AIRCRAFT AND SYSTEMS ENGINEERING – MANAGER / DIRECTOR

Job Description:

Leads a team of Systems Engineers in risk management, requirements development, planning, hardware and software engineering, integration and validation of aircraft propulsion systems. Collaborates with other Engineering Department Managers. Specify, setup and oversee systems engineering processes in Jama in accordance with industry best practices and FAA regulations. Specifies and uses appropriate tools for system architecture, system modeling and simulation, optimization, system dynamics, systems analysis, statistical analysis, reliability analysis, and risk analysis. Develop and memorialize high level requirements. Oversee decomposition of requirements and linking through the systems engineering process to verification/validation activities including generation of all required artifacts. Works with project managers to support the creation, maintenance and execution of project plans, work breakdown structures, and schedules. Ensure correct resource assignments commensurate with the priority and complexity of project tasks. Oversee system engineering design reviews. Oversee aircraft analysis of aerodynamics, performance and flight mechanics. Directly perform all of the functions above as required. Develop project budgets and schedules for system engineering activities.

Compensation: Negotiable, DOE

Experience Level:

10+ years of increasing responsibilities including 5+ years supervising engineering staff

Required Qualifications:

+ BS degree in Aeronautical, Mechanical, Electrical, Software or Mechatronics Engineering
+ Fundamental understanding of every key aircraft technical discipline (configuration, aero, systems, propulsion, structures, software/avionics, flight test, manufacturing)
+ Minimum 5 years of experience supervising or leading a product development team
+ Minimum 5 years hands-on experience in machine, hardware and/or software systems engineering
+ Familiar with ARP 4754

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+ Experience with defining processes, procedures and tools used for electrical system and software system development, validation, integration, and verification.
+ Experience with full product development life cycle
+ Strong working knowledge of system integration and verification activities; including requirement validation reviews, test procedure development, automated test development and execution, and verification coverage analysis
+ Experience using requirements management software. Jama experience preferred.
+ Familiarity with FAA certification per Part 23
+ Experience performing aircraft performance and flight mechanics analyses
+ Demonstrated managerial, supervisory and leadership skills in a low-volume, fast-paced engineering and design environment
+ Demonstrated strong strategic thinking and communication skills
+ Demonstrated strong decision-making skills
+ Demonstrated ability to effectively present information and respond to questions from groups of managers and general users
+ Demonstrated ability to work with all levels of the organization to achieve organizational objectives
+ Able to read, analyze, and interpret technical data
+ Able to write in a clear and concise manner
+ Able to effectively present information and respond to questions from other departments.
+ Able to actively participate in multi-disciplined functional teams
+ Able to communicate project status updates in a team environment
+ Proficient with Microsoft Word, Excel, Powerpoint, Visio and Project. Proficient with PLM and requirements management tools.
+ Able to effectively plan, organize and complete work with minimal supervision
+ Able to communicate complex technical information to other departments and functions
+ Comfortable working in a matrix organization
+ Highly motivated to provide project deliverables on time and be able to establish priorities when multiple deliverables coincide
+ Interest and ability to contribute to evolving work processes
+ Passionate about engineering software applications and process improvements

Desired Qualifications:

+ MS degree in Aeronautical, Mechanical, Electrical, Software or Mechatronics Engineering
+ Strong proficiency with Jama requirements management tool
+ Oversee successful FAA Certification activities per Part 23
+ HV experience

Company Overview:

Ampaire is a tech startup based in California that is leading the charge in electric aviation. We're on a mission to provide the world with electric commercial flights that are affordable, quiet, and environmentally conscious. We're building the future of air travel, are reimagining the way people and their things fly. We are a practical and lean start-up that quickly iterates and learns, and this has allowed Ampaire to be among the first of the electric aviation companies to actually fly. We currently are flying what we believe to be the world's largest electrified aircraft by weight and capacity.

We're located at the intersection of aerospace and electric vehicles, right next to SpaceX and Tesla at Hawthorne Airport in Los Angeles County. As part of Starburst, the world's top aerospace accelerator, we have access to an international support network. We're proud to have won multiple international awards as a Top Aerospace Startup (Hello Tomorrow, Paris), Top Electrification Startup (New Mobility Challenge, Los Angeles), and IEEE N3XT Stars. We've also been featured in Aviation Week for our creative business approach and early success. Our talented team brings a diverse background from top institutions including: Caltech, Stanford, USC, Northrop Grumman, SpaceX, Virgin Orbit, and General Motors.

Equal Opportunity Employer:

At Ampaire, we are committed to building a more inclusive ecosystem that integrates women, people of color, and other underrepresented groups into the cleantech sector and aerospace industry. We strongly encourage applications from qualified applicants and members of underrepresented groups.

Ampaire is an Equal Opportunity Employer; employment with Ampaire is governed on the basis of merit, competence and qualifications and will not be influenced in any

manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.