Position: Stress Analysis Engineer - Area Structures
Location: SPAIN, Elche (Alicante)

We develop launch technologies to provide commercial suborbital and orbital access to space services with our launchers MIURA 1 and MIURA 5. Our believe is that boosting the small satellite industry, mankind will benefit of …… PLD Space is highly committed on providing space launch services dedicated to small payloads and small satellites.

Main responsibilities:
As part of a small, passionate, and accomplished team, you will be responsible for ensuring the structural integrity aspects of the rocket structure.

- Performing analysis to demonstrate structural integrity and strength aspects associated with Aerospace primary and secondary structures, equipment systems, components and integration according to the technical requirements within the scope of the Project
- Pre- and post-processing of components and assembly models. Meshing, advance load and boundary conditions definitions, material definitions
- Perform Linear Static and Dynamic Analysis especially focused on metallic and composite materials behaviour and failure modes
- Participate in technical reviews and configuration decisions as an expert in the structural strength discipline
- Liaise with other functions when required to ensure stress requirements are fully integrated

Required profile:
- Bachelor’s or Master’s degree in Aeronautical Engineering
- Experience with hand calculations. - In-depth knowledge of engineering principles and design techniques relation to composite materials, classical laminate theory and finite element modelling techniques
- Good understanding of spacecraft manufacturing methods and processes
- In-depth knowledge of Linear and Non-Linear Static analysis for metallic components, buckling, bolted joint, fatigue…
- Proficient in using Finite Element Analysis principles and associated tools
- Deep knowledge on implicit FEM analysis, Nastran solver is mandatory
- Knowledge in static and thermal analysis. - Self-motivated and able to work under pressure to meet deadlines, dealing with situations that are constrained by time and managing different tasks at once
- Fluent in Spanish and English

The company offers:
- Permanent Contract with 3 months trial period
- Negotiable salary between €24.000 - €35.000 (gross per year) + several benefits

How to apply: https://pldspace.com/en/career/propulsion-components-design-and-analysis-engineer-2 until July 31st and inform the Portuguese EURES Adviser paula.m.santos@iefp.pt


EURES mobility supports may be available if you apply to this vacancy. Please check www.iefp.pt/eures