



# WE'RE HIRING!

→ Power Electronics [Engineer]



## OPEN POSITIONS:

- Firmware [Engineer]
- Test [Engineer]
- Senior Business [Developer]



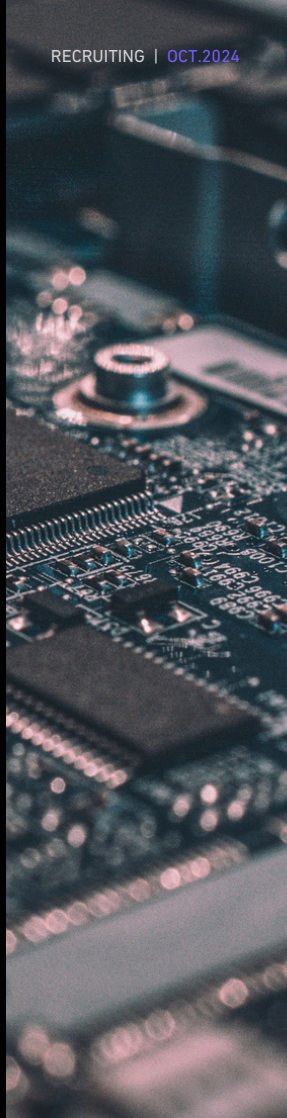
WE ARE LOOKING FOR:

## Power Electronics Engineer to join our team!

We're seeking a Power Electronics Engineer to be incorporated in the Electrical Engineering and Electronics team of our Electric Propulsion Department. You will work on the development of the high voltage power electronics for our ATHENA Nano and Pico thrusters.

You will play a key role in the development and enhancement of a quasi-resonant Flyback converter with symmetric high-voltage outputs.

Join our dedicated team as we work to refine this high-voltage converter into a robust, mature, and fully space-qualified device.





## Key responsibilities

- Design & Simulation: utilize advanced design and simulation tools for power electronics.
- Component selection: identify and select appropriate components for optimal performance and reliability.
- PCB design: responsible for PCB layout and routing to meet design specifications.
- Thermal management: conduct thermal calculations and simulations to ensure efficient thermal performance.
- Understanding parasitics: demonstrate a thorough understanding of parasitic elements and non-schematic components affecting performance.
- Testing setup: design, plan, and execute complex in-house thermal pre-qualification and EMC pre-compliance test setups.
- Documentation and reporting: produce comprehensive documentation and reports to track project progress and maintain clear communication within the team.

## Your team

You will be part of our **Electrical Engineering and Electronics team**, which is part of our Electric Propulsion department. This team is in charge of designing, testing, manufacturing and has the mission of continuous improvement of the electronic devices that enable thruster operation.

## Qualifications & skills



### MUST HAVE:

- Preferred: Master's degree in Power Electronics Engineering, or another degree with a strong focus on electronics development.
- 4-7 years of experience in developing power electronics.
- Spoken and written professional proficiency in English.
- Fast learner, 'hands-on', autonomous, team player, project leader and proactive.



### NICE TO HAVE:

- Experience in developing electronics for space applications.
- Experience with ECSS or NASA standards for electronics
- Experience in environmental testing (of electronics) for space applications.
- Experience working in automotive.
- Experience in FMECA analysis.

## Benefits & perks

- **Schedule:** we know that everyone works at their own pace, so you are free to organise your day in the way that works best for you. Whether it's making the most of your mornings or having more time in the afternoons, this flexibility will help you better balance your work and personal life.
- A **full-time contract** of 40h per week.
- **Work from home:** we value contact with each other and sharing experiences, learning and knowledge. But we also know that the key to a successful team is flexibility and balance. That's why we have a hybrid working model that allows you to work from home up to 9 days a month.
- **Holidays:** We all know that we need to rest and recharge our batteries in order to give our best every day. That's why, as addition to the 23 days of holiday, we're offering you an extra 6 days of holiday over the Christmas period (from 24 December to 2 January, both included).
- **Health insurance:** your health is important to us, which is why we offer you free private health insurance through Alan.
- A dynamic environment and a motivated team committed to a unique and fast-growing project.
- Responsibility and autonomy.



Interested candidates contact us at  
[careers@ienai.space](mailto:careers@ienai.space) with

**[APPLICATION POWER ELECTRONICS ENGINEER]** in the  
subject.