

# **INTERNSHIP - Positive Aviation - Study of the handling qualities of a twin-turboprop floatplane**

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 some handling qualities of a twin-turboprop float plane by:

- Writing a state of the art on the aerodynamic interactions between the floats and the surfaces of the aircraft (propellers, horizontal and vertical planes, etc.).
- Studying the configuration of the FF72 with regard to this state of the art.
- Proposing a scientific approach based on modeling, simulation and/or tests to characterize the FF72 with regards to these risks.

**Feeling inspired and wanting to apply, send your CV and motivation letter to [career@positive-aviation.com](mailto:career@positive-aviation.com), and we get back to you shortly.**