**Systems Engineer**

**Apply Now**

Company: Plan-S Satellite and Space Technologies

Location: Ankara

Category: other-general

Hi there! We call you from outside the Earth.

We, as Plan-S, are Turkey's largest private initiative in satellite and space technologies.

With the aim of building the best team, being the bravest and most visionary, we are located in the most amazing location of the city, at the hearth of R&D.

We design and build small satellites for low-earth orbit, geostationary satellites, and even small spacecrafts for the moon and beyond. We offer our customers end-to-end satellite as a service solutions.

We believe that the hardest jobs and the greatest achievements can only be done with the best. If you believe that you are one of the best, it is your job to achieve the hardest, and if you want to plan a new future for the world, join Plan-S!

**Responsibilities**

Perform stakeholder requirement analysis, technological trend analysis, needs analysis, etc.,

Analyze and determine the system level requirements,

Perform coordination with other departments to ensure the most appropriate solution by performing trade-off analysis for alternative designs,

Perform system architectural design, determine which hardware and software components the system will consist of, and define the static and dynamic relations of these components with each other,

Perform detailed design of the system, determine the operating states and modes of the system,

Design the system functional flows, determine the use cases, define failure and fault detection capabilities,

Define the relationships between the system components on a functional and physical basis,

Support the management in the preparation of project plans, determination of work packages, task management and other technical management activities,

Coordinate and support design engineers to determine the technical specifications of the components developed in-house or outsourced,

Coordinate and support design engineers in assembly, integration, testing and verification activities,

Perform system level configuration management.

**Requirements**

Bachelor's degree from the Electrical and Electronics Engineering,

Knowledge and experience of systems engineering standards, processes, methods and tools,

Knowledge and experience of requirements analysis, conceptual design, system architectural design, etc.,

Preferably have knowledge and experience in model-based systems engineering (MBSE),

Knowledge and experience on satellite systems, satellite payloads, ground stations and related standards,

Preferably have knowledge and experience in hardware design,

Knowledge and experience in Matlab, engineering analysis tools and C++, Python etc. programming languages are desired requirements,

Hands-on experience utilizing test devices, measurement systems and debugging tools,

Knowledge in communication protocols such as serial, CAN, ETH etc.,

Knowledge and experience in telecommunication systems and network protocol stacks,

Preferably have knowledge in LPWANs such as NB-IoT, LoRaWAN etc.,

Preferably have knowledge in 3GPP standards and experience especially on 5G NTN,

Knowledge and experience in system development methodologies like agile, incremental, spiral, etc.

Very good English proficiency in reading, writing, and speaking.

**Benefits**

The opportunity to shape "New Space"

Great work environment, opportunity to get responsibilities in the first day

Strong work & team culture empowering autonomy, self-discipline, and personal growth

Competitive compensation package

Wide range side benefits package

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