

**Job Title:** Project Engineer – Specialist Glass and Facade Structures  
**Reports to:** Group Director  
**Job Purpose:** We require a Project Engineer in our London office supporting the Structural engineering team

**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 good degree in structural engineering, and preferably a relevant postgraduate degree
- 2+ years' experience in facade design and detailing in a consulting or construction capacity
- A rounded knowledge of the engineering aspects of facade design, and detailing
- Good communication skills and collaborative approach
- Experience in the engineering aspects of non-standard facades, preferably with an emphasis on structural engineering
- Interest and experience in detailed analytical design
- Working knowledge of BS/EN standards
- A collaborative approach
- Ability to work under pressure and to deadlines
- A keen interest in architecture and a willingness to travel

### RESPONSIBILITIES

- Report to the specialist structures Group Director in London
- Working with the client, architect and other engineering consultants to determine the best facade design outcomes
- Proactively supporting projects internally, producing sketches, reports and specifications, coordinated with other parties, under the guidance of Senior Engineers
- Develop design solutions through the structural use of glass
- Demonstrate a working knowledge of structural analysis (FEM) software and 3D modelling software (Rhino, AutoCAD, etc)
- Proactively supporting projects internally, producing sketches, reports and specifications, coordinated with other parties, under the guidance of Senior Engineers
- Carrying out site inspections, factory visits, witnessing of mock-ups and testing and preparing technical reports
- Representing EOC at workshops, design team meetings and site meetings with our clients and collaborators
- Collaborating with other EOC team members; participating in knowledge sharing and producing technical notes
- Contributing to internal R&D initiatives
- Communicating with clients; managing external relationships
- Maintain up to date technical knowledge
- Use analytical software effectively and interpret the outputs well

- Highlight and look for solutions to potential problems

### **PREFERRED ATTRIBUTES**

- Working towards chartered membership of a relevant professional institution (CIBSE, RIBA, IStructE, ICE)
- Experienced in use of CAD software and 3D computer modelling tools
- Experience in projects from concept stage through completion
- Desire to develop professionally, take on responsibility and contribute to the growth of the practice
- Working knowledge of relevant design software, including for structural analysis, thermal bridging analysis and glass selection tools
- A keen interest in architecture and a willingness to travel
- Good organisational skills and the ability to cope with a variety of tasks
- A flexible, positive approach and the ability to work as part of a team in a busy, creative atmosphere
- Excellent interpersonal skills with the ability to communicate with people of all levels.

### **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