

## **Job Description – Structural Designer**

**Job Title:** Structural Designer, Level 3

**Department:** Engineering

**Reports To:** CTO

Structural Mechanical Designer with 5-10 years experience in structural design with an emphasis in aerospace.

### **Duties:**

- Generate structural components (machinings, sheet metal, and composite) in 3D CAD using Solid Works
- Build structural assemblies to include fastener layouts and component installations
- Work with other designers as part of an IPT (Integrated Product Team) to complete air vehicle design definition
- Select the correct fasteners and standard parts for assemblies and components using design specifications and stress requirements
- Generate Spec Control Drawings for Supplier down select
- Work with Suppliers to optimize component design for fabrication
- Support the shop floor as required during build to support change requests.
- Lead small design teams of 5-7 personnel

### **Related Skills:**

- BSc in Mechanical or Aerospace Engineering or equivalent
- Minimum of 5 years experience in structural mechanical design (aerospace design preferred)
- Expert in Solid works (more than 5000 hrs)
- Proficient in use of Microsoft Office Tool Suite
- Excellent communication skills
- Positive contributor to team oriented design environment
- Focused, methodical with good analytical skills