



**POSITION : Space Systems Engineer**

**DETAILS**

**Position type :** full-time/CDI

**Starting :** September 2018

**Salary :** depending on experience

**Location :** South of Paris



**ABOUT EXOTRAIL**

Exotrail is a French start-up based in Ecole polytechnique in France. We are part of the *New Space* global movement that is disrupting the space industry. In the past 10 years, the cost of access to space has been divided by 1000. Private companies are investing billions of dollars to develop constellations of small satellites to deliver Internet everywhere, IoT communication or very high revisit rate Earth observation services.

Our vision at Exotrail is to help building an agile space. We are developing propulsion and operation technologies for these small satellites. Our small propulsion system is the smallest Hall Effect Thruster in the world. Thanks to our electric propulsion system and our unique operation software, small satellites can change their orbit after launch. With this new agility, they increase their performance while lowering their costs.

We believe that this is only the beginning and that small satellites equipped with propulsion will be able to deliver new space services to entirely disrupt the space industry by being able to service, repair, assemble and manufacture spacecrafts directly in orbit. Join us and be part of our great ambition !



**JOB DESCRIPTION**

- You will work on our nano and micro thruster product development to reach both market performances and cost objectives.
- You will be involved on all thruster subsystems: mechanical and thermal parts, fluidic system, electronics, thruster plasma chamber and cathode. For each of them, you will evaluate different technologies and suppliers, with a permanent trade-off to be done between COTS vs. space products.
- Your work will be closely linked with other Exotrail engineers (mechanical and thermal, electrical, AIT/AIV, test ...) and you will guarantee that the development of one subsystem does not interfere with others.
- You will be responsible for all hardware procurements and all Exotrail product budgets (mass, volume, power, data, cleanliness ...).
- You will report directly to the Chief Technology Officer.

**PROFILE**

- You must have an engineering background with a strong experience in satellite system engineering, aerospace engineering. A background in space payloads development is certainly a plus.
- You should have very good soft and presentation skills (presentations, technical documentation, assumptions, oral presentation). You need to be able to work with a great autonomy. You must have a full proficiency in English or French (both is a plus). You must have very good analysis skills and work efficiently.
- You should be passionate with space and entrepreneurship and be ready to work in a very demanding, evolving and challenging environment – and be ready to propose suggestions and be proactive!

**CONTACT**

Send an email at [careers@exotrail.com](mailto:careers@exotrail.com) with a CV and a cover letter

