

Engineers of All Disciplines

Electrical Design Engineer

DUTIES

Provide design engineering staff augmentation support to . Primary responsibilities include engineering analysis, construction support, walkdowns, design development and generation of design output documents including but not limited to: Single Line Drawings; Electrical Equipment Lists; Control System Design; Control Schematics and Connection Diagrams; Electrical Equipment Specifications; Bulk Material Specifications; Circuit/Raceway/Wiring/Connection Design; Grounding; Heat Tracing; Fire Detection; Short Circuit Calculations; Arc Flash Incident Energy Analysis; Load Flow Analysis; and Electrical System Sizing Calculations.

Engineering services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS

Education:

BS Degree in Electrical Engineering or current registration as a Professional Engineer in Electrical Engineering

Experience/Skills:

Candidate must demonstrate ten years of design experience (within the last 15 years) in the nuclear or chemical process industry and possess a working knowledge of NEC, IES, NFPA, IEEE, and OSHA requirements. Proficient using 2D Computer Aided Drafting and Design (CADD) software (preferably MicroStation). Candidate must have experience using software (preferably ETAP) to generate electrical system calculations.

Candidate must be able to perform weekly field walk downs of the job site for the engineering work being performed. These walk downs may involve construction sites with uneven surfaces and work in progress, walking for distances of over half a mile, climbing of ladders to access remote areas, dressing out in protective clothing and environments where a respirator is required.

Previous Design Engineering or DOE facility experience is preferred.

Area Security Access:

The candidate must be able to obtain and maintain a DOE "Q" security clearance. An active DOE clearance is not initially required to perform assigned duties. After award, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("L" or "Q") within the past two years are preferred

US Citizenship Required: Yes

DUTIES:

Provide architectural staff augmentation support to . Primary responsibilities include analysis of existing facilities and space planning; development of design criteria, facility conceptual design, and construction drawings; fire protection design including fire barriers and penetration seals; coordination with structural, civil, mechanical, and electrical disciplines; materials research and specification development; building code research, analysis, and compliance; preparation of CSI specifications; vendor document reviews, construction oversight, and project closeout.

Architectural services shall be provided using processes and procedures. Programmatic guidance will be provided by

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REQUIRED QUALIFICATIONS:

Education:

BS Degree in Architecture and 10 years relevant work experience. Architectural Registration is preferred.

Experience/Skills:

The following experience/skills are required for this position:

1. Industrial experience in facility layout design for industrial type equipment and manufacturing.
2. Commercial practice experience
3. Familiarity with National Codes and Standards such as IBC, AISC, AWS, NFPA, OSHA, CFR and ABA.
4. Working knowledge of NFPA Life Safety Code 101
5. Knowledge of preparation of Construction Specification Institute (CSI) formatted specifications.
6. Passive Fire Protection Design Skills – Fire Barriers/Penetration Seals
7. Working knowledge of MicroStation CADD (AutoCAD experience with willingness to learn MicroStation is acceptable.)

The following experience/skills are preferred but not required for this position:

1. Facility security architectural experience.

2. Familiarity with cost estimating and quantity takeoffs.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE "L" security clearance. An active DOE clearance is not initially required to perform assigned duties. Afterward, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("L" or "Q") within the past two years are pre

Civil Site Designer

US Citizenship Required: Yes

DUTIES:

Provide Civil Site Designer staff augmentation support to . Primary responsibilities include site layout, site grading, and stormwater systems; surface design using 2D/3D Intergraph MicroStation and Bentley In-Roads; preparation of earthwork quantities; above ground and underground utilities including routing; and coordination and resolution of conflicts with site survey, design and construction personnel for field related activities.

Design services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS

Education:

Associate degree in a technical discipline and at least 8 years of civil site design experience or 10 years of civil site design experience.

Formal training in 2D/3D Intergraph MicroStation and Bentley in-Roads is preferred.

Experience/Skills:

Candidate must demonstrate significant, recent (within the last 3 years) civil site design experience utilizing 2D/3D Intergraph MicroStation and Bentley In-Roads software. Candidate must have the ability to produce design drawings for site layout, site grading (plan and cross sections), roadway layout and profiles, above ground/underground utilities, and stormwater drainage structures. Candidate must have ability to perform measurements and prepare earthwork quantities.

Candidate must be able to perform field walk-downs of the job site for the engineering work being

performed. These walk-downs may involve construction sites with uneven surfaces and work in progress, walking for distances over a half mile, climbing ladders to access remote areas, dressing out in protective clothing and environments where a respirator is required.

Previous Design Engineering experience is preferred.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE "Q" security clearance. An active DOE clearance is not initially required to perform assigned duties. After award, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("L" or "Q") within the past two years are preferred

won't want to miss out on this great opportunity!

RFQ Number 483030 Civil Structural Design Engineer

US Citizenship Required: Yes

DUTIES:

Provide design and construction oversight of structural engineering tasks to . Structural engineering tasks include: analysis of structural systems for both static and dynamic loads using manual computation and computer programs; design of concrete structures; design of steel, aluminum, stainless steel, timber and composite structures; foundation and anchorage design; structural analysis for impact, overpressure, and other accident conditions; preparation of CSI specifications; and review of vendor documents.

Engineering services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS

Education:

BS Degree in Civil Engineering or current registration as a Professional Engineer in either Civil or Structural Engineering.

Experience/Skills:

Candidate must demonstrate a minimum of ten (10) years experience in design and analysis of nuclear or industrial facilities.

Candidate must demonstrate working knowledge of STAAD. Candidate must demonstrate working knowledge of National Codes and Standards such as IBC, AISC (ASD and LRFD), ACI, AWS, NFPA, and OSHA. Candidate must be able to perform field walk-downs to document as-installed conditions.

Experience in 2D Microstation Computer Aided Drafting and Design (CADD) is preferred.

Previous design engineering experience is preferred.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE "L" security clearance. An active DOE clearance is not initially required to perform assigned duties. Afterward, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("L" or "Q") within the past two years are preferred.

QA Engineer

DUTIES

Provide support for review of large and/or complex equipment and/or system modification, and facility construction work packages:

- Provide oversight of quality and technical reviews of MOX Civil Construction work packages performed by quality control engineers.
- Provide construction work package quality and technical review.
- Analyze quality control engineers' reviews of design scope and quality execution of work packages used to construct the MOX Complex facilities.
- Verify recorded discrepancies discovered during work package design and execution reviews.
- Resolve discrepancies discovered during work package design and execution reviews.
- Other duties as assigned by management.

Services shall be provided using processes and procedures. Programmatic guidance will be provided by . Most of the work will be performed using the MOX Documentum document control system and associated databases.

REQUIRED QUALIFICATIONS

Education:

Bachelor's Degree and 10 years quality control / assurance experience or 20 years quality control / assurance experience.

Experience/Skills:

Practical experience in quality control, quality assurance, work control, materials management, civil/structural, mechanical, maintenance, construction or related areas preferred.

Candidate must be able to perform weekly field walk-downs of the job site for engineering work being performed. These walk-downs may involve construction sites with uneven surfaces and work in

progress, walking for distances over a half mile, and climbing ladders to access remote areas.

Candidate must have:

- The ability to monitor and validate quality of work package / construction reviews for the MOX facility.
- Experience in quality control / assurance execution in Nuclear facilities especially the MOX facility.
- Practical knowledge of Nuclear facilities construction and operations, especially the MOX facility.
- Experience in the development, review, issuance, and execution of work control packages.
- Interpersonal skills as to establish and cultivate positive working relationships and interfaces with both internal and external customers.
- Demonstrate knowledge of DOE, , and operating policies, rules, and regulations preferred.
- Experience with MOX Documentum, Microsoft Word, Microsoft Excel, and Adobe is required.
- Experience with Bentley MicroStation is desired but not required.
- Previous and / or MOX experience and working knowledge of and / or MOX processes and procedures is required.

Work Hours:

A 40-hour work week is scheduled. The work schedule for this task is 4/10s (10 hours/day; four days per week). **Must be available and willing to work up to 10 hours Overtime per week.** Workweek excludes holidays. Each workday has a 30-minute unpaid lunch.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE “Q” security clearance. An active DOE clearance is not initially required to perform assigned duties. After award, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance (“L” or “Q”) within the past years are preferred.

RFQ513212 Nuclear Safety Engineer

US Citizenship Required: Yes

Fellow Nuclear Safety Engineer

DUTIES

Support the Nuclear & Criticality Safety Engineering organization in the development, review, and implementation of nuclear safety documentation for various facilities. Provide technical assistance in developing and reviewing nuclear safety documents and analyses, technical safety requirements, and related technical support documentation. Ensure that the developed nuclear safety documentation complies with requirements and as necessary, applicable controls are implemented in field procedures. Conduct Nuclear Safety Program assessments and maintain program manuals.

Services shall be provided using processes and procedures. Programmatic guidance will be provided by

REQUIRED QUALIFICATIONS

Education:

BS degree in Engineering, Math, or Science. Advanced degrees preferred.

Experience/Skills:

Candidate must demonstrate a minimum of 15 years of recent experience in the nuclear safety industry through support of the Department of Energy (DOE) or the commercial nuclear industry. Alternate combination of education and experience will be considered where candidate has an advance degree. Previous experience with the use and implementation of 10 CFR 830, DOE O 413.3, DOE O 420.1, and related directives and standards is required. Previous experience in developing, reviewing, and maintaining safety basis documents is preferred. Candidate must demonstrate personal accountability for facility/project schedules, deadlines, budgets, and the safe performance of work; and proficiency in performing Nuclear Safety Program assessments. Demonstrated previous nuclear safety engineering experience is preferred.

Work Hours: A 40-hour work week is scheduled. utilizes various work schedules; including 5/8s (8 hours/day; five days per week), 4/10s (10 hours/day; four days per week), and 9/80s (9 hours/day, five days on week A and 4 days on week B). Work week excludes holidays. Management will determine best schedule depending on work needs. Each workday has an unpaid 30-minute lunch break. **Extended work hours and workdays are to be expected with this position.**

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE "Q" security clearance. Supplier shall possess a positive FOCI determination from DOE which includes the "Q" security clearance level. An active DOE clearance is not initially required to perform assigned duties. After award, the selected candidate will be notified when to apply for a clearance based on work assignments. Candidate who has had an active "L" or "Q" clearance within the past two years is preferred.

509922 Mechanical HVAC Design

US Citizen

DUTIES

Provide design engineering staff augmentation support to . Primary responsibilities include engineering analysis, HVAC design development and generation of HVAC design output documents including but not limited to calculations for equipment sizing, duct sizing, pressure drops, cooling tower sizing, heating and cooling loads, and air balancing. Will be responsible to create/modify piping and instrumentation diagrams; system descriptions; mechanical equipment lists; integrate with fire protection design; and vendor document reviews.

Engineering services shall be provided using processes and procedures. Programmatic guidance will be

provided by .

REQUIRED QUALIFICATIONS

Education:

BS Degree in Mechanical or Chemical Engineering or current registration as a Professional Engineer in Mechanical or Chemical Engineering

Experience/Skills:

Candidate must demonstrate a minimum of 10 years design experience in the field of HVAC related work. Working design experience of 5 years or more in a nuclear industry/facility is preferred. Candidate must demonstrate experience creating and revising HVAC design documentation in one or more of the following areas: Process Flow; Piping and Instrumentation Diagrams; System Descriptions; Mechanical Equipment Lists; Mechanical Equipment Sizing; Material Handling Design; Fire Protection Design; Sizing Calculations, and Vendor Document Reviews. Must be familiar with ASHRAE, ARI, NFPA, SMACNA National Codes and Standards.

Knowledge of nuclear confinement HVAC design and/or glovebox HVAC design is preferred.

Candidate must be able to perform weekly field walk-downs of the job site for engineering work being performed. These walk-downs may involve construction sites with uneven surfaces and work in progress, walking for distances over a half mile, climbing ladders to access remote areas, dressing out in protective clothing, and environments where a respirator is required.

Previous Design Engineering experience and working knowledge of design processes and procedures are preferred.

Area Security Access:

The candidate must have the ability to obtain and maintain a DOE "Q" security clearance. An active DOE clearance is not initially required to perform assigned duties. Afterward, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("L" or "Q") within the past two years are preferred.

Safeguard & Security Engineer

US Citizenship Required: Yes

Safeguard & Security Engineer

DUTIES:

Provide design engineering staff augmentation support to . Primary responsibilities include engineering analysis, walkdowns, design development and generation of design output documents for the following types of systems/facilities: intrusion detection, access control, CCTV, fiber optic cable, force protection, perimeter security, alarm monitoring, control stations, and entry control facilities.

Engineering services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS**Education:**

BS Degree in Electrical Engineering or current registration as a Professional Engineer in Electrical Engineering. Will consider five (5) years of related design experience (in addition to the required seven years of Safeguards and Security design experience) as equivalent to the education or registration requirements.

Experience/Skills:

Candidate must demonstrate seven (7) years safeguards and security design experience with recent, within last five (5) years, significant physical security design experience. Experience shall include knowledge of the technical, physical, and operational aspects of standard physical security system components such as sensors, door hardware, cameras, infrared detectors, access control card readers, network switches, fiber optic routers, etc. Candidate must demonstrate knowledge in application of NEC code requirements. Experience in 2D Microstation Computer Aided Drafting and Design (CADD) is required.

Candidate must be able to perform weekly field walk-downs of the job site for the engineering work being performed. These walk-downs may involve construction sites with uneven surfaces and work in progress, walking for distances over a half a mile, climbing of ladders to access remote areas, dressing out in protective clothing, and in environments where a respirator is required.

Previous experience with the DOE Electronic Safeguards and Security System (E3S) and Argus is preferred.

Area Security Access:

The ability to obtain and maintain a DOE "L" security clearance is required for this position. Preference will be given to qualified candidate(s) who currently possess an active DOE (L or Q) clearance and to qualified candidate(s) who have previously held a DOE clearance within the past five (5) years. After award, uncleared candidates will be given the opportunity to apply for a DOE clearance.

499947**Electrical Design Engineer**

US Citizenship Required: Yes

DUTIES:

Provide design engineering staff augmentation support to . Primary responsibilities include engineering analysis, construction support, walkdowns, design development and generation of design output documents including but not limited to: Single Line Drawings; Electrical Equipment Lists; Control System Design; Control Schematics and Connection Diagrams; Electrical Equipment Specifications; Bulk Material Specifications; Circuit/Raceway/Wiring/Connection Design; Grounding; Heat Tracing; Fire Detection; Short Circuit Calculations; Arc Flash Incident Energy Analysis; Load Flow Analysis; and Electrical System Sizing Calculations.

Engineering services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS:

Education:

BS Degree in Electrical Engineering or current registration as a Professional Engineer in Electrical Engineering

Experience/Skills:

Candidate must demonstrate ten years of design experience (within the last 15 years) in the nuclear or chemical process industry and possess a working knowledge of NEC, IES, NFPA, IEEE, and OSHA requirements. Proficient using 2D Computer Aided Drafting and Design (CADD) software (preferably MicroStation). Candidate must have experience using software (preferably ETAP) to generate electrical system calculations. Candidate must be able to walk down systems in the field.

Previous Design Engineering or DOE facility experience is preferred.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE "L" security clearance. An active DOE clearance is not initially required to perform assigned duties. After award, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("L" or "Q") within the past two years are preferred.

499574

I & C Design Engineer

US Citizenship Required: Yes

Duties:

Provide design engineering staff augmentation support to . Primary responsibilities include engineering analysis, walkdowns, design development and generation of design output documents including but not limited to: P&IDs; Control Logics; Loop Diagrams; Instrument Indices; Setpoint Lists; Instrument and Control Valve Specifications; DCS and PLC Design; Instrument Location and Installation Design; Panel Layouts; and Vendor Document Review.

Engineering services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS

Education:

BS Degree in one of the following disciplines: Mechanical Engineering, Electrical Engineering, Chemical Engineering, Nuclear Engineering, I&C Engineering or current registration as a Professional Engineer in one of the above disciplines. Will consider five (5) years of related design experience (in addition to the required 10 years design experience) as an equivalent to the education or registration requirements.

Experience/Skills:

Candidate must demonstrate ten (10) years of direct I&C design experience (within the last 15 years) in the nuclear or process chemical industry. Candidate must demonstrate design experience with process control instrumentation, PLCs and distributed control systems. Experience with 2D Computer Aided Drafting and Design (CADD) is required.

Candidate must be able to perform field walk-downs to document as-installed conditions.

Previous Design Engineering or DOE facility experience is preferred.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE "L" security clearance. An active DOE clearance is not initially required to perform assigned duties. After award, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("L" or "Q") within the past two years are preferred

: FIRE PROTECTION ENGINEER

US Citizenship Required: Yes

DUTIES

Provide fire protection technical support for the Fire Protection Program and operating facilities on site. Work at the direction of a Technical Lead Engineer and/or Fire Protection Engineering Manager. The duties will include:

- Work as a Senior Fire Protection Engineer (FPE) with demonstrated FPE subject matter expertise with industrial and nuclear Fire Protection suppression, alarms and detection requirements.
- Provide technical direction and guidance in the development and implementation of the Fire Protection Program. As assigned, prepare building fire hazards analysis (FHA) for specific buildings and/or projects.
- Develop and effectively utilize sound engineering principles and capabilities in the conduct of appropriate fire modeling, fire water and fire flow calculations.
- Evaluate and develop cost-effective, safe alternative solutions and approaches in problem solving field issues in order to maintain compliance with codes and requirements consistent with safe practices and operations.
- Develop and implement effective fire protection designs for compliance with fire codes, standards, and regulations.
- Provide technical support/guidance to facility management and staff on all fire protection related issues including but not limited to installation, inspection, maintenance, and operations of fire protection systems and components.
- Conduct facility evaluations/assessments for compliance with procedures and fire protection codes and standards, identify deficiencies, recommend corrective actions and provide the necessary technical support to resolve issues. Evaluate alternate means and methods for achieving code compliance.
- Assist in the identification of consistent fire system inspection and testing program that satisfies the intent of the National Fire Codes, S/RID and DOE requirements.
- Develop and maintain a working knowledge and understanding of 2Q "Fire Protection Program

Manual".

- Have a strong working knowledge of National Fire Protection Association Codes and IBC regulatory requirements, as well as experience. A strong understanding of Fire Protection requirements compliant in DOE Orders (e.g. 420 series and DOE-STD-1066-2012 is preferred.
- Candidate must be capable of becoming Radiological Worker qualified to remain in this position.

REQUIRED QUALIFICATIONS

Education:

BS in accredited Fire Protection Engineering curriculum or candidate must be a registered professional engineer in fire protection. Master of Science in Fire Protection Engineering degree preferred.

Experience/Skills:

Candidate shall have a minimum of 7 years of experience in Fire Protection Engineering. Candidate must demonstrate familiarity with DOE orders/Guides and requirements with regards to fire safety as well as knowledge of NFPA codes and standards. Additionally, candidate shall have the ability to produce written documents with clearly organized structure and grammar and the ability to operate Windows Microsoft Office applications. Candidate shall be able to communicate orally with management, facility personnel, and DOE customers regarding fire protection issues and be able to perform walk down systems in the field.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE " L " security clearance. An active DOE clearance is not initially required to perform assigned duties. Afterward, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active clearance (L or Q) within the past two years are preferred.

ENVIRONMENTAL COMPLIANCE & AREA COMPLETION

DUTIES:

Provide design engineering staff augmentation support to . Primary responsibilities include engineering task analysis, walk-downs, design development and generation of design output documents including but not limited to: environmental remediation systems, deactivation, and decommissioning projects, engineering analyses, analysis of structural systems for both static and dynamic loads, design of structures of various materials, foundation and anchorage design, structural analysis for impact, and other accident conditions; piping and instrumentation diagrams, pressure protection specifications and standards, equipment & material specifications; & related construction specifications in accordance with national consensus codes and standards. Provide technical support to site construction forces, start-up & testing, suppliers or subcontract personnel. Prepare Data Sheets, Statements of Work, Scopes of Work, work Instructions, Procurement Specifications, Design Build Specifications, and Purchase Requisitions.

Engineering Services will be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS:

EDUCATION:

Candidate functioning as a Mechanical Engineer shall be a graduate of an accredited engineering curriculum.

EXPERIENCE/SKILLS:

Candidate must demonstrate ten (10) years of recent design experience, four (4) of which shall include process pressure protection. Candidate must possess a working knowledge of Codes and Standards applicable to process piping, such as ANSI/ASME B31.3. Experience with 2D MicroStation Computer Aided Drafting and Design (CADD) is preferred. Ability to use Windows Microsoft Office applications is required. Previous Design Engineering experience is preferred.

General knowledge of electrical / control systems, connection diagrams, layout plans, logic diagrams,

panel layout details, P & ID's and structure loading calculations and Deactivation and Decommissioning of Facilities (preferred).

Candidate must be able to perform field walk-downs of the job site for the engineering work being performed. These walk-downs may involve construction sites with uneven surfaces and work in progress, walking for distances over a half mile, climbing ladders to access remote areas, dressing out in protective clothing and environments where a respirator is required.

AREA SECURITY ACCESS:

A DOE Clearance IS NOT Required.

ENGR PROCUREMENT & ELECT/MECH CGD

US Citizen

DUTIES

Provide engineering staff augment support to the Engineering; Material Acquisition Engineering (MAE) organization. Responsibilities include: Ability to produce high quality, technically accurate and thorough CGD packages; Conduct CGD technical evaluations, peer reviews and package approvals; Perform Level 1 and 2 procurement requisition technical and quality evaluations; Assist with procurement process from point of acquisition initiation to end user delivery; Interpreting and applying Documented Safety Analysis (DSA) references; Determining and confirming equipment/component safety function; Identifying equipment/component performance requirements; Confirming functional classification and service conditions; Determine and document replacement item Like-for-Like or Equivalency; Perform Failure Mode, Failure Mechanism and Effect Analysis (FMEA); Identify and document component Technical Requirements, Critical Characteristics (CCs) and Acceptance Requirements; Identify dedication method(s) for verification of acceptance criteria; Perform CGD and Procurement document review, comment, comment resolution and approval process; Provide peer and junior CGD engineer mentoring, feedback and development; Conduct CGD peer reviews providing confirmation of quality, validating attention to detail, verifying requirement and procedure compliance, and meeting management defined expectations.

Engineering services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS

Education:

BS Degree in Electrical, Mechanical, Chemical, Civil or Nuclear Engineering and five (5) years DOE, DOD or NRC nuclear CGD and Procurement experience. Will consider HS Diploma and ten (10) years DOE, DOD or NRC nuclear Procurement and CGD experience as an equivalent to the education requirements.

Experience/Skills:

Candidate shall demonstrate five (5) or ten (10) years DOE, DOD or NRC nuclear Procurement and CGD experience commensurate with education criteria. Candidate shall demonstrate the ability to Qualify as an Electrical/Mechanical Procurement Engineer and Commercial Grade Dedication (CGD) Subject Matter Expert (SME). Engineer shall demonstrate proficiency in: Developing CGD packages; Component procurement processes; NQA-1-2008, Addenda NQA-1a-2009 CGD requirements; 10 CFR 830; DOE, DOD or NRC CGD and Procurement requirements and guidelines, and Electric Power Research Institute (EPRI) guides. Candidate shall be able to perform field walk-downs to verify as-installed conditions.

Candidate must be able to perform field walk-downs of the job site for the engineering work being performed. These walk-downs may involve construction sites with uneven surfaces and work in progress, walking for distances over a half mile, climbing ladders to access remote areas.

Candidate must demonstrate the following:

- Proficiency, experience and knowledge with procurement acquisition processes.
- Ability to effectively work in partnership with peers, Design Authority Engineers, Facility Engineering, Procurement, Quality Assurance and Test organizations.
- Ability to communicate clear, concise and accurate reports, evaluations, documents, procedures, reviews, comment resolutions, email and oral presentations.
- Ability to provide peer and junior CGD engineer mentoring, feedback and development.
- Ability to coordinate, interface and communicate with management, engineering, facility, operations, quality assurance and test personnel.
- Experience with computers and software: Microsoft Office (Word, Excel)

Work Hours:

Extended work hours and workdays are to be expected with this assignment.

Area Security Access:

An active DOE clearance is not initially required to perform assigned duties. Candidate must have the ability to obtain and maintain a DOE "L" security clearance. After award, the selected uncleared candidate, may be required to apply for a DOE clearance.

Construction Civil Field Engineer

US Citizenship Required: Yes

Security Clearance Required: Yes

Position Duties and Responsibilities

Provide construction engineering services in support of fabrication, installation, modification, and testing of various Civil activities/commodities performed by the Construction Department.

Primary duties and responsibilities associated with this position include:

Performing walk downs and constructability reviews of proposed installation/modification design.

Performing material take off for installations/modifications.

Procurement of construction field material for installations/modifications.

Developing work instructions and work plans for installations/modifications.

Performing job hazards analysis for installations/modifications.

Providing oversight and inspection of field installation/modification activities.

Performing post installation/modification evaluation to ensure completed work meets applicable design, specifications, codes and standards.

Developing as built drawings of piping systems.

Providing support of post installation/modification testing activities.

The successful candidate will be required to facilitate resolution of installation, schedule and technical issues which will require significant interface with multiple organizations including Construction Mgt., Subcontract Mgt., Quality Assurance/Quality Control, Operating Facility Systems Engineering, and Operating Facility Mgt. Resolving these issues will often require the successful candidate to exercise discretion and independent judgment in order to determine the appropriate path forward after the various possibilities have been considered.

Minimum Requirements

Education/General Experience:

Candidate must meet at least one of the following:

1. Technical Bachelor's degree and at least 5 years of related experience.
2. Technical Associate's degree and greater than 7 years of related experience.
3. A high school diploma / GED and at least 10 years of related experience.

Skills/Specific Experience:

Candidate must possess all of the following experience and/or skills:

1. Candidate must demonstrate a working knowledge of Civil/Architectural installation codes (IBC, ACI, AISC, OSHA, etc.).
2. Ability to develop installation/modification work instructions and work plans per Asset Suite.
3. Ability to perform job hazard analysis for construction activities.

Preferences

Previous experience is preferred. Performing work planning at , job hazards analysis utilizing procedures and requirements, and material procurement utilizing specific processes, programs, Procedures and systems is especially preferred.

Area Security Access

- A security clearance is not initially required; however, candidate must be capable of obtaining an L clearance if required to perform assigned duties.
- US Citizenship Required: Yes
- Candidates must possess a valid driver's license for daily utilization of government vehicles.
- Candidates must pass a fitness for duty exam ex.. Alcohol and drug screening,
- Candidate must qualify as a radiological worker and enter contaminated areas wearing the appropriate protective clothing ex....full and half face respirator, plastic hood / plastic suit.

- Candidate must be physically fit, able to withstand an outdoor environment and perform walk downs that may include climbing

Senior Engineer – Cyber Security

DUTIES

Support the customer's network requirements and mission needs. The Cyber Security Analyst is an integral role in a cross-functional team for unclassified and classified Operational Technology (OT) systems. Services shall be provided using processes and procedures. Qualified candidate will be responsible for the following duties and responsibilities, but are not limited to:

- Reviewing, preparing, and updating cyber security program documents in accordance with NIST Risk Management Framework and customer policy, procedures, and guidelines.
- Perform self-assessments to ensure compliance with cyber security controls.
- Perform risk management identifying, documenting risks, and mitigating risks.
- Oversee baseline configuration management compliance - conduct manual STIG checklists and remediation.
- Ensure OT systems and network nodes are operated, maintained, and disposed of in accordance with security policies and practices.
- Develop, deliver, and monitor compliance with security trainings as necessary.
- Provide leadership, mentoring, and quality assurance for team members as a security expert.
- Manage and maintain required documentation and databases for both internal use and distribution.
- Assemble configuration management and Assessment & Authorization (A&A) packages to submit to ISSO and federal oversight.
- Support risk assessment and evaluation activities throughout the Security Authorization or site accreditation process.
- Identify and analyze existing OT Security processes and procedures to ensure it meets new OT security goals and objectives.

Education:

Associate Degree in Computer Science, Engineering, Information Technology or similar discipline and 12 years of professional experience in a technical role. In lieu of degree, a high school diploma with typically greater than 16 years of equivalent knowledge and experience is acceptable.

Experience/Skills:

- Certifications such as: Security+, CASP+, GIAC Certifications, CISSP preferred.
- Extensive knowledge and experience with information security standards, policies and practices (e.g. NIST, FISMA,) preferred.
- Well versed with using vulnerability assessment tools (e.g. NISSUS, DISA STIG, SCAP) preferred.
- Knowledgeable with Systems Development Lifecycle (SDLC) methodologies and continuous monitoring activities preferred.
- Extensive experience analyzing information technology and system risk in complex environments and articulating results (verbal/reports) to all levels of management preferred.
- Demonstrated experience conducting security controls assessments and applying standard auditing

techniques during system security controls assessments, including the proper interpretation of the control requirements, determining if the artifacts provided are sufficient, and recommending remedial actions to the customer to ensure compliance.

- Ability to research and address information security issues as required, being an authority on the subject.

Work Hours:

A 40-hour work week is scheduled. utilizes various work schedules; including 5/8s (8 hours/day; five days per week), 4/10s (10 hours/day; four days per week), and 9/80s (9 hours/day, five days on week A and 4 days on week B). Workweek excludes holidays and each workday has a 30-minute unpaid lunch break. Management will determine best schedule depending on work needs.

Area Security Access:

Candidate must have the ability to obtain and maintain a DOE "Q" security clearance. Supplier shall possess a positive FOCI determination from DOE which includes "Q" security clearance level. An active DOE clearance is not initially required to perform assigned duties.

533407 Procurement Engineer: Procurement & Electrical/Mechanical Commercial Grade Dedication(CGD)

US Citizenship Required: Yes

DUTIES

Provide engineering staff augment support to the Engineering Technical Services (ETS) Material Acquisition Engineering (MAE) organization. Responsibilities include: Creating high quality, technically accurate and thorough CGD packages; Conduct CGD technical evaluations, peer reviews and package approvals; Perform Level 1 and 2 procurement requisition technical and quality evaluations; Assist with procurement process from point of acquisition initiation to end user delivery; Interpreting and applying Documented Safety Analysis (DSA) references; Determining and confirming equipment/component safety function; Identifying equipment/component performance requirements; Confirming functional classification and service conditions; Determine and document replacement item Like-for-Like, Equivalency or New; Perform Failure Mode/Mechanism and Effect Analysis (FMEA); Identify and document component Technical Requirements, Critical Characteristics (CCs) and Acceptance Requirements; Identify dedication method(s) for verification of acceptance criteria; Perform CGD and Procurement document review, comment, comment resolution and approval process; Provide peer and junior engineer mentoring, feedback and development; Conduct CGD peer reviews providing confirmation of technical quality determinations, validating attention to detail, verifying requirement and procedure compliance, and meeting management defined expectations. Engineering services shall be provided using processes and procedures. Programmatic guidance will be provided by .

REQUIRED QUALIFICATIONS

Education:

BS Degree in Electrical, Mechanical, Chemical, Civil or Nuclear Engineering and five (5) years DOE, DOD or NRC nuclear CGD and Procurement experience. Will consider HS Diploma and ten (10) years DOE, DOD or NRC nuclear Procurement and CGD experience as an equivalent to the education requirements.

Experience/Skills:

Candidate shall demonstrate five (5) or ten (10) years DOE, DOD or NRC nuclear Procurement and CGD experience commensurate with education criteria. Candidate shall demonstrate the ability to Qualify as an Electrical/Mechanical Procurement Engineer and Commercial Grade Dedication (CGD) Subject Matter Expert (SME). Engineer shall demonstrate proficiency in: Developing CGD packages; Component procurement processes; NQA-1-2008, Addenda NQA-1a-2009 CGD requirements; 10 CFR 830; DOE, DOD or NRC CGD and Procurement requirements and guidelines, and Electric Power Research Institute (EPRI) guides.

Candidate shall be able to perform field walk-downs of the job site for the engineering work being performed. These walk-downs may involve construction sites with uneven surfaces and work in progress, walking for distances over a half mile, climbing ladders to access remote areas, dressing out in protective clothing and environments where a respirator is required.

Candidate must demonstrate the following:

- Proficiency, experience and knowledge with procurement acquisition processes and CGD packages.
- Ability to effectively work in partnership with peers, Design Authority Engineers, Facility Engineering, Procurement, Quality Assurance and Test organizations.
- Ability to communicate clear, concise and accurate reports, evaluations, documents, procedures, reviews, comment resolutions, email and oral presentations.
- Ability to provide peer and junior engineer mentoring, feedback and development.
- Ability to coordinate, interface and communicate with management, engineering, facility, operations, quality assurance and test personnel.
- Experience with computers and software: Microsoft Office (Word, Excel)

Work Hours:

A 40-hour work week is scheduled. utilizes various work schedules; including 5/8s (8 hours/day; five days per week), 4/10s (10 hours/day; four days per week), and 9/80s (9 hours/day, five days on week A and 4 days on week B). Workweek excludes holidays. Management will determine best schedule depending on work needs. Each workday has an unpaid 30-minute lunch break. **Extended work hours and workdays are to be expected with this assignment.**

Area Security Access:

An active DOE clearance is not initially required to perform assigned duties. Candidate must have the ability to obtain and maintain a DOE "L" security clearance. After award, the selected uncleared candidate, may be required to apply for a DOE clearance. Supplier shall possess an active "Verification of FOCI" that includes the candidate being submitted for this position.

SENIOR PROJECT ENGINEER

US Citizenship Required: Yes

DUTIES:

Candidate shall provide services to the Project Management leadership team and implement and carry-out the various strategic, tactical, and operations as they relate to the Tritium mission. Duties require coordinating all engineering aspects of a modification, act as the control account manager for all engineering and design activity; to include receiving scope, budget, and schedule direction from the Project Manager. In addition to these duties the candidate is to act as an Agile Product Owner (APO); and will report to the Project Director and collaborate with the Project Management team and Scrum Master for all day-to-day coordination of all engineering aspects of Agile Product deliverables as they relate to Scrum events.

Duties as an APO include but are not limited to:

- Identifying and prioritizing Product Backlogs.
- Collaborating with the Tritium team on; Sprint goals, Sprint forecasts, development and prioritization of Speed Backlog. Afterwards either accepting or rejecting the Sprint results; as well as providing feedback
- Collaborating with the Tritium team and stakeholders on Product Backlog development, priority, improvement ideas, etc. while ensuring the Product Backlog is visible, transparent, and clear to all
- Collaborating with our customers as needed to ensure success
- Be able to provide feedback to Tritium team regarding performance and process and a product's level of completeness and readiness to "ship"; and as needed ensure responsiveness to changes
- Ensure early and continuous customer/stakeholder involvement and effective communications
- Ensure that the process remains iterative and adaptive in order to maintain agility; will aid in the removal of institutional barriers that affect team performance; i.e. disagreements between different functions, project requirements, or anything keeps projects from moving forward.
- Take a role in delivering and providing value to Stakeholder, customer, and sponsor expectations
- Owns the strategic vision and roadmap; presents the "need" for the product

Candidate will also aid leadership team in Project development and the implementation thereof with respect to facilities, personnel and other initiatives. Promote these same on broad basis at , within the DOE complex, and in the commercial and university segments of the U.S. economy, and internationally. Provide aid to the Project and Engineering Management team on Project initiatives.

REQUIRED QUALIFICATIONS:

Education:

Bachelor of Science degree in a technical area with 25 years broad experience in; engineering, operations, project management, defining and planning scope, sequencing and activity planning, resource planning, developing schedules, time estimating, cost estimating, developing a budget, documentation, risk analysis, risk management, monitoring and reporting progress, team leadership, strategic influencing, working with customers and vendors, and quality or a Masters Degree in a technical area or a Master of Business Administration with 20 years broad experience as described above.

Experience / Skills:

- Candidate must possess a minimum twenty (20) years' experience in project and cost management and planning.
- Candidate must have strong problem solving, analysis and interpersonal skills as well as oral and written communication skills.
- Candidate must have ability to develop, control, and collaborate with team, stakeholders, and vendors on project and product requirements to support related strategies and initiatives.

- Candidate must possess knowledge and experience working with customers in order to fulfill tasks.
- Candidate shall demonstrate experience managing U.S. and International NNSA related projects and have a unique knowledge of the tritium infrastructure and the requirements to support sustainment of tritium production capability.
- Computer Experience (proficiency) in basic software applications to include but not limited to; Microsoft Office Suite (Excel, PowerPoint, and Word).

Work Hours:

Nominal 32 hours /week or 40 hrs/week. Flexible schedule to accommodate SRTE management needs.

Area Security Access:

The candidate must be able to obtain and maintain a DOE specific work assignments. Candidates who have possessed an active DOE clearance ("Q") within the past two years are preferred.

"Q" security clearance. An active DOE clearance is not initially required to perform assigned duties. After award, the selected candidate will be notified when to apply for a clearance based on specific work assignments. Candidates who have possessed an active DOE clearance ("Q") within the past two years are preferred