

## SENIOR SPACE SYSTEMS ENGINEER (FOCUS ON CONSTELLATION DESIGN)

### WHO ARE WE?

Sateliot is a Barcelona-based Startup and it is the first satellite telecommunications operator that will provide global and continuous connectivity to all the elements that will make up the Internet of Things (IoT) universe, such as the connected car or home, under the 5G protocol.

In order to do so SatelloT is launching a constellation of last generation nanosatellites, located at low earth orbit operating as cell towers in space.

Sateliot is the perfect complement for large telecommunications companies by providing them with the necessary infrastructure where terrestrial infrastructure is not available. At the moment around 80% of earth's surface does not benefit from NB-IoT terrestrial infrastructure.

### YOUR MISSION

Sateliot is looking for a Senior Space Systems Engineer to join the Space Segment team. We are looking for an individual willing to face the challenges of a fast-growing space telecom startup.

The right candidate should show a great dose of curiosity, attention to detail and teamwork skills. Satellite project involves international suppliers that require flexibility to cooperate with different work cultures.

### YOUR MAIN FUNCTIONS WILL BE

- Perform mission and system analysis and design for future sateliot constellation
  - Iterate STK simulations to find optimal constellation configuration
  - Calculate performance metrics out of simulation environment
  - Analyze mission trade off
- Perform use case simulated scenario analysis for Sateliot's customers
- Support team to generate concepts of operations for Sateliot's missions
- Support generation of presentation and technical reports in cooperation with Sateliot's team and partners targeted to technical, non-technical or executive audience

### REQUIREMENTS

- Degree in Engineering (preferably space related), Physics or Maths
- Proven experienced spacecraft Systems Engineer (Minimum 3 years)
- STK proficiency. We are looking for someone who can use advanced features like python integration, optimizer or communications module.
- Knowledge of at least a scripting language, preferably Python
- Excellent English proficiency, particularly written
- Good knowledge of orbit analysis and constellation configurations trade offs
- Excellent analytical skills

### NICE TO HAVE

- Master's degree in related field
- Communications systems engineering exposure

- STK Certification
- Satellite AIT exposure
- Maker or electronics hobbyist interests

### WHAT YOU'LL FIND WHEN WORKING AT SATELIOT:

You will be part of one of the fastest-growing start-ups in Spain with global reach along getting into the challenging world of New Space & Telecommunication.

Our culture is based on embracing openness by welcoming multicultural talent, being respectful with everybody and being open to exchange ideas. We are also committed to a healthy lifestyle by helping our team balance their work and personal life and also by providing them facilities for healthy habits.

We are a driven team with big goals, that seek for people who are genuinely passionate about their work and that also want to keep learning and getting better personally and professionally!

### WHAT DO WE OFFER?

- Full time permanent contract
- Hybrid work model
- Schedule flexibility
- Flat and transparent organizational structure
- Buddy Program to help you with your integration during your first month
- Flexible compensation package: Tax benefits with ticket restaurant, transportation and kindergarten, training programs.
- We promote good physical and mental health, with a Health insurance, Fresh fruit in the office and the possibility of sharing the cost of bicycle transport or gyms.
- Work in a dynamic, multidisciplinary and multicultural environment that will allow you to boost your professional career
- To be part of a strong, international, friendly and motivated team, where you can progress both personal and professionally
- The chance to be part of one of the most exciting and disruptive space projects in Europe

**Are you ready to become a Sateliot member? Send us your CV!**