

**Job Title:** Senior Engineer – Specialist Glass and Facade Structures  
**Reports to:** Group Director

**Eckersley O'Callaghan** is seeking creative thinkers to join its growing team in London. EOC is one of the most innovative engineering design firms in the world. 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 the V&A, have placed us at the forefront of design in structures and facades. Our principal office is in London, with other offices in New York, Los Angeles, Paris, Hong Kong and Sydney. We currently employ around 85 staff in London and 30 in overseas offices. We have ambitious plans for continued future growth around the world.

### DESCRIPTION

Eckersley O'Callaghan is an award-winning structural, glass, facade and marine design engineering practice. Our main office is in London with other offices in New York, San Francisco and Paris.

We are looking for someone with the following:

- A good degree in engineering or architecture, and preferably a relevant postgraduate degree
- 4+ years' proven experience in either special structures, glass or facade design and detailing in a consulting or construction capacity
- Working knowledge of BS/EN standards
- Ideally a rounded knowledge of the engineering aspects of nonstandard building materials such as glass and facades
- Strong communication skills and collaborative approach
- Experience and understanding of the process, technical and financial aspects of project management
- Strong analytical skills and experience of undertaking complex FE analysis
- Good level of practical experience of working on projects through to construction stage

### KEY RESPONSIBILITIES

- Report to the specialist structures Group Director in London
- Represent Eckersley O'Callaghan at workshops, design team meetings and site meetings with our clients and collaborators
- Lead projects internally with colleagues to allow deliverables to be issued to the client.
- Coordinate with architect and other engineering consultants to determine the best design outcomes.
- Mentor and manage junior team members
- Contribute to production of internal technical notes and R&D initiatives
- Assist with preparation of fee proposals and expressions of interest.
- Monitor and report on team performance against agreed timelines, and fees/budgets
- Reviews own and others' work as part of quality assurance
- Uses their awareness of new materials and methods in consideration of client solutions.
- Maintains up to date technical knowledge
- Uses analytical software effectively and interprets the outputs well.
- Applies theory to practice and in a logical way.
- Highlights potential problems and ensures there is resolution.

### JOB KNOWLEDGE, SKILLS & EXPERIENCE

- Chartered (or nearly) membership of a relevant professional institution (CIBSE, RIBA, IStructE, SFE)
- Use of 3D modelling tools including Rhino and Grasshopper
- Working knowledge of relevant design software, including for structural analysis, building physics assessments and glass selection tools
- A keen interest in architecture and a willingness to travel
- Creative designer

- Someone who enjoys their work and is indisputably passionate about delivering great engineering
- Able to priorities own workload, meet tight deadlines and work effectively under pressure at times
- Able to build effective working relationships with professionals of all levels and disciplines within the organisation

#### **PERSONAL QUALITIES**

- 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.
- Can do attitude that drives for success