

Joining Arup

At Arup, you belong to an extraordinary collective – in which we encourage individuality to thrive. Our strength comes from how we respect, share and connect our diverse experiences, perspectives and ideas.

You will have the opportunity to do socially useful work that has meaning – to Arup, to your career, to our members and to the clients and communities we serve.

Our East Geography (Washington, D.C., Boston, New York) is seeking a Fire Protection Engineer in the Arup's fire protection engineering practice in the Americas.

This position will work closely with leading architects/engineers, process designers, end-users and building developers/owners, and will provide innovative, facility-specific, and performance-based solutions for a wide range of projects spanning commercial, property, healthcare, government, and institutional markets. The successful candidate will complement our fire protection engineering team contributing to technical engineering services on our projects and assist in managing ongoing projects.

The America's fire and life safety team forms an integral part of the global fire engineering team which spans around the globe. The role will involve interactive and collaborative working with our fire engineers and multi-disciplinary colleagues. The projects will be diverse, exciting and range from conceptual fire strategy development to delivery of landmark projects in the built environment.

The Opportunity

In this role you will provide fire protection and life safety consulting engineering services to a variety of potential clients, such as architects, developers, owners, government and insurers, including:

- Perform dynamic egress modeling
- Develop structural fire calculations
- Provide consulting for life safety, building, and fire code compliance
- Contribute to the development of prescriptive and performance-based design strategies
- Work alongside senior engineers to incorporate fire and life safety strategy concepts into the design and review
- Create life safety drawings for conformance with the life safety
- Develop fire alarm, detection, and fire suppression systems design documents and specifications
- Perform smoke control analysis and fire modelling
- Perform risk assessments
- Perform hazardous material analysis for code compliance, including but not limited to hazardous material classifications, quantity analysis, and inventory management strategies
- Knowledge of hazardous material occupancy code requirements, including the concepts of control areas, laboratory units, and/or high hazard occupancies

- Perform project site visits and communicate with architects, contractors and consulting teams
- Prepare and present technical reports and presentations to project stakeholders
- Contribute to client proposals

The Skills

- A minimum of 2 years of professional working experience in Fire Protection Engineering.
- Bachelors or Masters degree in Fire Protection Engineering. Candidates with degrees in related fields will also be considered, such as Chemical Engineering.
- EIT license in fire protection engineering is desired.
- Initiative, enthusiasm, eagerness to learn.
- Strong communication skills essential for team-based working.
- Excellent planning and organization skills.
- Strong presentation skills and ability to convey technical findings and solutions to owners, user groups and design teams.
- Working knowledge of relevant software, including Office suite of software, FDS, AutoCAD / Revit.

Candidate must be eligible to work in the United States without the need for employer sponsored work authorization now or in the future

Please note that all applicants must apply directly via the job portal. If this role is not quite what you are looking for, but you are interested in other opportunities for a future with purpose, please sign up to our [Talent Community](#) is where you will be kept up to date with roles suitable for you to shape a better world.

The Benefits – What we offer you

At Arup, we care about each member's success, so we can grow together.

Guided by our values, we provide an attractive total reward package that recognizes the contribution of each of our members to our shared success. As well as competitive, fair and equitable pay, we offer a career in which all of our members can belong, grow and thrive – through benefits that support health and wellbeing, a wide range of learning opportunities and many possibilities to have an impact through the work they do.

We are owned in trust on behalf of our members, giving us the freedom, with personal responsibility, to set our own direction and choose work that aligns with our purpose and adds to Arup's legacy. Our members collaborate on ambitious projects to deliver remarkable outcomes for our clients and communities. Profit Share is a key part of our reward, enabling members to share in the results of our collective efforts.

Benefits that Work - At Arup, we have a comprehensive and valuable benefits program that works for our employees and their families while keeping costs low. These benefits provide health and welfare security for you as well as paid time off for rest and renewal. As a member

of Arup, everyone shares in our success through a global profit share scheme (payments are dependent on the firm's financial performance). Our Global Profit Share Plan (paid bi-annually) provides an opportunity for you to share in the success of the Firm. As a valued employee of Arup, you can also choose to participate in our 401(k) plan with up to 10% company match to help you save for your future

Flexible Working - We believe that flexible arrangements create a more inclusive way of working that supports our diversity and the wellbeing of our people. Options for alternative schedules and the ability to work outside of the office for a portion of your workweek are available

Hiring Range: The good faith base salary hiring range for this job performed in New York is \$78,800 and \$103,000. Benefits are not included in the base salary range. Summary of benefits are included in this posting with details provided to applicants at the time of interview. Please note hiring ranges for candidates performing work outside of New York will differ.

Life at Arup – Different People, Shared Values

Arup is an equal opportunity employer that actively promotes and nurtures a diverse and inclusive workforce. We welcome applications from individuals of all backgrounds, regardless of age (within legal limits), gender identity or expression, marital status, disability, neurotype or mental health, race or ethnicity, faith or belief, sexual orientation, socioeconomic background, and whether you're pregnant or on family leave. We are an open environment that embraces diverse experiences, perspectives, and ideas – this drives our excellence.

Guided by our values and alignment with the UN Sustainable Development Goals, we create and contribute to equitable spaces and systems, while cultivating a sense of belonging for all. Our internal employee networks support our inclusive culture: from race, ethnicity and cross-cultural working to gender equity and LGBTQ+ and disability inclusion – we aim to create a space for you to express yourself and make a positive difference. Discover more about life at Arup at www.arup.com/careers/your-life-at-arup.

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Our application process

We will be reviewing our candidates for this position on a rolling basis. Once you have applied you will be evaluated and potentially moved on to the next round, at which point a member of the talent resourcing team will reach out to you directly.

Arup is an equal opportunity employer. All qualified applicants will receive consideration without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, spouse of protected veteran, or disability.

Stay safe online. Recruitment fraud is on the rise, and Arup's name, logo, and branding have been used in fraudulent job advertisements. Arup will never ask for bank information as part of our recruitment process.