System Engineer

Work environment

For more than 20 years, EmTroniX has been designing and producing advanced electronics and embedded software for New Space applications. We are gathering seven fields of expertise in-house in order to have an extended technical knowledge in electronics, embedded software, digital signal processing and telecommunication systems design. Recently, EmTroniX decided to focus on the development and commercialisation of its new products portfolio. This role of System Engineer will directly contribute to this purpose with a technical involvement in all aspects of mission and product design, from requirement management to integration and verification. EmTroniX is an energetic, human-sized and innovative engineering company with more than 30 international employees.

Key responsibilities

- Be responsible for products' system consistency and coherency
- Coordinating technical activities with customers, partners, project teams and suppliers
- Prepare documentation according to applied space engineering standards
- Establish and manage requirements at all levels
- Manage internal and external interfaces (payload, ground segment, launcher, etc)
- Define analyses boundary conditions and validate reports
- Perform trade-offs analyses
- Define integration, verification and validation plan
- Positively influence projects teams to participate in system design activities

Job requirements

- Experience in Satellite Engineering or Aeronautics
- ESA documentation experience & ECSS
- Experience with functional analysis/specification tools (STK, GMAT or similar)
- Experience with requirements writing and management
- Excellent communications skills both written and oral
- Strong analytical and problem-solving skills

Preferred skills

- Basic skills in Mechanics, Electronics, Software and Telecommunication
- Provide a fresh approach and when appropriate question existing procedures, tools and methods with out of the box approach when relevant.
- Strong quality awareness will be appreciated

Who are we looking for?

- Master of Science degree is required (preferably in Electronics, Software, Telecommunication or Aerospace)
- Previous experience in systems engineering (space domain preferred)
- Over 5 years relevant experience required
- Synthetic, coherent and consistent mindset
- Excellent team-working skills
- Fluency in English is mandatory, French or German are strong assets

Interested in this job offer? Don't hesitate to send us your resume at info@emtronix.lu