



INTERNSHIP 2023

Design and manufacturing of a hydrogen-powered UAS

Avions Mauboussin

Avions Mauboussin design the next generation of clean, hydrogen-powered silent ultra-short take-off and landing aircraft (HSTOL). Alérion M1h: light tandem two-seater & Alcyon M3c: hybrid regional multi-engine six-seater. And also, professional Unmanned Airborne Systems (UAS), or drones.

Job description

In our office located in Belfort, you will assist the engineering team by the design of a hydrogen-powered UAS. The purpose of this drone is to demonstrate the performance (payload, range, speed, endurance) of H2 propulsion for drones. Your main tasks are:

1. Analysis of the mission and targeted flying qualities of the drone;
 2. Design of a modular drone;
 3. Manufacturing of the structure and integration of the propulsion and control system;
 4. Integration of the sensor and remote command system ;
 5. Support to the pilot during the flight tests;
-

Skills and qualifications

You are in final year of an engineering school, in 2nd year of Master or in a gap year. You have experience in 3D modelling with 3DExperience) or similar software. You have experience on product design. Experience and knowledge in RC models or UAS construction would be a plus. You are autonomous and show a strong interest for aeronautics. A pilot license or an experience in amateur aircraft building is appreciated.

Location and duration

From March 2023, 5-6 months.

Located in Belfort, Bourgogne-Franche-Comté, France.

How to apply ?

Send your resume and cover letter written in French or English to:

David Gallezot - david.gallezot@avionsmauboussin.fr - +33 (0) 607 883 011
