

Job Title: Fire Protection Engineer

Requisition ID: 275153

- **Relocation Authorized: National - Family**
- **Telework Type: Part-Time Telework**
- **Work Location: New Albany, OH**

Bechtel Overview

Since 1898, we have helped customers complete more than 25,000 projects in 160 countries on all seven continents that have created jobs, grown economies, improved the resiliency of the world's infrastructure, increased access to energy, resources, and vital services, and made the world a safer, cleaner place.

Differentiated by the quality of our people and our relentless drive to deliver the most successful outcomes, we align our capabilities to our customer's objectives to create a lasting positive impact. We serve the Infrastructure; Nuclear, Security & Environmental; Energy; Mining and Metals; and Manufacturing and Technology markets. Our services span from initial planning and investment, through start-up and operations. Core to Bechtel are our values-ethics, safety, quality, people, culture, relationships, innovation and sustainability, and our covenants-integrity, respect, collaboration, trust, and delivery. They are what we believe, what customers expect, and how we deliver.

Project Overview

Bechtel is building a semiconductor manufacturing plant in New Albany, Ohio. Bechtel will design and build Phase 1 of the Ohio One project, a total of 2.5 million square feet, including 600,000 square feet of cleanrooms. Construction will require as much steel as eight Eiffel Towers and as much concrete as the tallest skyscrapers.

Bechtel will strengthen future economic development in the region by partnering with the North America Building Trades Unions and suppliers to create several thousand new jobs and work with local education organizations to implement new training programs that will support the future talent pipeline.

Position Summary

Bechtel is seeking a Fire Protection Engineer to support Project Cardinal within the Manufacturing and Technology Business Unit.

Responsibilities

- Perform work that involves conventional engineering practice but may include complex features such as resolving conflicting design requirements, unsuitability of conventional materials and/or difficult coordination requirements
- Coordinate engineering efforts in assigned areas between specialty and other engineering groups or disciplines, with the client, suppliers, and contractors and between other groups
- When delegated, assumes a lead technical role over other engineers or project subgroups for completing specific tasks
- Assists in on-the-job-training of assigned personnel and provides input for their performance evaluations
- Performs or assists in the performance of problem analysis and original design
- Reviews and checks work of subordinate engineers
- Reviews mechanical, fire protection, life safety systems design, and engineering studies prepared by other engineering firms
- Provide guidance and ensures engineering quality design and compliance with project requirements, local design guidelines, local codes, and standards of independent engineering firms that are carrying out the detailed engineering design
- Coordinate and visit jobsite as required, to resolve problems, interpret drawings and document and provide technical support during the construction phase
- Represent the client in technical meetings and Value Engineering analysis. Coordinates with other disciplines, consultants and attends project meetings
- Review contractors shop drawings, technical queries, and technical submittals to ensure compliance with design documents
- Understand customer requirements and converting them into design criteria for mechanical systems manufacturing process
- Develop schematic and conceptual designs for fire protection systems
- Produce key mechanical / fire protection engineering deliverables, including CADD models, drawings, specifications, and supporting calculations
- Managing engineering subcontracts with their design and delivery per contract requirements

Qualifications and Skills**Basic Qualifications**

- Bachelor's Degree in Mechanical Engineering or equivalent related field from an accredited institution and 2-4 years of engineering experience with experience related to fire protection / mechanical life safety systems in semiconductor / manufacturing facility
- Professional license or registration as a Mechanical Engineer
- Ability to work in the US without visa sponsorship

Additional Qualifications

- Experience in the design of mechanical systems including fire protection
- Experience in managing engineering subcontracts with design and delivery per contract requirements
- Knowledge of codes and standards applicable to the design of mechanical systems including ASHRAE, ASME, IBC, IMC, and NFPA
- Knowledge on semiconductor manufacturing design process as an advantage for all positions
- Detailed knowledge of and experience working with NFPA standard 318 and IFC Chapter 27
- Knowledge of and experience with insurance guidelines for semiconductor manufacturing facilities such as FM Data Sheet 7-7 and FM global standards 4910 and 4922
- Ability to review and manipulate CADD models
- Ability to communicate effectively, both orally and in writing
- Proven team player with the ability to work effectively within a team

#LI-Hybrid

#LI-AM3

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#LI-FR1 #LI-Onsite

Shaping tomorrow together

Bechtel is one of the most respected global engineering, construction, and project management companies. Together with our customers, we deliver landmark projects that foster long-term progress and economic growth. Since 1898, we've completed more than 25,000 extraordinary projects across 160 countries on all seven continents. We operate through four global businesses: Infrastructure; Nuclear, Security & Environmental; Energy; and Mining & Metals. Our company and our culture are built on more than a century of leadership and a relentless adherence to our values, the core of which are safety, quality, ethics, and integrity. These values are what we believe, what we expect, what we deliver, and what we live.

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Bechtel is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity and expression, age, national origin, disability, citizenship status (except as authorized by law), protected veteran status, genetic information, and any other characteristic protected by federal, state or local law.

In accordance with Bechtel's duty to provide and maintain a safe workplace for our employees and to safeguard the health of our families, customers, and visitors, we have adopted mandatory COVID-19 safety protocols for each work location, which may include a vaccination or testing requirement. Please speak with your Bechtel recruiter to determine which protocols apply to the work location for the job you are seeking.