

JOB OFFER NO 10.16

**"SYSTEM" ENGINEER
SYSTEMS DIVISION, PROGRAM DIRECTORATE**

The Arianespace Mission Analysis and Onboard Software Department, part of the Systems Division of the Program Directorate, has the following responsibilities:

- Preliminary mission analysis and feasibility analysis for trajectory, performance and flight mechanics aspects.
- Conducts final mission analyses carried out by EADS.
- Conducts production and acceptance testing of the Ariane 5 flight program, and approves flight readiness.
- Oversees coordination with flight safety team.
- Coordinates activities by the industrial architect on the Ariane 5 launcher electrical system during production.
- Acts as system technical authority during flight campaigns.
- Carries out (level 0) flight analysis concerning the flight program, trajectory, performance and flight mechanics.

1° ASSIGNMENT

Program Directorate, Systems Division, Mission Analysis and Onboard Software Department.

2° JOB DESCRIPTION

Reporting to the Department Manager, you will be in charge of activities mainly concerning trajectory, performance and flight production activities. Specific tasks include :

- carrying out feasibility studies and preliminary trajectory/ performance/visibility/fallout/injection precision studies for launchers in the Arianespace family (Ariane 5, Vega, Soyuz) and for Alliance partner launchers.
- feasibility studies and preliminary studies of the ballistic phases (determination of sequence, satellite separation studies, pollution, etc.) for all launchers in the Arianespace family: Ariane 5, Vega, Soyuz (at the Guiana Space Center),
- conducting Ariane 5 flight program production activities : participation to data reviews, test reviews preparation of the Ariane 5 program flight readiness, proposal of evolutions for future missions.
- carrying out Final mission analysis, and participation in launch campaigns as System Technical Authority.
- maintenance and implementation of the resources needed for these studies, including data, software, etc.
- participation in analysis of flight data.

3° CANDIDATE PROFILE

- Engineering degree or equivalent French or European university with skills in flight mechanics, space mechanics, propulsion, and information technology, simulations.
- 5 or 10 years of experience in the space industry.
- Ability to create and/or modify scientific software.
- Ability to deal with a number of different people from both inside the company and outside.
- Knowledge of industrial organization implemented for launchers development and operation.
- Ability to analyze technical data, make decisions and proposals.
- Technical meticulousness.
- Because of Arianespace's international scope of business, you must be comfortable working in both French and English.

4° PLACE OF WORK

Evry [(91) South suburb of Paris] with many business trips in French Guyana and abroad.

Should you be interested in this position, please send your application and resume to : ✉ ARIANESPACE – Human Resources Department – ref. DP 10.16 - Boulevard de l'Europe – BP n° 177, 91006 Evry-Courcouronnes Cedex or by mail to recrutement@arianespace.com