

## Internship – Flight Dynamics / Power Engineering

# SES<sup>▲</sup>

your satellite company

**Located in Luxembourg – Betzdorf**

**SES is the world's leader in global satellite communications providing first-class, worldwide broadcast and data communications.**

This is an exciting opportunity to share a project with the Power Engineering and Flight Dynamics teams in a fast-paced, growing organization within a dynamic industry, for a period of 2 to 4 months around spring / summer 2012. Based in Luxembourg, you will contribute to the validation and improvement of a software model allowing to size stationkeeping manoeuvres based on constraints imposed by the power subsystem.

### Responsibilities

- Review the background information on the existing software model.
- Gather power properties of various satellites from manufacturer documentation.
- Retrieve telemetry at various times of year, to gather a meaningful data set for a selection of different satellites.
- Compare the observed in-orbit performance to the model predictions, including adjustment of calibration parameters and/or development of a calibration strategy.
- If time allows, suggest model improvements.

### Experience / Qualifications

- Being an advanced student in physics, engineering or in a relevant technical area;
- Technical interest in satellites;
- Strong analytical and judgment skills;
- Ability to work in a very orderly fashion;
- Computer literate (Excel, MS PowerPoint);
- Work independently as well as in a team;
- Fluency in spoken and written English;
- EU-25 nationality or work permit

### Our offer

An interesting and challenging experience within a worldwide leading company in an international team. The internship is remunerated. SES disposes of superb sports facilities on site.

**If you wish to apply for this position, please submit your application (CV & cover letter in English) via our Career Center (link below or via [www.ses.com](http://www.ses.com)).**

**[https://jobs.ses.com/fe/tpl\\_Ses01.asp?newms=jj&id=48202&----JOB-PREVIEW-MODE----](https://jobs.ses.com/fe/tpl_Ses01.asp?newms=jj&id=48202&----JOB-PREVIEW-MODE----)**