



# Launch Complex Expert

## Electrical Systems

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### Details of the offer

Type of contract : Full-time

Location: Massy, travels in France, Europe and French Guiana

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Contact : [contact@spacedreams.com](mailto:contact@spacedreams.com)

### SpaceDreamS

SpaceDreamS aims to become the first company to develop and operate spaceports and launch complexes. It is currently the only private company in Europe aiming at this goal.

Our central concept is interoperability: a launcher should not be a captive customer of a spaceport, and vice versa. We have two main areas of work: on the launcher side, we are developing the *nupad* (Next-generation Universal Pad), a unique solution that allows several launchers or launcher elements to be used at several different locations and in several life phases; and on the launch base side, we are developing a catalog of services for the *spaceport of the future*, with a radically different vision of the services offered by current spaceports.

The first element of the *nupad* under development is the LoxBBox, which is a self-contained liquid oxygen refueling system suitable for multiple launch vehicles. The LOXBOX can also be used during the ground test and qualification phases of equipment such as tanks or rocket engines. We have already convinced several partners to integrate the LOXBOX into their technology roadmaps. Other boxes are under study, with each time an integrated and modular vision of end-to-end service.

SpaceDreamS is also conducting preliminary development studies of ground means for several mini and micro launchers.

### Job Description

You will hold a central role in the technical direction of SpaceDreamS activities.

In particular, you will coordinate the development activities of the *nupad* project for the electrical and radio frequency aspects: operational concepts, control logic, ground/board electrical interfaces and all associated constraints, in particular EMC, ground implementations, ground hardware type EGSE and power supplies, electrical and operational interfaces with the launch base, interfaces between the payloads and the launcher, the ground resources and the launch base, tooling and support systems. You will define all services related to electrical implementations and propose generic and mobile turnkey solutions ("boxes"). These solutions can be used and implemented at the customer's site or on the launch pad. You will be in charge of the compliance of our developments and the local regulation.

You are responsible for all studies in this field conducted on behalf of clients.

You rely on the company's internal skills and external collaborations that you coordinate to achieve the objectives that you set with the company's management.

### Experience and skills

You have extensive experience in the field of launch vehicle ground segments and launch vehicle operations, particularly in the electrical and radio frequency fields.

You have a sharp system vision.

You are used to conducting iterative developments, sometimes starting from scratch.

You have demonstrated technical skills in the following areas: specification, design and implementation of electrical and RF ground/board functions, electromagnetic compatibility, control systems, wiring, electrical models, control logic and configuration management.

You have proven experience in business management from specification to technical qualification.

You can structure and organize a project and instil this vision in teams and partners.

You can gather the needs of several different clients or help them express them and provide generic solutions.

Plus:

- Knowledge of the Guiana Space Center, in particular the applicable regulations and the interfaces between the launch service provider and the launch base

- Fluency in English

### We offer

Compensation commensurate with your skills and the key position you will hold within the company

Extra-legal 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

A good working atmosphere

### Interested?

Send your CV and cover letter to: [contact@spacedreams.com](mailto:contact@spacedreams.com)

We will contact you