



Project Engineer II - Job Description

The Project Engineer II (PE) is responsible for oversight of tethered UAS programs at DPI UAV systems. Responsibilities include creating Preliminary Design Review, Critical Design Review presentations, weekly/monthly documentation, and leading a multi-disciplinary engineering team to fulfil contractual requirements. The PE is responsible for overall program cost, schedule, delivery of hardware/software. The Project Engineer leads a multifunctional team and reports to management and customers. Depending on contract and experience, the PE is responsible for developing the Systems Requirements Verification Matrix (SRVM), Systems Engineering Management Plan (SEMP), managing system requirements, developing system architectures, managing the risk & opportunity process, performing trade studies, and managing the discrepancy report process. Other duties include working with suppliers, and specialty engineers to ensure functional integration and requirements compliance through system design, development, and sustainment.

Specific Duties

- Develop and maintain Project Engineering documents including Gantt charts, monthly reporting duties, Earned Value Management System (EVMS), SRVM, SEMP, Work Breakdown Structures (WBS), Requirements Database, Discrepancy Tracking Database, etc.
- Lead System Requirements Reviews (SRR) and Design Reviews (PDR/CDR)
- Lead development of Integrated Master Schedules, Test plans ensuring budget allocation per the RAM
- Create System Test Descriptions/Procedures and System Test Reports
- Perform cost performance and weight studies for alternative design concepts
- Development and execution of Trade Studies and Analysis supporting Program / Project decisions
- Development and management of System Requirements including Verification and Validation planning and execution, utilizing industry methods
- Management of the Risk & Opportunity process including facilitation of mitigation and capture plan development and execution
- Management of Discrepancy Report development and closure
- Support the preparation and execution of detailed projects plans, Engineering Releases, Interface Control Documents and Specifications
- Support the development and submittal of compliant technical proposals
- Oversee subcontractor project execution

Qualifications

- Master's degree in Systems, Mechanical, Aerospace, or Electrical Engineering (preferred)
- Five plus years (5+) applicable SE experience
- Robots, unmanned aerial vehicles, aircraft mechanical system integration and subsystem detail design and certification experience preferred
- Strong communication skills including verbalization of technical concepts / topics
- Proficient with Microsoft Office (Outlook, Excel, PowerPoint, Word).
- CAD experience / SolidWorks and NX a plus



- US Citizenship Required

Company Description

Dragonfly Pictures, Inc. (DPI), founded in 1992, is growing! We are a small R&D business transitioning into production. We have specialized in the design, fabrication and flight test of unmanned air vehicles and associated technologies. DPI leverages its unique skills and experience to develop ground-breaking technologies from concept through design, fabrication, qualification, and flight test. The company is dedicated to production of quality unmanned systems for the Dept. of Defense and commercial markets.

Address

Dragonfly Pictures, Inc.
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Industry

Aerospace and Defense, Manufacturing

Equal Opportunity Employer