CREATIVE DESIGN ENGINEER

PostingID: [Scorecard]
Company: Protech Theatrical
Position Type: Full-Time
College Major(s): Mechanical Engineering, Civil Engineering, Entertainment Engineering & Design

Website: www.protechlv.com
Work Location: Las Vegas
Salary: 45k-65k DOE
College Level(s): Seniors, Graduates

OVERVIEW

Protech is a leading designer, manufacturer, and installer of theatrical rigging and stage automation equipment. With nearly 30 years of experience and several thousands of completed projects spanning the globe, Protech is looking to continue expanding its R&D and special projects divisions as the entertainment industry continues to evolve.

We are an established and growing manufacturing /contracting company looking for a creative Mechanical or Structural Engineer for immediate hire at our Las Vegas, NV location.

You will work alongside our team of engineers and project managers throughout every aspect of the manufacturing and installation process. As most of our projects are custom in nature, you will be tasked frequently with machine and system design, in addition to special projects such as new product development. With quick project life cycles and onsite fabrication, this is an opportunity to design and see your work actualized in an exciting and growing industry.

Roles and Responsibilities
- Produce and check CAD drawings for project submittals and shop drawings/cut sheets
- Collaborate with external third party PE’s and Architects as part of submittal process
- Perform limited analysis (FEA and hand limited calculations) of machinery
- Work with small teams to develop products from concept to actualization
- Assist with design modifications during manufacturing and installation
- Design for manufacturing and reliability
- Prepare product reports and documentation

Qualifications and Education Requirements
A 4 year degree in either Mechanical or Structural Engineering is preferred, however those with a strong CAD background and mechanical/machine design experience are encouraged to apply. Senior level students will be considered and flexible scheduling may be permissible. Industry-specific training will be provided.

Preferred Skills
- 4 year degree in Mechanical or Structural engineering (preferred), senior level students considered.
• Proficient with 2D AutoCAD and 3D modeling (preferred)
• Working experience with Finite Element Analysis (statics)
• Experience with BIM Modeling and Navisworks (preferred)
• Mathematical computing and analysis tools knowledge (Matlab, Excel, LabView etc)
• Solid understanding of core concepts including mechanics, kinematics, thermodynamics, materials science etc.
• Creativity and analytical skills
• Ability to communicate technical knowledge in a clear and understandable manner
• Fabrication, manufacturing, and/or construction industry experience is preferred

Benefits and Compensation:
$45-65k DOE (full time)
Partial medical insurance
Full dental insurance

Where To Apply
Email a single page resume and brief cover letter to HR@ProtechLV.com. Please list only relevant experience and education.