

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 23000 employees worldwide, with a strong position in Aeronautics, Defence and Space area.

Altran Flight Physics team participates to Aircraft Loads Calculation for a major aircraft manufacturer in Toulouse area. To reinforce this team, Altran proposes a permanent contract in Aircraft Loads:

## Permanent Contract – Aircraft Loads – M/F

### Mission

Within our Flight Physics team, you will deal with Aircraft Loads topics. Your main missions will be to:

- Calculate & analyses all external loads acting on the aircraft due to
  - manoeuvres,
  - flight in turbulence,
  - landing impact and ground-handling,
  - sustained engine imbalance
  - failure casesthrough modelling & simulation of aircraft aerodynamics, inertia, flexibility, landing gear, control systems, and flight mechanical behavior.
- Ensure that the aircraft is free of flutter phenomena through the entire operating envelope.

### Profile

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

- Autonomy/rigor/team player/creativity/Good communication skills
- Willingness to learn new skills, self-development, problem-solving orientation
- Advanced knowledge in Aircraft Loads and structural dynamics
- Good knowledge in Flight Mechanics and aerodynamics
- Knowledge in CS-25
- English language: professional level
- French language: level B2/C1 requirement
- Knowledge in Unix/linux, Matlab/Simulink, programming (Fortran, Python, ksh/bash, C, VBA) would be a plus
- Knowledge in PATRAN/NASTRAN (SOL 101, 103, 111, 112, 129) would be a plus

Send your application to the following email address:

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