Nevada National Security Sites: Electrical Engineer II

Overview

Mission Support and Test Services, LLC (MSTS) manages and operates the Nevada National Security Site (NNSS) for the U.S. National Nuclear Security Administration (NNSA). Our MISSION is to help ensure the security of the United States and its allies by providing high-hazard experimentation and incident response capabilities through operations, engineering, education, field, and integration services and by acting as environmental stewards to the Site's Cold War legacy. Our VISION is to be the user site of choice for large-scale, high-hazard, national security experimentation, with premier facilities and capabilities below ground, on the ground, and in the air. (See NNSS.gov for our unique capabilities.) Our 2,750+ professional, craft, and support employees are called upon to innovate, collaborate, and deliver on some of the more difficult nuclear security challenges facing the world today. In this environment, the best ideas need to be voiced and every opinion matters. As such, MSTS places great value on Diversity, Equity, and Inclusion and is committed to a diverse and equitable workforce, with an inclusive culture that values and celebrates the diversity of our people, talents, ideas, and perspectives.

- MSTS offers our full-time employees highly competitive salaries and benefits packages including medical, dental, and vision; both a pension and a 401k; paid time off and 96 hours of paid holidays; relocation (if located more than 75 miles from work location); tuition assistance and reimbursement; and more.
- MSTS is a limited liability company consisting of Honeywell International Inc. (Honeywell), Jacobs Engineering Group Inc. (Jacobs), and HII Nuclear Inc.

Responsibilities

The Nevada National Security Site is actively looking for an Electrical Engineer II to support the PULSE (Principal Underground Laboratory for Subcritical Experiments) Complex. The PULSE Complex is an underground nuclear facility located within the Forward Areas of the Nevada National Security Site that supports Subcritical Experiments performed by the Nuclear Weapons Laboratories. This position reports to the PULSE Engineering Manager.

Key Responsibilities

- Responsible for maintaining overall cognizance of assigned electrical facility systems, providing systems engineering support for operations and maintenance, and technical support of line management safety responsibilities for ensuring continued system operational readiness.
- Validate physical configuration of assigned electrical systems. Maintains and updates system documents for Configuration Management (CM). Understand the functions and performance criteria for assigned systems per the Safety Basis and acts as the subject matter expert for assigned electrical systems.
- Conduct or oversees the In-service-Inspection and Technical Surveillance Requirement execution of assigned systems.

- Contribute to solutions of assignment-related problems and issues with a moderate scope and of moderate complexity, using a well-defined set of technologies. Solutions use established basic standards, practices and procedures as well as technical knowledge to address problems and complete tasks. Solutions may require evaluation of standards and processes.
- Participate in developing field programs and designs using pre-determined principles and practices.
- Select and implement computer applications for their field.
- Prepare or contribute to designs, strategies, reports and technical proposals.
- Perform design and technical analysis activities using prescribed codes and standards, computer software, and generally accepted best management practices.
- Perform frequent coordination of discipline information with other departments within the company and with outside vendors.
- Work with outside vendors as required, obtaining relevant information.
- Develop a working knowledge of codes and standards of other disciplines.
- Coordinate work within their discipline on moderately complex projects.
- Often serves as a member of work teams.
- Define specifications for procurements and initiates purchase requests.
- Monitor work of skilled technicians and other support personnel.
- Perform other duties assigned by Management.

Qualifications

- Minimum Education and Experience:
    - Bachelor's degree in an engineering program accredited by the Accreditation Board for Engineering and Technology (ABET) required for Civil, Mechanical and Electrical engineering degrees;
    - Or, Calculus-based STEM bachelor's degree in engineering
    - Or, for Architects, Certification from the National Council or Architectural Registration Board (NCARB)
    - Or Professional Engineer license
- Plus at least 2 years' relevant experience.*Skill building experience must demonstrate either deeper technical specialization or additional crossdisciplinary knowledge. Graduate research experience may be recognized.*
- Ability to interpret codes and standards applicable to the position.
- Demonstrated desire to learn and innovate.
- Demonstrated ability to follow instructions and procedures.
- Knowledge of instrumentation & control, electrical, mechanical or electromechanical components.
- Should be self-motivated and able to complete assigned tasks with minimal supervision.
- Ideally, the applicant will have strong time-management skills. Be well organized, maintain safe work habits and have a broad range of technical interests and education.
- Excellent oral and written communication skills, including the ability to write reports and technical documents.

- The primary work location will be at the Nevada National Security Site (located 65 miles northwest of Las Vegas, Nevada).
- Work schedule will be 4/10s Monday through Thursday (subject to change).
- Pre-placement physical examination, which includes a drug screen, is required. MSTS maintains a substance abuse policy that includes random drug testing.
- Must possess a valid driver's license.

MSTS is required by DOE directive to conduct a pre-employment drug test and background review that includes checks of personal references, credit, law enforcement records, and employment/education verifications. Applicants offered employment with MSTS are also subject to a federal background investigation to meet the requirements for access to classified information or matter if the duties of the position require a DOE security clearance. Substance abuse or illegal drug use, falsification of information, criminal activity, serious misconduct or other indicators of untrustworthiness can cause a clearance to be denied or terminated by DOE, resulting in the inability to perform the duties assigned and subsequent termination of employment. In addition, Applicants for employment must be able to obtain and maintain a DOE Q-level security clearance, which requires U.S. citizenship, at least 18 years of age. Reference DOE Order 472.2, "Personnel Security". If you hold more than one citizenship (i.e., of the U.S. and another country), your ability to obtain a security clearance may be impacted.

Department of Energy Q Clearance (position will be cleared to this level). Reviews and tests for the absence of any illegal drug as defined in 10 CFR Part 707.4, "Workplace Substance Abuse Programs at DOE Sites," will be conducted. Applicant selected will be subject to a Federal background investigation, required to participate in subsequent reinvestigations, and must meet the eligibility requirements for access to classified matter. Successful completion of a counterintelligence evaluation, which may include a counterintelligence-scope polygraph examination, may also be required. Reference 10 CFR Part 709, "Counterintelligence Evaluation Program."

MSTS is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status or other characteristics protected by law. MSTS is a background screening, drug-free workplace.

Annual salary range for this position is: **$79,393.60 - $119,100.80.**

Starting salary is determined based on the position market value, the individual candidate education and experience and internal equity.