



## Space-oriented startup is looking for talents

### JOB OVERVIEW

**Position:** R&D fluidics Engineer

**Education:** Master or PhD

**Contract:** 12 mnt contract, with possibility for permanent position

**Salary:** from 2500€/month brut, negotiable

**Place:** Ecole Polytechnique, Palaiseau

New Space is the future of Internet, Big Data and global intelligence. A number of constellations of SmallSats are planned in the near future but lack efficient and low complex miniature propulsion systems.

At ThrustMe we have understood the importance to provide full orbit control of small satellites, and we develop and commercialize a breakthrough electric propulsion system ideal for these constellations. We provide several solutions from plug-and-play propulsion systems to high-end tailored products.

ThrustMe is a dynamic startup emerging from one of the research centers at the École polytechnique and we are now looking for curious, creative and motivated people who have a passion for developing possibilities into products.

**Be a part of the ThrustMe team and allow the new space revolution to take off**

## R&D fluidics Engineer

**Job description:** As part of the R&D team, you'll be responsible for the hands-on design, development, and testing of the fluid systems for electric propulsion where solid iodine is used as propellant. This includes participation in the entire design cycle of fluid systems: system architecture definition, analysis of feasibility, integration and failure risks, modeling, test and mission support.

### Job activities:

- Design and modeling of iodine storage and flow system, including pressure, temperature and flow regulation
- Experimental testing
- Corrosion tests and development of corrosion mitigation procedures
- Participation in space qualification procedure

### Qualifications must have:

- Master or PhD in fluid mechanics or similar
- Good knowledge in physics of heat conduction
- Understanding of phase transitions including sublimation
- Basic knowledge in material science or chemistry
- Ability to work in project mode and meet tight deadlines

### Qualification good to have:

- Experience solving a variety of complex problems using a combination of analysis and hands-on laboratory testing
- Experience to work with standards (ECSS) and qualification tests (vibration, radiation etc.)

### Soft skills:

- Appreciate team work
- Passionate, curious and open minded
- Good level both in English and French, to work smoothly in an international team