ARCSPACE

Sustainable & Performant Space Infrastructure

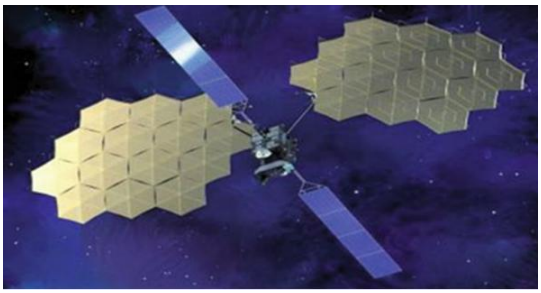
Space welding unit development and testing
4 to 6 months internship, Paris/Ile-de-France

Internship start date: January or February 2027

Contact person: Contact@arc-space.com, +33-6-45-33-21-60

About ArcSpace:

ArcSpace provides subsystems for in-space servicing, assembly and manufacturing applications. The company's first solution is a proprietary robotic joining and cutting tool and process; the capabilities it provides to act in space are key to cost-effective space infrastructure and the growth of the Space economy, while solving existing market needs for in-orbit servicing. Through incremental growth, ArcSpace will expand its solutions to ambitious projects such as space-based solar power, lunar infrastructure and in-space manufacturing.

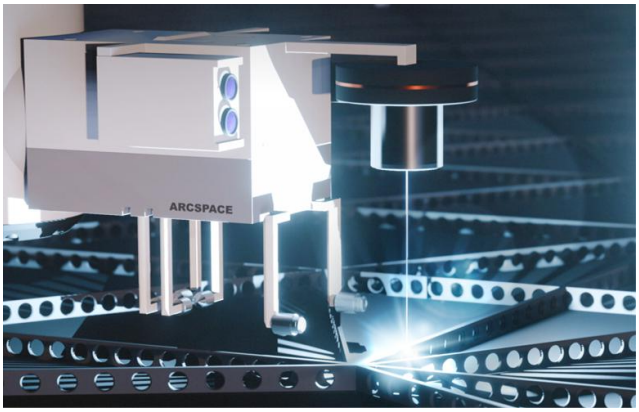


Mission:

As part of a dynamic and ambitions startup team and in collaboration with space EU stakeholders, you are a passionate and can-do collaborator who will support the design maturation of our in-orbit assembly subsystems, focusing on the development of a robotic welding unit for use in space. You will actively take part in the TRL6 lab-scale prototype test campaign of a new electron beam gun design (gun performance, advanced vacuum welding tests) and suggest design improvements based on experimental results and simulations (thermal, electrostatic) which you will work on. Depending on your profile, you will also have the opportunity to assist ArcSpace's space systems engineers in maturing the company's product through tradeoff analyses and preparing Design Reviews with CNES, ESA and space EU stakeholders. Your mission will be for a duration of 4 to 6 months, through an internship program. This position is based in Paris-Saclay.

Profile:

Experience on personal projects running troubleshooting/diagnostics and fixes on electro-mechanical equipment is valued. Knowledge of mechanical and electrical hardware required, as well as CAD/simulation tools (Solidworks, Comsol). Hands-on, curious and first-principles critical thinking values. Result-driven, hard-working but also respectful and likes to work/collaborate in international teams.



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Why work at ArcSpace:

- Company values: Fairness – Efficiency – Teamwork – Excellence.
- Significant and visible personal contribution to the growth of in-space servicing solutions.
- Work within the Paris-Saclay campus-cluster, the leading R&D center in France.
- Autonomy in work and diversity of tasks.
- One day of teleworking per week, flexible hours.