

# INTERNSHIP OFFER

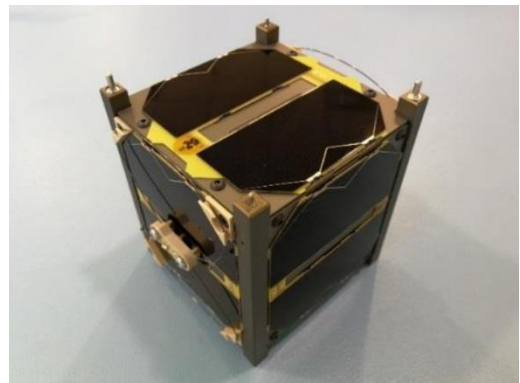
## Particulate contamination analysis

### 1 UNIVERSITY SPACE CENTER OF MONTPELLIER

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 and 3U CubeSat nanosatellite platforms with the support of the Van Allen Foundation and both the French and the European space agencies.

### 2 INTERNSHIP DESCRIPTION

Description of the tasks: As part of this project, the trainee will investigate the suitability of ultrasonic cleaning on mechanical and electronic components for CubeSats. For that, the student will have to carry out an analysis (before / after) of the particulate contamination and chemical level ISO8 (clean room). The purpose of this internship is to identify the efficiency but also the possible risks / drifts of this cleaning method for the component itself and for the clean room.



Skills/Languages: Knowledge about particulate contamination in the clean room, English language, Excel & Word (or equivalent).

Level: IUT / degree

Location: University of Montpellier - University Space Center- Campus St Priest.

Preferred starting date: October / November

Duration: 3 months

Supervisor, Function at CSUM: Sébastien HESSE - Assistant Engineer

### 3 CONTACT

Please upload your application at: <https://csu.edu.umontpellier.fr/en/job-offers-internship/>