

Job Title: Project Engineer
Reports to: Director
Job Purpose: Our growing team in New York is looking for a Project Engineer who shares our passion for creative design and problem solving.

Eckersley O'Callaghan is one of the most innovative engineering design firms in the world, with a global reputation cultivated through a commitment to research and creative thinking. We enjoy working with a range of materials, forms and building types across diverse sectors and project scales to deliver imaginative solutions. Our multiple award-winning collaborations with forward-thinking architects such as Foster + Partners, Zaha Hadid Architects and Heatherwick Studio, for clients that include Apple, Google, Vitsoe and Bulgari, have placed us at the forefront of design in structures and facades. Our commitment to sustainability, digital design, and continuous research and development remains at the core of our approach.

We offer a stimulating work environment with enthusiastic, intelligent, hard-working colleagues, and support personal development through training and project opportunities. Our principal office is in London, with other offices in Manchester, Paris, Milan, New York, Los Angeles, San Francisco, Delhi, Hong Kong, Shanghai and Sydney.

DESCRIPTION

We are looking for people with the following:

- A strong interest in architecture, structural and facade engineering and building physics is essential.
- A Bachelors or Masters Degree in Engineering or Architecture
- Aptitude in the engineering aspects of structures, facades and product design
- Good communication skills are essential
- Candidates will preferably be based in the US although EOC will consider applicants outside of the US and those requiring sponsorship.

ADDITIONAL SKILLS AND EXPERTISE

- An interest in digital modelling and FEA analysis
- Introductory knowledge of primary structure, facade systems and structural glass
- Exposure to a broad range of materials and technologies
- Interest in specialist engineering topics such as structural glass, seismic design, dynamic design, blast design, tensile structures, non-linear effects, detailed design
- Strong communication skills and collaborative approach
- Desire to develop professionally, take on responsibility
- Use of AutoCAD and the production of drawing sets and details
- Knowledge of Structural Analysis FEA software (Strand7, MEPLA, ETABS, Bentley), 3D modelling software (Rhino, Grasshopper, AutoCAD, etc) and Thermal Analysis (LBNL, Bisco, Bistra)
- A keen interest in Engineering & Architecture

PREFERRED ATTRIBUTES

- A strong motivation for sustainable design; experience in developing low-carbon designs (e.g. whole-life carbon assessments, solar and daylight assessments)
- A motivation for learning new programming languages
- A keen interest in architecture
- Experience in using Revit

WE OFFER

- A stimulating work environment with a smart, diverse and motivated set of colleagues
- A competitive benefits package
- Volunteer and outreach opportunities
- Flexible working around core hours
- Opportunities for continuing professional development including mentoring to chartership
- An internal training programme for employees at all levels
- Opportunities for career growth
- Opportunities to take part in internal R&D activities
- Collaboration opportunities with our international offices
- World-class projects with leading architects and collaborators