

Job ID: BS91310A
Job Title: Mechanical Engineer
Degree Requirements: Bachelor's Degree Mechanical Engineering
Years of Experience: 3 - 5
Type of Position: Direct Hire
Location: Atlanta, GA Area
Salary Range: \$50K - \$65K
Travel Required: <25%

IMMEDIATE NEED in the Atlanta, GA area for a Mechanical Engineer who holds a Bachelor's Degree from an accredited college or university and has between 3 -5 years work experience in Mechanical Design. This position requires a detailed background investigation & reference checks.

The **MUST HAVE ITEMS** for this position are:

- Bachelor's degree in Mechanical Engineering
- 3 -5 years work experience in Mechanical Design
- Be a U.S. resident and meet NRC criteria for admission into nuclear power plants in the USA
- Minimum of 3 years work experience in 3D Design using SolidWorks and / or Pro E. You will be required to demonstrate your ability and competency by presenting your portfolio or by passing a test during the interview process.
- Demonstrated skill in the conceptual design, layout and documentation of steel structures, machined parts, & electro-mechanical products and enclosures
- Skill in design & documentation of welded structures, sheet metal, & machined parts
- Skill in specifying steel & stainless structural components, flanges, valves, piping & tubing, fittings, pumps, fasteners
- Work with minimal supervision but closely with the Engineering Team
- Have a thorough knowledge of ANSI Y14.5M tolerancing & knowledge of drafting standards
- Be very proficient in specifying welds & welding symbols, welding standards & practices American Welding Society (AWS)
- Experience in creating Bills of Material (BOM), Engineering Change Notices (ECN), Product Structure

The **PLUSSES** in this position are:

- Experience & expertise in Mechanical Design using AutoCAD
- Knowledge of ISO Drafting Standards
- Perform analysis (Seismic, Stress, Computational Fluid Dynamics)
- Knowledge of industry codes & standards (ANSI, ASME, ASTM, AWS)

The **RESPONSIBILITIES** of this position include but are not limited to:

- Develop initial conceptual & layout drawings from specifications, sketches, & from project manager
- Prepare & review mechanical assembly drawings, subassembly drawings, detail drawings, & bills of material using SolidWorks and / or Pro E
- Present most advantageous design solutions, utilizing established engineering practices, work procedures, & industry standards
- Development and documentation of concepts and designs of complex electro-mechanical products and packaging of radiation monitoring systems (component level through skids & panels)
- Perform design assignments requiring common sense, logic, creativity, & applied technical knowledge
- Analyze designs & make recommendations for changes or modifications
- Assist in coordinating project activities with Purchasing, Industrial Engineering, Technicians, Production, & Quality Control Departments
- Investigate, modify & certify "As-Built" drawings
- Provide assistance in properly maintaining records, engineering drawings & databases
- **KEY WORDS:** Mechanical Engineer, Mechanical Design Engineer, SolidWorks, Pro E, As Built, Nuclear Power, Nuclear Power Plant, ANSI, ASME, ASTM, AWS, Seismic Analysis,

Stress Analysis, Computational Fluid Dynamics Analysis, Bill of Material, BOM, Radiation Monitoring, ISO Drafting, AutoCAD, ANSI Y14.5M, NRC, Nuclear Regulatory Commission, 3D Design, Engineering Change Notices, ECN, Product Structure, conceptual design, layout of steel structures, documentation of steel structures, machined parts, electro-mechanical products, electro-mechanical enclosures, sheet metal, specifying, steel, stainless, structural components, flanges, valves, piping & tubing, fittings, pumps, fasteners

If you meet these requirements and wish to be considered for this position, send your résumé to us using Word 97 -2003 at Resumes@PinnaclePlacementGroup.com mentioning the **Job ID** and the **Job Title** in the subject line of your email. **In your email please provide us a short narrative detailing your experience and expertise as it applies to this position.**