

Job Title: Senior Engineer – Specialist Glass and Facade Structures
Reports to: Group Director
Job Purpose: We are seeking an experienced Senior Engineer who is proficient in both English and Mandarin to join our London office.

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.

Eckersley O'Callaghan 是全球最具创新性的工程设计顾问公司之一，通过对研究和创意思维的执着承诺而享有国际声誉。我们热衷与各种材料、形式和建筑类型在不同领域和项目规模上合作，以提供富有想象力的解决方案。我们与前瞻性建筑师合作的多次获奖项目，如福斯特、扎哈·哈迪德建筑事务所和赫斯维克工作室，为苹果、谷歌、Vitsoe 和宝格丽等客户，让我们始终保持在结构和立面设计的前沿。

对可持续性、数字设计以及持续的研究与开发的坚持是我们设计核心。我们提供一个激发人才的工作环境，有着充满热情、聪明、勤奋的同事，并通过培训和项目机会支持个人发展。我们的总部位于伦敦，其他办事处分布在曼彻斯特、巴黎、米兰、纽约、洛杉矶、旧金山、德里、香港、上海和悉尼。

DESCRIPTION

We are looking for people 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 and other national standards
- Ideally a rounded knowledge of the engineering aspects of nonstandard building materials such as glass and facades
- Strong communication skills and collaborative approach
- Proficiency in Mandarin to effectively contribute to technical projects in the greater China market.
- Experience in project management with an understanding of the processes, we well as the technical and financial aspects
- Strong analytical skills and experience of undertaking complex FE analysis
- A good level of practical experience working on projects through to construction stage

职位描述

- 在结构工程或建筑领域有良好的学位，最好具备相关的研究生学位
- 在咨询或建筑领域有 4 年以上的特殊结构、玻璃或外立面设计和详图制作的经验
- 具备 BS/EN 标准和其他国家规范的工作知识
- 最好具备对玻璃和外立面等非标准建筑材料的工程方面的全面了解
- 出色的沟通技巧和合作方式
- 精通普通话，能够在更广阔的中国市场有效参与技术项目
- 具备项目管理能力、了解各个管理流程，具备技术和财务方面的经验和理解
- 出色的分析能力，有复杂有限元分析的经验
- 在项目的施工阶段具备丰富的实际工作经验

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, fees and budgets
- Reviews own and others' work as part of quality assurance
- Uses their awareness of new materials and methods when considering solutions for client
- 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 finds a solution

主要责任

- 向伦敦的专业结构小组主管报告工作
- 代表 EOC 参与与客户和合作伙伴的研讨会、设计团队会议和现场会议
- 与同事内部合作，主导项目以向客户交付成果物
- 与建筑师和其他工程咨询顾问协调，确定最佳设计方案
- 指导和管理初级团队成员
- 参与内部技术笔记和研发计划的制作
- 协助准备报价书和表达兴趣
- 监督并报告团队在约定时间和费用/预算方面的绩效
- 作为质量保证的一部分，审查自己和他人的工作
- 在考虑客户解决方案时，利用对新材料和方法的了解
- 保持最新的技术知识
- 有效使用分析软件并良好解读结果
- 以合力的方式将理论应用于实践
- 能够确定潜在风险并找出相应解决方案

PREFERRED ATTRIBUTES

- Good organizational 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

个人素质

- 出色的组织能力 · 能够应对各种任务
- 灵活积极的工作态度 · 能够在繁忙的创意氛围中与团队合作
- 卓越的人际交往能力 · 能够与各个层级的人进行有效沟通

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 charterhip
- 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

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- 指导和管理初级团队成员
- 参与内部技术笔记和研发计划的制作
- 协助准备报价书和表达兴趣
- 监督并报告团队在约定时间和费用/预算方面的绩效
- 作为质量保证的一部分，审查自己和他人的工作
- 在考虑客户解决方案时，利用对新材料和方法的了解
- 保持最新的技术知识
- 有效使用分析软件并良好解读结果
- 以合力的方式将理论应用于实践
- 能够确定潜在风险并找出相应解决方案