

INTERNSHIP - Positive Aviation - Development of an automated GFEM generation, verification and validation method

6 months internship. Function: Structure Analysis Engineer. Location: Rue Gabriel Clerc, 31700 Blagnac, France. Teleworking not authorized. Required level of study: Master, MSc or Grande Ecole Program.

The FF72 is a firefighter scooper aircraft derived from the ATR 72, designed and manufactured in France, capable of meeting the need to replace the Canadair fleet from 2028 with a modern aircraft and improved performance.

The FF72-X1 project aims at developing the know-how and skills of a seaplane design office in France, through the manufacturing and flight testing of an ATR 72 demonstrator on floats.

The intern will participate in enriching the knowledge base of the Positive Aviation design office on the automated generation of GFEM.

- Develop a method to generate a complete Global FEM starting from the master geometry
- Given a fixed verification method, generate a process to verify the model automatically. Generating a verification report as well as the files required for the verification
- Propose a method to validate the GFEM by comparing the results to analytical methods or test results.

Feeling inspired and wanting to apply, send your CV and motivation letter to guillermo.munoz-sanchez@positive-aviation.com, and we get back to you shortly.