

As a worldwide technology leader solving critical issues, ALTRAN brings customers' ideas and projects to life and increases their performance, through technology and innovation. Created in 1982, ALTRAN has today more than 25000 employees worldwide, with a strong position in Aeronautics, Defence and Space area.

Altran Flight Physics team participates to some Flight Dynamics activities for Airbus in Toulouse area. To reinforce this team, Altran proposes a permanent contract in Flight Dynamics and Aircraft Performance:

Permanent Contract – Aircraft Performance – M/F

Mission

Within the Flight Physics team, you will deal with Aircraft Flight Dynamics and Aircraft Performance topics. Your main missions will be:

- To model Aircraft Performance
- To adjust aircraft models used for Aircraft Performance studies
- To study High Speed and Low Speed Aircraft Performance in simulation
- To develop on-board applications which aims at improving/optimizing operational Aircraft Performance
- To assess real Aircraft Performance based on Flight Test data
- Continuous improvement: To challenge current development and validation methods used for the development of these Performance Models. For example, increase/improve the use of existing Flight Test data

Profile

With an aeronautical engineering education, the candidate shall have the following skills:

- Advanced knowledge in Flight Dynamics, Aerodynamics modeling
- Good knowledge in TurboJet Aircraft Performance and Aircraft Performance modeling (Flight, engine, braking)
- Knowledge of JAR25/CS25
- The following would be an advantage:
 - Private pilot license and/or Piloting experience
 - Some knowledge on Flight Operations (ex. a 1st experience as an airline Flight Ops engineer)
 - Knowledge of OSMA, SIMPA, IFP, MISSION, OCTOPUS, P_SIMU, OGEMA tools and AP2633 norm
 - Some knowledge in Unix/Linux, Matlab/Simulink, coding (Python, ksh/bash, C, VBA)
 - Applied Mathematics and Optimization knowledge
- English language: professional level
- French language: level B2/C1 requirement
- Good communication skills /Autonomy / Rigor / Reactivity / Creativity
- Willingness to learn new skills / Self-development

Send your application to the following e-mail address:
patrice.tajan@altran.com