

Structural Substation Engineer 3 – Remote United States

Date: May 9, 2022

Location:

US

Company: Black & Veatch Family of Companies

We believe real value is powered by the unique skills and experiences of our professionals. The interchange of ideas from a diverse group of people gives our teams an expanded perspective and the ability to find better solutions for our clients.

Company : Black & Veatch Corporation

Req Id : 63802

Job Title : Structural Substation Engineer 3 – Remote United States

Location : USVRTL

Business Unit Sector : COR-BVOPS-ENGR & DEV SVCS

Opportunity Type : Staff

Relocation eligible : No

Full time/Part time : Full-Time

Project Only Hire : No

Visa Sponsorship Available: Yes

Job Summary

As a Civil/Structural Substation Engineer you will support global transmission projects performing design engineering and analysis on substation project work. Collect and assimilate data for engineering work. Perform research and prepare calculations in accordance with Black & Veatch and industry standards. Develop recommendations for equipment and materials. Understand and work successfully within budget, project schedule, and quality requirements. May assist with providing guidance to engineering team members. Maintain positive client relations understanding client interests and drivers through effective communication with the project team. May assist with business development activities.

Black & Veatch delivers conventional, renewable, sustainable, reliable and integrated power solutions to customers. We are an organization of highly skilled professionals delivering data-driven and strategic planning, consulting, engineering, construction, program management and combined EPC solutions. We are dedicated to innovation and staying up to date with technology advancements and have a desire to help our clients navigate changing demands and regulatory compliance, while providing a cost-effective competitive advantage.

Key Responsibilities

Engineering Standards:

+ Continues to learn and remains current on departmental design guides, standards, systems,

applicable engineering codes and Black and Veatch policies and procedures

- + Applies to assigned tasks as appropriate

Quality / Continuous Improvement:

- + Begins to independently apply knowledge and complies with Black and Veatch quality program relative to assigned tasks

- + Supports continuous improvement and change management efforts

Engineering Production:

- + Prepares a variety of moderately complex engineering deliverables

- + Performs complex research and develops recommendations for equipment and/or materials selection

- + Collects, assimilates, and manages data for engineering work

- + Prepares complex engineering calculations following standard methods and principles

- + Understands and adheres to budget, schedule, and quality requirements

- + Recognizes, defines and resolves problems within assigned area

- + May provide direction and guidance to others

Project Coordination:

- + Assigns tasks to and coordinates with other internal/external team members on less complex projects

- + Initiates contact with other disciplines as needed to identify and coordinate details of the work

Client Focus:

- + Actively seeks to understand client interests and drivers through normal client contact and through interaction and communication with project leadership

- + Applies understanding of client interests and drivers to their own behavior and performance of the work under his/her responsibility

- + May provide support to business development or pursuit activities

Knowledge Sharing, Innovation and Technology:

- + Shares current knowledge of latest technology and processes

People Management “ (supervision, career development, training, mentoring):

- + May assist with performance management process, mentoring, recognition, and any corrective actions required

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Management Responsibilities

Individual Contributor

Preferred Qualifications

+ The following experience would be preferred based on the work anticipated from the client:â€¢ Experience with the design of utility-scale electrical substations.â€¢ Structural design of electrical substation steel structures and their foundations.â€¢ Basic structural steel and concrete experience using 3D analysis and design software such as RISA 3D or STAAD Pro.â€¢ Basic foundation design experience using analysis and design software such as L-Pile and RISA Foundation, SP-Mats, and SP-Col.â€¢ Solid experience using EXCEL or similar spreadsheets and MathCAD design templates.

+ Learning on the Fly, Problem Solving, Intellectual Horsepower, Written Communications, Drive For Results, Informing, Listening, and Dealing with Ambiguity

+ Intermediate knowledge of engineering design principles and applicable design guides and standards related to assigned engineering discipline

Minimum Qualifications

Requires a bachelorâ€™s degree in engineering from either a recognized accredited program in their home country or the country in which the professional is practicing. Minimum of 3 years related work experience All applicants must be able to complete pre-employment onboarding requirements (if selected) which may include any/all of the following: criminal/civil background check, drug screen, and motor vehicle records search, in compliance with any applicable laws and regulations.

Certifications

Work Environment/Physical Demands

Work Environment: Typical office/home office environment. Physical Demands: Sitting, talking, grasping, hearing, keyboard input, driving, seeing, writing, reaching, stooping, crouching, walking, standing for extended periods of time.

Some travel may be required to client sites.

Salary Plan

ENG: Engineering

Job Grade

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Black & Veatch is committed to being an employer of choice by creating a valuable work experience that keeps our people engaged, productive, safe and healthy.

Our comprehensive benefits portfolio is a key component of this commitment and offers an array

of health care benefits including but not limited to medical, dental and vision insurances along with disability and a robust wellness program.

To support a healthy work-life balance, we offer flexible work schedules, paid vacation and holiday time, sick time, and dependent sick time.

A variety of additional benefits are available to our professionals, including a company-matched 401k plan, adoption reimbursement, tuition reimbursement, vendor discounts, an employment referral program, AD&D insurance, pre-taxed accounts, voluntary legal plan and the B&V Credit Union. Professionals may also be eligible for a performance-based bonus program.

We are proud to be a 100 percent ESOP-owned company. As employee-owners, our professionals are empowered to drive not only their personal growth, but the company's long-term achievements and they share in the financial rewards of the success through stock ownership.

By valuing diverse voices and perspectives, we cultivate an authentically inclusive environment for professionals and are able to provide innovative and effective solutions for clients.

Black & Veatch Holding Company, its subsidiaries and its affiliated companies, complies with all Equal Employment Opportunity (EEO) affirmative