CENTRE SPATIAL UNIVERSITAIRE DE MONTPELLIER

Space System Engineer

Job Offer

Context

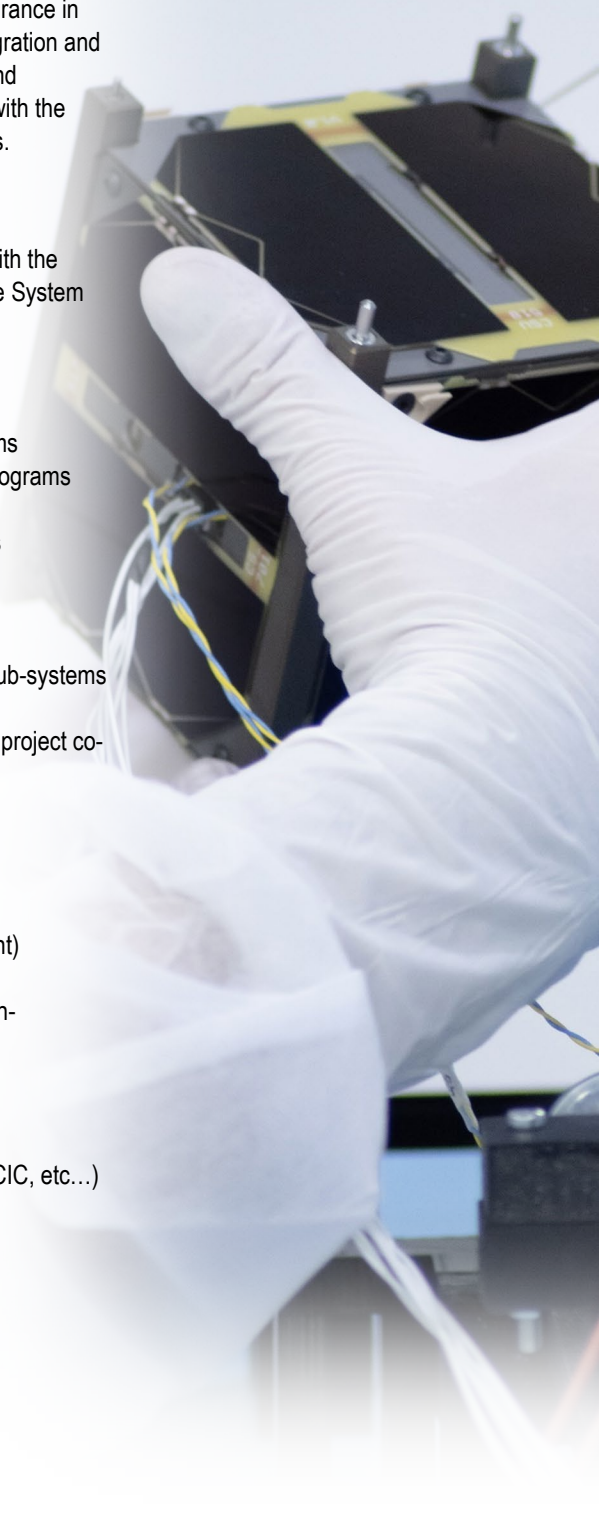
The University Space Center of Montpellier (CSUM) is the French leader in the development and operation of nanosatellites developed by students. It has acquired in-depth competences in the field of design, manufacturing, testing and operation of nanosatellites and their subsystems, as well as in the area of space project management and product assurance in the framework of university space projects. The CSUM has an AIT (Assembly Integration and Test) Facility, a CDF (Concurrent Design Facility) and both UHF and S-band Ground Stations. The CSUM develops its own 1U to 12U Cubesat nanosatellite platforms with the support of the Van Allen Foundation and the French and European space agencies.

Main mission

The candidate will join the Nanosatellites' Missions Division of the CSUM to help with the development, production and verification of the satellites. The candidate will ensure System Engineering of several CubeSat projects, from 1U to 12U CubeSat platforms.

Activities

- Writing technical requirements for design and production of space systems
- Participate to mission analysis and sizing of nanosatellite projects and programs
- Coordinate and track AIT/AIV activities of the nanosatellites
- Elaborate and write qualification, calibration and test plans or procedures
- Coordinate activities related to in-orbit operations of satellites
- Analyze data collected during tests phases and flight operations
- Organize and participate to projects and satellite reviews
- Handle and manage interfaces in the space system with the support of sub-systems specialists and developers
- Provide education and to students in the space domain, through satellite project co-management, and internships



Skills & qualifications

Main ones

- Diploma in space engineering (Engineering school, Master 2 or equivalent)
- Knowledge in space standards ECSS, CNES GNS, …
- Quality and Product assurance processes knowledge, anomalies and non-conformance management

Plus ones

- Experience with CubeSat and nanosatellite domain
- Software for mission analysis and concurrent design (GMAT, STK, IDM CIC, etc…)
- Software for conception and analysis (Solidworks, Thermica, Esatan, …)

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What can we offer?

Dynamic and challenging environment. Participating to the whole lifetime of a nanosatellite's project, from design to operations. Fully equipped facilities (Mission Control Center, UHF ground segment, S-band ground segment, ISO 8 cleanroom facility, TVAC chamber, 58kN Shaker, workshops)

Salary: 2130 € to 2645 € gross monthly

Holidays: 10 to 11 weeks per year

How to apply?

We accept young graduate

Send your resume and cover letter:

https://umemplois.umontpellier.fr/poste/2023-R0256