

# Program Manager

## Overview and Background

SPARC Research was founded in 2018 to advance state-of-the-art rocket and airbreathing technology development, preliminary design, and prototype demonstration using modern Multiphysics modeling tools. With industry leading years of combined experience in rocket propulsion, SPARC's personnel create relationships with customers that are built on trust.

Working with established propulsion suppliers, missile prime contractors, and Government laboratories to provide unique design solutions to demanding propulsion requirements, SPARC Research provides unbiased technical analyses and design solutions that our customers can count on. SPARC Research currently has 20 employees, numerous interns and consultants, and is still growing. The CEO, president, and directors provide a combined 165 years of experience in rocket propulsion and government contracting.

Keys to company success:

- Relationships with customers that are built on trust
- Unbiased technical analysis and design solutions a customer can count on
- Providing a work life for employees that is enjoyable and rewarding
- A transparent management approach that recognizes personal employee contributions
- Engagement with educational institutions at all levels

**SPARC Research** is in need of a **Program Manager** to join our team in Warrenton, VA. Our position requires significant program manager experience with a demonstrated knowledge base of rocket motor propulsion development and manufacturing, as well as problem solving skills that include but are not limited to: development and production of rocket motor cases, insulation, energetics additive manufacturing, and other critical components for solid or liquid rocket motors and high supersonic - hypersonic propulsion systems.

## Job Responsibilities

The Program Manager will manage the integrated project team (IPT) and subcontractors, drive execution, communicate with management staff, as well as be responsible for program profit and loss, and the primary point of contact (POC) for customers. The job will require 35% travel to customer sites, meetings, and trade shows.

## Requirements

Our position requires a bachelor's degree in engineering, management, and/or business related field, as well as a proven track record of working with department of defense (DoD) for a minimum of ten (10) years, or an equivalent combination of education and experience.

***Additional Requirements:***

- Experience in tactical rocket motor development, manufacturing, testing, and production
- Lead program management, monthly, quarterly, and customer reviews
- Manage subcontractor request for proposals, bids, execution, and performance
- Have a proven track record of program completion, and/or favorable customer feedback
- Manage integrated master schedules (IMS). Earned value management experience is desirable
- Results-driven management style that focuses on risks and opportunities
- Lead cross functional teams across multiple job functions
- Ability to manage through others and document compliance to requirements
- Lead new and follow-on proposals, as well as business development activities
- Ability to manage up through site directors to the site President
- Exceptional written and verbal communication skills
- Experience with ISO 9001:2015
- Prior experience working with cost plus fixed fee (CPFF), and time and material (T&M) contracts
- Must satisfy federal government requirements for access to government information, which requires U.S. Citizenship, or U.S. Permanent Residency

***Preferred Qualifications:***

- Experience with Earned Value Management System (EVMS)
- Experience with risk management, system requirement flow downs, and requirements tracking
- Working knowledge of various drafting tools and software. Geometry-based modeling is desirable
- Experience in the design and development of mechanical components, including thermal and structural analysis, practice, and principles
- General component and system level knowledge of solid and liquid propulsion hardware is desirable
- Active SECRET clearance
- Experience working with traditional prime contractors