



Talent driven
culture.

GNC, Avionics and Telecommunications Systems Engineer (M/F)

Ref.ª T202008

Our client is a prestigious space company that provides solutions to the challenges inherent in the aerospace industry, such as the development of propulsion systems, aerial platforms, and advanced manufacturing technologies. The company is located in greater Lisbon area (Portugal) and is hiring a GNC, Avionics and Telecommunications Systems Engineer for a full-time position in the R&D Team.

Location: Greater Lisbon, Portugal

Main Accountabilities:

- Address the multi-disciplinary/physics and high-fidelity vehicle dynamics modelling with implementation in 6DoF simulation environments (Matlab / Simulink).
- Provide daily support and expert analyses to the development of ongoing and future ascender and descender systems including micro-launchers and sub-orbital testbeds.
- Perform specific GNC design tasks, including detailed flight mechanics, environment, aero-dynamics, structures, propulsion, actuator and sensor system modelling.
- Perform system sizing, requirements capture, architecture conception, advanced GNC design as well as performance and SW validation analyses.
- Provide regular Technical Reporting of the GNC Design and Analysis as well as contribute in the preparation and execution of project and technology studies reviews.

Requirements & Qualifications:

- Master's Degree in Engineering;
- At least 3 years of relevant work experience;
- Proven experience in the design, tuning, analysis and simulation of GNC systems in different project phases;
- Proven knowledge of modern control design methods using commercial model-based design tools (MATLAB);
- Ability to interface with other entities in the industry;
- General knowledge of avionics (aside from GNC) systems used in aerospace vehicles;

If you meet the above requirements, please send your application via email: careers@qsr.consulting with reference to T202008_PRO_GNC, Avionics and Telecommunications Systems Engineer (M/F).

- Fluent in English;
- Candidates must be EU nationals or permanent residents.

Preferential

- Experience with rapid-prototyping of hardware-in-the-loop systems;
- A track record in the design of classical space transportation GNC systems including Thrust Vector Control/Attitude Control Systems;
- Mastery of advanced multivariable GNC design and verification approaches for stability and performance robustness analysis;
- Proven experience and skill as team leader.

Offer:

- Wage package appropriate to the presented experience and background.
- Career development opportunity.
- Contractual link established directly with the client.

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