

Job Title: Graduate Facade Engineer
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 Masters level degree in civil/structural engineering, architectural engineering or building technology
- Interest in holistic building design and sustainable construction
- Introductory knowledge of facade systems and typologies
- Aptitude in the engineering aspects of facades, preferably with an emphasis on structural engineering
- Working knowledge of analytical design software for structural or building physics applications
- 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
- Desire to develop professionally, take on responsibility and contribute to the growth of the practice
- Can do attitude that drives for success
- A keen interest in architecture and a willingness to travel

RESPONSIBILITIES

- Working with the client, architect and other engineering consultants to determine the best facade design outcomes
- Communicating with clients, managing external relationships
- Producing sketches and using CAD to produce designs for facade details and interfaces
- Contributing to the production of technical design reports and specifications
- Carrying out site inspections, factory visits, witnessing of mock-ups and testing of facade systems
- Representing EOC at workshops and site meetings
- Collaborating with other EOC team members
- Developing own capabilities, skills and knowledge with the assistance of our facade training programme
- Participating in knowledge sharing and producing technical notes
- Participating in internal R&D and technical development
- Engage and contribute to EOCs knowledge sharing infrastructure

PREFERRED ATTRIBUTES

- Academic studies or research in facade design and detailing
- A strong motivation for sustainable design; experience in material LCA and whole-life carbon assessments
- Experience in solar analysis and daylight assessments
- Experience in programming language
- Experience in CAD software, Rhino and Grasshopper

WE OFFER

- A comprehensive graduate training programme
- 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