

Permanent Contract – Flight Dynamics and Control specialist

Mission

ALTRAN is recruiting a specialist in the field of aircraft flight dynamics for our Flight Physics Department, based at Toulouse. Our department works with all the major actors of the aeronautical industry in France.

Overseeing a team of 2–4 consultants, the flight dynamics specialist is the primary technical interface with the customer. He is directly involved in the production of deliverables and guarantees the quality of those produced by others. Displaying strong communication and relational skills, he trains junior consultants and provides support to senior project managers whenever necessary.

The Flight Dynamics specialist has a large scope of activities, which varies depending on customer needs. These include:

- Preliminary Overall Aircraft Design
- Development and tuning of Flight Dynamics and Aircraft Performance models
- Computation of Aircraft High Speed and Low Speed Performance
- Flight Controls sizing. Handling Qualities assessment
- Flight Test follow-up and assessment of real Aircraft Flight Dynamics and Performance based on Flight Test data
- Support to aircraft certification (subpart B – Flight)
- Analysis of in-service events in the aircraft fleet
- Aircraft Loads and structural dynamics analysis

Profile

Master of Engineering or PhD, with at least 3 years of experience in the field of Flight Dynamics and/or Flight Operations.

Skills in the following domains represent an asset:

- Project management
- EASA CS–25 regulation
- Control Theory
- Programming and software tools: C/C++, C#, Unix/Linux, Matlab/Simulink, JAVA, Python

- PPL Private Pilot Licence

The candidate should display good relationship skills, proactivity, rigor and above all motivation to work in a highly challenging environment.

Languages: English

French language is not mandatory for hiring. However, since the position is based at Toulouse, the candidate will need to achieve a good level in French during the first 2 years in the position.

Please submit your application to the following address:

patrice.tajan@altran.com

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