

GNC engineer (M/F)

Description of the company:

Venture Orbital Systems is a young start-up in the aerospace sector whose main activity lies in the development of an orbital nano-launcher dedicated to CubeSats operators named Zephyr.

Job Description:

As part of the company's "avionics" team, you will guarantee the performance of the navigation, guidance, and control systems as well as their functional and physical integration. To carry out this mission, you will oversee the following activities:

- Control the configuration of the systems,
- Guarantee the performance of the systems by technically defining them, specifying the materials to be supplied and the tests to be conducted,
- Ensure justification of system design,
- Ensure integration into the launcher,
- Carry out dimensioning studies of the components of the flight control chain (sensors, actuators, computer),
- Carry out design studies of flight control algorithms (analysis of piloting strategies, verification of the feasibility of a mission with respect to this strategy, algorithmic design),
- In technical support of the Purchasing function, take part in the preparation and negotiation of contracts,
- Control partners and subcontracting on the defined systems.

Basic Qualifications:

Bachelor's degree in physics or an engineering discipline.

You have knowledge of automation and associate software (MATLAB/Simulink or equivalent)

You master one or more computing languages and can be quickly operational on languages such as ADA, C++ or Java.

You have a culture on the space domain and basic knowledge in space mechanics.

Preferred Skills and E:

With a master's degree, you have at least 5 years of experience in GNC in the space industry.

Further Informations :

Location: 8 Allée du vignoble, Reims, 51100

Start Date: Beginning 2021

Contact: augustin.coudray@venture-orbital.com