

Job Title: Project 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

We are looking for someone 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

KEY 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.

VISA APPLICATION DETAILS

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. KEY RESPONSIBILITIES. Report to the specialist structures Director in London and work under the guidance of the senior engineers. Work with the client, architect and engineering consultants to determine the best facade design. Proactively support projects, produce sketches, reports and specifications, coordinated with other parties. Develop design of the structural use of glass. Working knowledge of structural analysis (FEM) software and 3D modelling software (Rhino, AutoCAD, etc). Support projects internally, produce sketches, reports and specifications coordination. Undertake site inspections, factory visits, mock-ups and testing, preparing technical reports. Attend workshops, meetings with clients and collaborators. Collaborate, participate in knowledge sharing/technical notes and R&D initiatives. Communicate with clients; manage external relationships. Maintain up to date technical knowledge. Use analytical software effectively. Highlight and look for solutions to potential problems