brings together young Belgian engineers who are passionate about space technology. We are designing a CubeSat: a nano-satellite small enough to hold in your hand. In the past decade, the CubeSat standard has enabled countless new innovations in the space industry, and we are determined to uphold this tradition! Aether is focusing on the area of re-entry: creating the technology that will allow future CubeSats to safely re-enter the atmosphere and land on Earth after carrying out their experiments in orbit. This will allow scientists to analyze samples and get even more results out of their experiments, and all this with the affordability and accessibility that come with the CubeSat platform!

Function description

As an Embedded Electronics Engineer, you will be responsible for designing and prototyping the inflation system that ensures a controlled descent and landing of our re-entry CubeSat. You will develop and implement the electronics and the software for the inflation system and sensor integration, ensuring reliable performance under extreme space and re-entry conditions. In addition to the inflation system, you will handle data processing, ensuring accurate sensor readings and efficient onboard data management. Your expertise in PCB design, schematic development, sensor implementation, and embedded software will be crucial to the mission's success. Working closely with the mechanical team, you will ensure seamless integration of the electronics and software into the overall spacecraft architecture.

What do you gain?

- A unique engineering experience within an exciting space mission.
- Create added value for your CV and the team.
- Improve your (soft) skills on many aspects.
- Be part of the team that will revolutionize the CubeSat platform.
- Connection to a wide network of aerospace companies.

Profile

- Minimum bachelor's degree.
- Experience with PCB design.
- Knowledge about sensors.
- Motivated team player.

aetherspace.be

Get in Touch

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