

Job Title: Facade Structural Engineer
Location: Noida
Reports to: Director

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

The Facade Structural Engineer will provide engineering for our facade design development across a variety of system types. We are looking for people with the following:

- Degree/Diploma in Structural Engineering or equivalent
- 3+ years of facade design experience (consulting or construction environment)
- Familiarity with international standards (CWCT, EN, ASTM, AAMA) and NBC/IS requirements
- Proficiency in Microsoft office (Excel, Word, PowerPoint) – for data processing and report writing
- Capability in FEA software (e.g. Strand7, or similar) – for modelling and analysis
- Knowledge of testing protocols (CWCT sequence, mock-ups)
- Basic CAD skills - AutoCAD for 2D Drawings; Rhino for 3D geometry
- Understanding of local codes in Hong Kong, Southeast Asia or the Middle East is a plus.
- Knowledge of thermal modelling software (e.g. FLIXO, THERM, WINDOW) is a plus.
- High standard of written and verbal English communication – technical report writing is a plus

RESPONSIBILITIES

Perform structural calculations for facade systems, including:

- Glass panels, aluminum cladding, steel/aluminum mullions, steel structures and transoms.
- Connections (welding, bolting, screwing, etc.).
- Embedment, anchor channel and anchor bolts
- Additional materials (if applicable): stone, UHPC, GRC, FCB, etc.

Prepare structural design reports, covering but not limit to:

- Basic design data (loads, load combinations, member connection types, support conditions).
- Hand-calculation processes.
- FEA model inputs/outputs (e.g., strength, deflection, stability).
- Sketch illustrations (hand-drawn, PDF markups, or CAD-based).
- Facade reaction forces on main structure

Review and check calculations from sub-contractors when needed.

PREFERRED ATTRIBUTES

- Motivated and committed to delivering high-quality design work
- Excellent interpersonal skills with the ability to communicate with people of all levels

- Good organisational skills and the ability to cope with a variety of tasks
- Adaptable and collaborative approach with the ability to work as part of a team in a busy, creative atmosphere

WE OFFER

- An inclusive workplace that values diversity, collaboration, and professional excellence
- Opportunities for continuing professional development and mentoring
- Access to research, innovation, and company R+D initiatives
- Collaboration opportunities with our international offices
- World-class projects with respected architects and collaborators
- A supportive environment that encourages career growth at all stages

Please email your CV and a covering letter with subject line 'EOC-IN-FSE' to: recruitment@eocengineers.com