

## Telecommunications System Engineer

**Location:** The Netherlands, Noordwijk, ESA-ESTEC

**Deadline:** 23/04/2019

**Reference:** AVIQ-323083

**Contract duration:** Permanent Contract

Sapienza Consulting is recruiting a Telecommunications System Engineer to coordinate the activities required for setting-up future Institutional and European telecommunications Programmes/ Initiatives/Activities in the area optical communications (Intra-Satellite, Satellite connections between Satellites, Ground or Airborne) and applications/services as well as in the area of secure satcom for safety and security, research programs (H2020, Horizon Europe), partnership programmes. The activities notably include the support of preparatory activities, actions and implementation in cooperation with the relevant stakeholders (Industry, National Agencies, EU Institutions).

### Responsibilities:

- Supporting the Project preparation and implementation and managing industrial activities
- Provide support to the ScyLight Programme Manager/System Engineer/Technical Leads in coordinating ESA internal studies and preparing the associated documentation
- Support the ESA ScyLight Programme Manager/System Engineer/Technical Leads in monitoring activities related to the industrial activities, especially monitoring the coherent and cost-effective implementation of requirements from system level down to the lower sub-system level
- Participation in Agency Reviews, notably supporting the ScyLight Programme Manager/System Engineer/Technical Leads in organizing the Phase A/B System Requirements Review and Preliminary Design Review as well as lower level technical reviews in the relevant field of interest
- Supporting the definition of technology activities or additional technical studies in preparation of the next Phase of the Programme in the appropriate areas of competence
- Assessment of new concepts and techniques to be applied to next generation telecommunication systems for both space and ground segment
- Assessment of new concepts and techniques to be applied to next generation mobile communication systems for both space and ground segment
- Preparation of inputs to status reports

Regular reporting of progress to the ESA System Engineer and the ScyLight Programme Manager. In the execution of the tasks, the Telecommunication Systems Engineer will liaise closely and proactively with the rest of the Programme team as well as with other colleagues within the Telecommunications Technologies, Products and Services Department

In particular as support to the ScyLight Programme Manager the tasks will include:

- Support to preparatory activities in the course of defining and setting up new programme elements and the related programmatic frameworks
- Support in the creation of information packages to Decision Makers and industrial partners
- Support in the creation of internal or external decision documents (e.g. proposals to the ESA programme boards) throughout the relevant project lifetime
- Identification and characterisation of new services and applications

- Support to other projects or Directorates of ESA for the definition and operational assessment of applications and services
- Support to standardisation activities in specific areas
- Monitoring of and reporting about activities in other ARTES Elements or other relevant programmes including EC programmes
- Initiation, preparation and running promotion activities, like workshops with Industry, other agencies or National Delegation as well as media related activities (e.g. web-articles)
- Initiation of and/or participation in international working groups

**Profile:**

- Master's Degree in Engineering Degree or equivalent
- At least 4 years of relevant work experience
- Experience in an international team is required
- Candidates should also possess very good interpersonal skills, be well-organised, pro-active, self-motivated and able to work effectively in a matrix structure
- Proven capabilities in preparation of programmatic frameworks requiring system and strategic thinking
- Experience Optical Technologies (Space and/or terrestrial)
- Relevant experience in requirements analysis, design, implementation and operations, and associated management experience
- Sound knowledge of the overall space market
- Good communication skills, problem solving skills and be able to manage relationships, work in a team and be self-motivating and disciplined
- Fluent in English (including the ability to draft technical reports); knowledge of another ESA member-state language is an asset

**Contact:**

**Candidates must be eligible to work in the EU**

Please send your CV (in English) as soon as possible, but no later than **23/04/2019** to [jobs@sapienzaconsulting.com](mailto:jobs@sapienzaconsulting.com)