



Design, build and Launch of a Re-entry CubeSat

Function: Energy Engineer

One open vacancy

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 Energy Engineer, you will be responsible for the selection, configuration, and optimization of our spacecraft's energy systems. Your focus will include choosing and integrating high-efficiency solar panels, robust energy distribution networks, advanced battery systems, and effective thermal energy management strategies. You will collaborate closely with multidisciplinary teams to ensure that our energy solutions meet the rigorous demands of aerospace applications and support overall system performance.

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.
- 🔗 Experience with designing electronic diagrams.
- 🔗 Knowledge of implementing energy systems.
- 🔗 Motivated team player.
- 🔗 Analytical and problem-solving.

BONUS

- 🔗 Experience with heat management.
- 🔗 Experience with Simulink.



aetherspace.be

Get in Touch



@AetherSpace

✉ info@aetherspace.be

📍 Andreas Vesaliusstraat
13, Leuven