Lead Mechanical Welding Engineer

Location: Wilmington, NC (come live at the beach!)

Please send resume to Noelle Frame (noelle.frame@ge.com) or apply online at: https://jobs.gecareers.com/power/global/en/job/R3669915/Lead-Mechanical-Welding-Engineer

Job Description Summary
The Lead Mechanical Welding Engineer is responsible for a variety of activities to support the GE Hitachi Nuclear Energy (GEH) and its partners. In this role, you will develop welding design specifications, welding process specifications, as well as provide design and procurement support for welded products. This position requires interfacing with Engineering Leadership, Product Management, Quality, Sourcing and Manufacturing teams within our Nuclear Services and New Plant Design businesses.

Job Description
Essential Roles and Responsibilities
- Embrace GEH’s nuclear safety culture, where work is performed with an overriding priority on integrity, safety, security, and quality
- Work effectively in a matrixed engineering team to ensure high quality deliverables in accordance with customer requirements, procedures, and regulatory guidelines
- Utilize knowledge of ASME BPVC Section III Division 1 and Section IX, and AWS A2.4 and A3.0.
- Demonstrate familiarity or expertise in GTAW and resistance welding
- Leverage knowledge of physical and welding metallurgy of austenitic stainless steels and perform metallurgical analysis of weldments
- Review designs with welds for application of welding symbols, conformance to codes and make recommendations for joint designs while collaborating in a productive and respectful manner
- Develop welding process specifications, welding procedures, inspection requirements, and weld qualification reports
- Demonstrate knowledge of welding defects and their causes
- Troubleshoot welding and process issues, provide and support implementation of solutions
- Provide technical support for Sourcing Team of fabricator welding procedures and weld qualification reviews
- Assist Mechanical Design Engineers in welding joint design concepts and design for manufacturability
- Demonstrate strong oral and written communication skills, including an ability to write organized engineering documents
- Strong interpersonal and proven leadership skills

Required Qualifications
- Bachelor’s degree in Welding Engineering or equivalent engineering discipline from an accredited university or college.
- Minimum of 3 years of experience working in an engineering environment.

Eligibility Requirements:
- Relocation to Wilmington, NC
- Ability and willingness to travel to domestic and international plant sites.
• This role is restricted to U.S. persons (i.e., U.S. citizens, permanent residents, and other protected individuals under the Immigration and Naturalization Act, 8 U.S.C. 1324b(a)(3)) due to access to export-controlled technology. GE will require proof of status prior to employment.
• GE will only employ those who are legally authorized to work in the United States for this opening. Any offer of employment is conditioned upon the successful completion of a background investigation and drug screen.

**Desired Characteristics**
• Experience analyzing, and solving moderately complex design problems
• Strong oral and written communication skills, including a demonstrated ability to write organized engineering documents
• Knowledge of Geometric Design & Tolerancing practices
• Familiar with the physical and welding metallurgy of nickel alloys, zirconium and aluminum alloys.
• Familiar with SAW, FCAW, GMAW and SMAW processes.
• Knowledge of the ASME/AWS codes
• Experience in the BWR or PWR industry