

Job Title: Graduate Engineer – Specialist Glass and Facade Structures
Reports to: Group Director
Job Purpose: We require a Graduate Facade Engineer in our London office with a strong background in materials and facade system detailing.

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 someone with the following:

- A good degree, or equivalent professional experience, in structural engineering, and preferably a relevant postgraduate degree
- Some knowledge of or an interest in either special structures, glass or facade design and detailing
- Academic research or studies in facade design and detailing
- Good communication skills and collaborative approach
- Aptitude in the engineering aspects of non-standard facades, preferably with an emphasis on structural engineering
- Interest and experience in detailed analytical design
- Knowledge of EN standards
- A keen interest in architecture and a willingness to travel

RESPONSIBILITIES

- Report to the specialist structures Group Director in London
- Develop professionally, take on responsibility and contribute to the growth of the practice
- Hand sketching and use of CAD
- 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)
- Maintain up-to-date technical knowledge and share learning with colleagues
- Use analytical and modelling software to test and refine designs
- Apply theory to practice in a logical way
- Identify potential design challenges and propose solutions.
- Take an active role in professional growth and knowledge sharing within the team.

PREFERRED ATTRIBUTES

- 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 structured professional development and training programme with pathways to chartership.
- A stimulating and inclusive workplace with diverse, talented, and motivated colleagues.
- Flexible working options around core hours
- Opportunities for continuing professional development and mentoring.
- Access to research, innovation, and internal R&D initiatives.
- Collaboration opportunities with our international offices
- World-class projects with leading architects and collaborators
- A supportive environment that encourages career growth at all stages.