



Satellite Mechanical Engineer

Umbra Lab, Inc. is a Santa Barbara, CA space company developing next-generation space systems. We are looking for mission driven professionals to join Umbra Lab. Join our team to embark on an exciting, innovative and meaningful career. Every team member can have a significant and essential impact, and career growth is unlimited. The commercial remote sensing industry is experiencing meteoric growth – this is a chance to change how humans and machines use data from space.

We are looking for a talented, mission-driven professional to work closely with a multidisciplinary engineering team as a Mechanical Engineer (Spacecraft), developing spacecraft structures and space mechanisms for next-generation space radar systems. The individual filling this position will lead the mechanical engineering team to develop, analyze, manufacture, and test mechanical and thermal subsystems.

Key Responsibilities

- Collaborate with engineering team to develop spacecraft structures and mechanisms.
- Deploy and maintain CAD and PDM tools (i.e. SolidWorks).
- Review and release engineering drawings and documents and maintain configuration control.
- Working with System Engineers, develop general requirements, specifications, and test plans for flight hardware.
- Design, fabricate, and test high-reliability space mechanisms, including interface control drawings.
- Perform SMS-related analyses including heat transfer, mass properties, stress, and venting for launch and space segments.
- Interface with vendors as the technical representative and subcontracts manager.

Basic Qualifications

- 10+ years experience as a mechanical engineer designing and analyzing complex structures and mechanisms for spaceflight hardware.
- Experience with design and development in CAD software such as SolidWorks (preferred) or Pro-CREO, including excellent drafting ability per ASME Y14.5.
- Comfortable working in a dynamic and fast-paced development environment.

Desired Qualifications

- Advanced degree in Astronautical Engineering or relevant technical discipline.
- Previous experience with spacecraft systems is a plus.

Additional Requirements

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire. All persons hired will be required to be a U.S. citizen, a lawful permanent resident of the U.S., or protected individual as defined by 8 U.S.C. 1324b(a)(3), or eligible to obtain the required authorizations from the U.S. Department of State.

Benefits

- Professional Work Environment
- Flexible Vacation / Paid Time Off Policy
- Medical, Dental, Vision, 401(k)
- Stock Options

About Umbra Lab, Inc.

Umbra Lab, Inc. is a venture-backed space company developing next-generation space systems. We are looking for mission-driven professionals to join Umbra Lab. We are building a bold, experienced team of payload developers and spacecraft systems engineers to aggressively expand the state-of-the-art for commercial remote sensing. Join our team to embark on an exciting, innovative and meaningful career. Every team member will have a significant and essential impact, and career growth is unlimited. The industry is just beginning meteoric growth – this is a chance to change how humans and machines use data.

To apply: Email resume to careers@umbralab.com