

**Job ID:** **RK020513A**  
**Job Title:** Mechanical Design Engineer  
**Degree Requirements:** Bachelor's Degree in Mechanical Engineering with E. I. T. or P.E.  
**Years of Experience:** 5 or more  
**Type of Position:** Direct Hire  
**Location:** Atlanta, Georgia Area  
**Salary Range:** Depends on Experience and Expertise  
**Travel Required:** 15% Domestic with some trips of up to 2 weeks

Our client has an **IMMEDIATE NEED** for a Mechanical Design Engineer in their Atlanta, GA area facility. Excellent benefits package. Relocation assistance is budgeted for this position.

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

- \* United States Citizen with ability to pass NRC background and reference checks
- \* Must meet NRC criteria for admission to United States nuclear power plants
- \* Bachelor's degree in Mechanical Engineering with E. I. T.
- \* 5 years progressive Mechanical Engineering experience ( machine part design, fabrication, mechanical / functional testing of instrumentation & control equipment, ability using basic hand tools for inspection, set-up, adjustment, & calibration
- \* Knowledge of welding practices & processes
- \* Familiar with American Welding Society ( AWS ) welding symbols & welding standards
- \* Proficiency in ( ANSI ) and other international drafting & tolerance Standards ( ISO & IEC )
- \* Proficiency in PROENGINEER ( ProE ) Wildfire
- \* Computer literacy using Microsoft Office Suite & database software packages
- \* Experience in conceptual design, layout, documentation of electro-mechanical products & enclosures
- \* Expertise in design & documentation of sheet metal, machined parts & welded structures
- \* Experienced in utilizing codes for stress, seismic analysis, & UBC analysis
- \* Expertise in specifying /selecting parts ( Steel, Stainless Structural Components, Fasteners, Flanges, Valves, Small Size Piping, Tubing, Fittings, Pumps, Bearings, etc. )
- \* Experienced creating Bill of Material, ECN's, Product Structure etc.
- \* Able to work with low level radioactive material
- \* Be able to travel up to 15% of the time domestically (typically no more than 2 consecutive weeks )

**PLUSSES** in this position are:

- \* Advanced Engineering Degree
- \* Professional Engineers License
- \* LEAN and or Six Sigma Certification
- \* Expertise with Radiation Monitoring Systems

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

- \* Operate computer-aided design ( CAD ) system & peripheral equipment to resize / modify integrated circuit designs
- \* Generate computer tape of artwork for use in producing mask plates used in manufacturing integrated circuits
- \* Reviews work order and procedural manuals to determine critical dimensions of design
- \* Calculates figures to convert design dimensions to resizing dimensions specified for subsequent production processes
- \* Locate files relating to specified design projection data base library loading program into computer
- \* Work with engineering & design staff determining design
- \* Develop mechanical design solutions, production files, parts & assembly drawings, bills of material, assembly / installation instructions, for complex electro-mechanical products & packaged radiological instrumentation systems ( component level through skids, shielded structures & panels )
- \* Develop 3D ProEngineer CAD mechanical design for systems, components, & / or parts based upon customer specifications, product specifications, project manager's description / sketches
- \* Provide mechanical design solutions for project / product requirements utilizing established engineering practices, work procedures prevailing industry standards

If you meet these requirements and wish to be considered for this position, send your résumé to us in a Word document at [Resumes@PinnaclePlacementGroup.com](mailto:Resumes@PinnaclePlacementGroup.com) mentioning the **Job ID** and the **Job Title** in the subject line of your email.

**In your email or cover letter, please provide us a short narrative detailing your experience and expertise as it applies to this position. Also, please provide us with your MINIMUM salary requirements.**

**KEY WORDS:** Mechanical Engineer, Design Engineer, Mechanical Design Engineer, Nuclear Regulatory Commission, NRC, Nuclear, Nuclear Power Plants, Monitors, USA Resident, Bill of Material, BOM, Engineering Change Notice, ECN, Welding Symbols, Welding Standards, American Welding Society, AWS, American National Standards Institute, ANSI, International Organization for Standardization, ISO, International Electrotechnical Commission, IEC, ProEngineer, ProE, Wildfire, CAD, Computer Aided Design, AutoCAD, 3D, Stress Analysis, Seismic Analysis, UBC Analysis, LEAN, Six Sigma, Radiation Monitoring Systems