

INTERNSHIP - Positive Aviation - Study of the hull shape of floatplanes

4 to 6 months internship. Function: Industrial Engineering & Design. Start date: April 2025. 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 hull shape of floats by:

- Writing a state of the art of the hull shape of floatplanes.
- Studying the evolution of boat hulls over the past ~50 years.
- Writing a summary of the lessons learnt and recommendations related in particular to the risks of porpoising, etc.
- Proposing a scientific approach based on modeling, simulation and/or testing to optimize the characteristics of the FF72.

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