



We are seeking professionals to work closely with a team of mechanical, aerospace, electrical, and materials research engineers and technical project leaders in state-of-the-art research and development at CRG's R&D Center in Dayton Ohio. Mechanical Research Engineers will have the following responsibilities:

- Participate in and coordinate the design, build, and test process
- Work with team members with backgrounds in aerospace, electrical, and chemical engineering to design and implement fully-functional powered and actuated system designs
- Define and develop detailed mechanical designs using sound engineering principles for a wide variety of components, subsystems and/or systems
- Design and implement composites into mechanical systems
- Lead and participate in build activities with composite fabricators and technicians
- Coordinate fabrication and assembly of components and systems
- Manage technical tasks and objectives to meet customers' schedules and budgets
- Communicate technical results, plans, and issues with internal and external customers, including presenting and writing reports and proposals
- Develop and maintain relationships with new and existing customer base to support program area growth
- Identify and pursue new opportunities that fit within the corporate objectives and strategic direction

### **Qualifications & requirements:**

- **Exclusive US citizenship required**
- Ability to obtain and maintain a SECRET security clearance required
- Minimum B.S. in mechanical engineering or equivalent required
- Strong written and verbal communication skills preferred
- Work experience in applied R&D preferred; work experience in a team-oriented environment a plus
- Experience in SolidEdge, CATIA V5<sup>®</sup> drawing software and Abaqus finite element analysis software a plus
- Experience with composite fabrication and/or design a plus

### **Ideal candidates exhibit the following qualities:**

- Ability to perform in the fast-paced environment of a rapidly growing small business
- Ability to balance multiple projects and deadlines
- Ability to quickly understand new technology areas and manage and adapt to rapidly changing customer needs
- Excellent proactive and reactive problem-solving skills
- Excellent communication, interpersonal, and organizational skills
- Self-motivation, initiative, attention to detail, creativity, and enthusiasm with a team-oriented mentality

### **PHYSICAL DEMANDS**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is frequently required to stand, walk, sit, climb stairs, balance and stoop, kneel, crouch or crawl, talk or hear. The employee may be required to lift, carry, push or pull up to 50 lbs. Specific vision abilities required by the job include close vision, distance vision, peripheral vision, depth perception, and the ability to adjust focus.

### **WORK ENVIRONMENT**

Work environment characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee may periodically need to be exposed to a R&D laboratory environment. The use of appropriate safety equipment such as safety glasses and shoes or wearing a respirator may be required. The employee should have basic awareness of hazardous materials, and be able to read SDS reports and follow appropriate precautions. The noise level in the work environment is usually low to moderate.