

JOB DESCRIPTION

COMPANY	Southern Aerospace & Telecom Consulting (Satconsult)
POSITION	Satcom Systems Engineer
LOCATION	TBC (Western Europe)
START DATE	Within 2 to 3 months

MISSIONS AND ACTIVITIES

Description	<p>Satconsult, leading satellite engineering consultancy and member of Euroconsult Group, is looking for a talented Satcom Systems Engineer to join its fast-growing team in Toulouse.</p> <p>In this position, you will be responsible for performing technical studies for the optimisation of communication missions and system performance of future generation satellites and ground segment systems. These satellite and ground segment projects may include several development phases, such as regulatory studies, definition phase, procurement, production and operations. Depending on the allocated project, you may be involved in several stages including writing specifications, acceptance testing, implementation and commissioning.</p> <p>The technical studies will consider the trade-off between the highest performance and practical issues such as complexity, ease of implementation, development risk and implementation cost. You will also be able to appreciate the commercial and operational requirements. Thus, you will have a good awareness of the capabilities of current analogue and digital satellite payloads, end-to-end satcom infrastructure as well as satcom service provider platforms.</p> <p>You may be involved in the development of operational documentation data packages that will support end-to-end operations involving all instances of a satellite communications system.</p> <p>You will tackle the assigned technical problems using the most efficient means, including mathematical analysis, computer simulation and experimentation. You will be expected to maintain a high level of computer literacy and to exploit existing computer facilities to the full.</p>
--------------------	---



Responsibilities	<p>Conduct system analysis for dimensioning, specifying and assessing communication mission requirements/performance, including:</p> <ul style="list-style-type: none">• Orbital filings analysis• Link analysis for analogue and digital systems in operational scenarios including propagation impairment analysis• Communication mission performance assessment, including covering related parameters• Analysis to assess the impact of communication chain impairments, e.g. filtering, linearity, intermodulation etc.• Intersystem and intra-system interference• Network considerations for the assessment of system capacity and efficiency, and system cost assessment and cost trade-offs <p>Develop operational procedures enabling consistent and secure satellite communication transmissions to be conducted through:</p> <ul style="list-style-type: none">• The definition of planning and deployment processes• The definition of adequate monitoring strategies• The release of principles for interactions between the various parts of the systems• The development of principles for preventive and curative maintenance <p>Technical studies will be documented as internal technical reports. In addition, you will contribute, where necessary, to the preparation of formal technical documents (e.g. Contractual Technical Annexes).</p> <p>You must be able to work independently and contribute to working groups. You must also be capable of communicating and liaising with other groups outside the Engineering Department.</p>
Qualifications and Experience	<ul style="list-style-type: none">• Engineering or Master's degree, preferably in aerospace or telecommunications• At least five years of practical industry experience in a satellite communication field is ideal, but Satconsult will study all CVs• Experience in designing satellite payloads, ground segments, and associated equipment• Satellite communications expertise including satellite link budget analysis is an asset,• Experience with HTS Systems (C, Ku and Ka-bands) is an asset• Fluent in English• Strong technical, presentation, interpersonal, written and communication skills as the position will require day-to-day independent working with other engineers and Satconsult customers• Ability to travel often as you may have to perform periodic missions on related operations premises in the Middle East, Asia, etc.

To apply:

Please send your CV to madinabeitia@satconsult.eu