



INTERNSHIP S2 2021 –Flight controls and landing gears design optimization for a hybrid two-seater STOL aircraft

Avions Mauboussin

Creator of the Corsaire and the Fouga Magister, Pierre Mauboussin represented the spirit of French innovation which is now rising to the challenge of tomorrow's sustainable mobility. Reviving this mythical brand, David Gallezot and his teams are building on his heritage to design the next generation of clean, silent ultra-short takeoff and landing aircraft. Alérion M1h: light tandem two-seater Alcyon M3c: hybrid regional multi-engine six-seater.

Job description

In our office located in Belfort, you will assist the structure engineer in the design of the flight controls and the landing gears of the Alerion M1h. Your main tasks are :

1. Perform preliminary design of the landing gears
2. Finalize flight controls cinematics
3. FEA optimization
2. Assist in manufacturing of a test bench for flight controls

Skills and qualifications

You are in final year of an engineering school, in 2nd year of Master or in a gap year with a specialization related to aeronautical structures. You are familiar with 3Dexperience, Catia/Abaqus or similar CAD/FEM software. 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 October 2021, 5-6 months internship.

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

How to apply ?

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

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