OVERVIEW

Bigelow Aerospace was founded in 1999. Our headquarters are located in North Las Vegas, Nevada.
Our mission is to provide affordable destinations serving many diverse uses and customers, whether those destinations are located in low Earth orbit, deep space or on a foreign body.

In 2006 and 2007, we successfully launched and deployed Genesis I and II. On April 8, 2016 we launched the BEAM, Bigelow Expandable Activity Module, on contract with NASA to the International Space Station. The BEAM is a technology demonstrator to promote the viability of expandable habitat technology.

Roles and Responsibilities

- Apply principles of physics and science mechanics specifically towards the design of softgoods structures and sub components. Apply knowledge of mechanical engineering and scientific principles to develop, design, analyze, test, and validate solutions for complex softgoods (textile) structural systems and parts.
- Design softgoods structures and products based on set of given and derived requirements
- Develop complex softgoods structures including designs, drawings, performance predictions and verification requirements and support briefings to management team
- Perform related analysis (simple FEA) and classical hand calculations to determine if design meets functional / performance specifications and optimization of design
- Modify designs based upon manufacturing capabilities, cost and schedule
- Work with softgoods and mechanical structural analysis to verify loads and stresses before fabrication
- Responsible for completing Project Summaries, Action Items, Test Requirements, Release Orders, Change Orders, 3D Models, and Part Drawings
- Prepare manufacturing drawings to ANSI Y14.5M standards using GD&T for manufacturability and repeatability
- Troubleshoot manufacturing and assembly issues while working with technicians and production teams
Education and Qualifications

- Applicant must have minimum 3 - 5 years working experience in industrial design, aerospace and spacecraft design, inflatable aircraft design, high altitude spacecraft design, engineering or product development
- Extensive knowledge in materials and processes related to textiles and fabrics
- Bachelor’s degree in industrial design, engineering or aerospace
- Proficient in Solidworks and operational knowledge in rapid prototyping machines
- Positive attitude and the ability to work under pressure and meet deadlines consistently
- Experience gained through the military or within an aviation manufacturing or aerospace company is a plus

How to Apply
Go to: http://bigelowaeospace.com/bacareers/softgoods_manu_eng/