



CENTRE PROCÉDÉS, ENERGIES RENOUVELABLES ET SYSTEMES ENERGETIQUES (PERSEE)

The PERSEE Center is based in Sophia Antipolis, France. It is one of the 18 Research Centers of [MINES ParisTech](#) and one of the 4 centers in the School's [Energy and Process Department](#).

Research is focused on new energy technologies and renewable energies, with three global themes.

The "**Thermochemistry and Plasma**" group is looking for a **Research Engineer** with solid mechanical skills.

JOB DESCRIPTION AND RESPONSIBILITIES

The research engineer will be responsible for the "Plasma" experimental platform at the PERSEE Center of / MINES-ParisTech.

The research engineer will work in close collaboration with other scientists and staff of the Plasma group in all stages of the research (conception, development of specifications, design and implementation of equipment, planning and executing experimental work, participation in trials, meetings, relations with industrial or institutional partners, reporting, etc.)

The research engineer will be responsible for working with and managing of technical staff. He will be responsible for organizing the schedules and monitoring the work. The research engineer may have to take part directly in certain very technical manual activities.

Responsibilities include, but are not limited to:

- Ability to manage all ongoing research projects using a single experimental platform
- Organization of work and supervision of technical staff
- Logistical organization and the conduct of all experiments
- Management of equipment, tools, inventory, gas supply and various consumable materials
- Management and follow-up of orders
- Maintenance operations
- Security of the plasma platform

REQUIRED SKILLS

This position requires both excellent communication and teamworking skills, as well as a high level of technical skills. It will require strong skills in the following areas:

- In-depth knowledge of Solidworks software is essential
- In-depth knowledge of heat transfer
- In-depth knowledge in the field of materials science (especially high temperatures)
- Field knowledge of common machining and assembly techniques: turning, milling, welding, soldering, etc.
- Up to date knowledge of office automation tools (Word, Excel, etc.)
- (Very) good written and oral English skills (> B2)

Knowledge in the following areas is desired:

- electrical engineering and power electronics
- control / command and automation with a mastery of programming and development using LabView

LOCATION

The position is based in Sophia Antipolis (06 904))

CONTRACT TYPE AND START DATE

CDI from January 1, 2021

COMPENSATION

Send CV and cover letter, only by email

APPLICATION

Send CV and cover letter by email to:

laurent.fulcheri@mines-paristech.fr

vandad-julien.rohani@mines-paristech.fr

frederic.fabry@mines-paristech.fr