



Position: Senior Mechanical Engineer (ASME)
Department: Engineering
Classification: Exempt
Supervisor: VP, Engineering

Purpose of Position

Ultra Electronics, Nuclear Sensors & Process Instrumentation (NSPI) seeks an experienced Registered Professional Engineer to support current business and future market opportunities primarily in the commercial nuclear power market.

Key Responsibilities

- Develop and implement a quality assurance program including revising existing, and creating new procedures required by the American Society of Mechanical Engineers (ASME) for Nuclear Accreditation/Certification in particular Code Symbol Stamp NPT (Nuclear Partials)
- Perform mechanical engineering functions related to the development and production of process sensors and instruments including pressure boundary items such as thermowells, sensor bodies, pressure transmitters and accessories.
- Activities include engineering evaluation of the design, design analysis, design qualification, producing design reports and drawings, interfacing with suppliers and customers.
- Create and certify design reports in accordance with the rules of ASME Boiler & Pressure Vessel (BP&V) Code, Section III, Subsection NCA, General Requirements for Divisions 1, 2 and 3, as well as the specific requirements of other applicable Subsections.
- Activities are conducted in a concurrent team environment with significant interaction with engineering, quality assurance, production, management, and other members of the team.
- Administrative tasks include defining program and project tasks, schedules, budgets and periodic assessment of program progress via written and oral presentation to colleagues and management.

Desired Background and Skill Requirements

- Bachelor Degree in Mechanical Engineering, Advanced Degree - MSME is desirable,
- Candidates must have a demonstrated knowledge in the commercial nuclear power or process industry working in a design or modification organization,
- Registered Professional Engineer in at least one state of the United States or Province of Canada,
- ASME Code knowledge and experience: at least 4 years of varied application experience in design and analysis of applicable items,
- Working knowledge of Code requirements for materials, design, fabrication, examination and testing,
- Knowledge of the General Requirements of Subsection NCA,
- General broad engineering design experience in a manufacturing environment,
- Prior commercial nuclear engineering experience for components such as thermowells, pumps, valves, seals, is a desirable asset,
- Some previous field experience in power or process plants is desirable,
- Must be a US Citizen,
- Good communication skills (verbal and written), and
- Professionalism and commitment to quality and customer satisfaction.