



SPACEPORT OPERATION MANAGER

Details of the offer

Internal reference: E014_EN

Type of contract : Full-time

Location: Massy (Paris area), frequent travels in France, Europe and French Guiana

Publication date : 02/01/2024

Contact : contact@spacedreams.com

SpaceDreamS

As spaceport architect, Spacedreams develops turnkey solutions and services for small launchers and launch bases.

The main concepts are: the NuPad, a modular multi-launch mobile launch pad; and the TwinPad, the first digital twin of an interoperable launch system. Based on these concepts, Spacedreams develops innovative solutions for its customers.

The NuPad is the world's first modular, multi-launcher mobile launch base. Different modules integrate services dedicated to launchers: fluid, electrical and mechanical. These modules are assembled and configured according to mission or customer requirements.

The TwinPad is the digital twin of the ground launch system. It enables virtual commissioning and software development for launch vehicle and launch pad implementation, as well as simulation of cryogenic fluid, electrical and mechanical processes. The TwinPad can be used to virtually design and qualify the means and implementations of different launchers on different launch pads and offer an anticipated user experience as close to the real thing as possible.

SpaceDreamS studies and develops ground facilities for several mini and micro launchers, as well as for major institutions. Spacedreams is the winner of several BPI calls for projects, and of the European Commission's EuBEST project, aimed at developing the first modular multi-engine test bench at industrial rate.

The team

You'll be joining a small, multidisciplinary team of mainly technical experts based in Massy and Toulouse.

We attach great importance to cordiality, solidarity, passion, responsiveness, and resourcefulness.

We speak and write in French and English.

Job description

You will be the operations manager for the launch systems and test benches we develop in-house and for customers.

Your role is to:

- Specify the operational product: implementation specifications, automatic procedures, user interfaces, etc.
- Monitor the development of these products
- Validate these products with TwinPad (virtual qualification)
- Participate in technical qualification tests
- Manage operational qualification and testing
 - Either as test prime contractor
 - Or as support for certain customers
- As part of TwinPad development:
 - Participate in the specification and validation of the tools that will enable you to fulfil your role as "Virtual Launch Operations Manager".
 - Elaborate different use cases by putting yourself in the customer's shoes
 - Validate virtual timelines
- You will draw up the on-site test plan and manage the resources in charge of technical and operational qualification testing.

Experience and skills

You are a generalist engineer or specialized in industrial engineering, process control or industrial IT.

You have significant experience in defining and qualifying the implementation of critical systems, with a strong operational safety component, particularly the use of cryogenic propellants.

You are rigorous and precise. You can structure your thoughts, have good writing skills, and know how to communicate your ideas. You can gather requirements from several experts or help them express them, and provide effective, easy-to-use solutions and methods. You know how to challenge yourself. You have an operational vision that combines pragmatism and boldness.

You can push forward an R&D project, at both technical and human levels.

The following points are considered favourably:

- Experience in the field of launchers
- Experience in conducting tests and managing test teams
- Experience in Industry 4.0 and PLM
- Experience in simulation and digital twins
- Fluency in French

We offer

In addition to outstanding professional experience, we offer :

- Compensation commensurate with your skills and the key position you will hold within the company
- Social benefits
- Effective and simple health insurance
- Possibility of working from home
- An opportunity to participate in the company's capital
- Bonuses based on the achievement of objectives

Interested?

Send your CV and cover letter to: contact@spacedreams.com

We will contact you.