

Job Position Description



VAC_007A_Head_Avionics_GNC_180606

Department	Avionics & GNC
Position	Head of Avionics & GNC
Description	Link between PLD Space and strategic partner for the development of Arion 1 and Arion 2 Avionics and GNC subsystems
Responsibilities	<ul style="list-style-type: none"> - Drive the planning, project definition, technical decisions and trade-offs. - Provide engineering expertise for design, analysis, production and testing of Launch Vehicles flight avionics. - To be the link between PLD Space and a strategic partner for the development of Arion 1 and Arion 2 Avionics and GNC subsystems. - To define, clarify, communicate, check, and accept the Avionics and GNC requirements for ARION 1 and ARION 2. - Define and perform electrical verification testing and data analysis. - Track the execution and release avionics projects to production and testing. - Provide support to the Project Manager with schedule and economical resources of the avionics department. - To design, manufacture and test in-house electronics & software for ground support. - To monitor the design, manufacture, assembly and test flight qualified electronics.
Required Competences	<ul style="list-style-type: none"> - Bachelor's degree in Aerospace engineering, Industrial Engineering or Telecommunications engineering. - Master's degree in Aerospace engineering or Telecommunications engineering. - +3 year experience working with of sensors, signal conditioning, and data acquisition electronics. - +3 years experience designing electronics for aerial systems. - +1 year experience with Space qualified electronic components. - Experience with clean room environments. - Experience with COTS, automotive, industrial and military electronic components. - Experience with modelling, simulation and testing of power electronics. - Experience with avionics inspection and integration in aerial systems.
Desired Competences	<ul style="list-style-type: none"> - +3 year experience with Matlab- Simulink for trajectory study and control optimization. - Knowledge of programming languages such as Python, C, C++. - +3 year experience with computer aided design (CAD). - Experience with telemetry systems. - Experience with design, production and testing of robotic electronics. - Experience with spacecraft electronics (small satellites and other small payloads desired).
Experience	- Experience working with government, NASA, ESA or commercial payloads.
Starting date	July 2018
Open positions	1
Work place	Elche (Spain), occasional travels to Teruel, Madrid & Huelva
Contract	Full time (three months trial)
Salary	31,500 €