

POSITION TITLE:

Program Manager – Gas Turbine Engine Development

POSITION DESCRIPTION SUMMARY:

TurbAero is developing a line of small gas turbine engines for application to light aviation and is seeking a well-rounded and experienced project manager to manage the engine development from design, prototyping, and flight testing, into production engine delivery. The ideal candidate is a practical engineer with experience in project management and testing of small gas turbine engines and is a self-starter who would be excited about helping a small aviation start-up to launch its first product. Turbomachinery design engineering, manufacturing engineering and/or supply chain experience and a PMP or similar certification are a plus.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

- Lead the development, execution, and on-going management of a detailed project work plan to ensure schedules, budgets, and KPIs are met according to specifications, ISO/aerospace standards, best practices, and lessons learned while maintaining the quality of standards. Identify project risk areas, risk mitigation strategies and build contingencies into the schedule from planning through complete execution of the project.
- Support the Chief Technology Officer in planning, scheduling, budgeting, resourcing, contingency planning and risk mitigation throughout engine design, development, and testing.
- Responsible for the engine during its pre-production life cycle, from design through prototype and flight testing, including initial supply chain procurement and provide support as the engine moves into initial production.
- Responsible for the engine during its production life cycle including providing project management and technical support to engineering, supply chain, manufacturing, customer service and field engineering functions to ensure a best-in-class customer experience.
- Communicate technical information from manufacturing and instrumentation drawings / reports to suppliers, manufacturers, test facility operators, and the assembly team to drive clarity and collaboration across all parties to ensure on-time and to standard performance of these key functions.
- Execute testing plans and report deviation and failures while providing all necessary data to the engineering team for analysis and potential design changes, while integrating all schedule impacts back into the master project plan.
- Work closely with Supply Chain and Manufacturing to evaluate and recommend new suppliers to the engineering teams to drive cost-effective, high-quality manufacturing of all externally sourced components.
- Prepare analysis, reports, and recommendations to solve logistical and programmatic issues. Revise the Project Plan as appropriate to meet changing needs and requirements. Communicate schedule, cost, resource impact, risks and proposed solutions to the engineering and production teams. Resolve and/or escalate issues in a timely fashion to ensure minimal impact to cost, schedule, and functionality.
- In collaboration with the engineering documentation management staff, ensure detailed project documentation is completed and maintained, including proper versioning and revision control of all design specifications, design documents, manufacturing BOMs / drawings and subcontractor agreements.

EDUCATION AND EXPERIENCE:

- Education: Bachelor's degree in Mechanical, Aerospace, or Electrical Engineering; Master's degree preferred.
- Experience: 5+ years of relevant project management with a gas turbine engine company, PMP or equivalent certification preferred
- Abilities:
 - Demonstrated gas turbine project management experience.
 - Proficiency with project management tools such as MS Project is essential.
 - Must have a strong fundamental understanding of gas turbine design/manufacturing/operation.
 - Full product life-cycle management experience preferred.
 - Material Science, Manufacturing Engineering, Supply Chain and/or Customer Support / Field Engineering experience is a plus.
 - Ability to read, review and interpret mechanical and instrumentation drawings.
 - Gas turbine engine and/or gas turbine component test experience strongly desired.
 - Self-starter, able to work independently in a small company environment.

- Demonstrated leadership capability; excellent communication, teamwork, and interpersonal skills; committed to working collaboratively; high level of independent judgment to analyze and resolve problems.
- Interest in general aviation is a bonus.

OTHER POSITION INFORMATION:

- Reporting – The candidate will report directly to the Director of Program Management, with a dotted line reporting to the Chief Technology Officer.
- Location – The design office is in Ottawa, Canada. However, remote work may be considered for the right candidate; Domestic US and international travel may be required.
- Salary and Benefits – TurbAero offers a competitive salary and comprehensive benefits package.