

**Job Title:** 3D BIM Technician  
**Reports to:** Group Director  
**Job Purpose:** We require a 3D BIM Technician in our London office with a proven background in glass and steel structures.

**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 people with the following:

- A relevant qualification in CAD/BIM draughting related to building engineering or architecture
- 2+ years' experience in structural envelopes and facade detailing in a consulting or construction firm.
- A working knowledge of the principles of specialist structures, such as structural envelopes, glass and steel structures and facades.
- Excellent knowledge of 2D AutoCAD.
- Excellent knowledge of 3D AutoCAD, Revit, Dynamo, Rhino and Grasshopper.
- Knowledge of BIM design, including related protocols.
- Excellent IT skills and willingness to develop further knowledge of new CAD software.
- Experience with document control software.
- A collaborative approach.
- Excellent interpersonal and communication skills.
- Ability to work under pressure and meet deadlines.
- A degree in the field of civil / structural engineering is preferred.
- A high standard in written communication is expected. The role will involve developing and sharing best practice in facade detailing and maintaining a library of 'best practice' details.

### RESPONSIBILITIES

- Working with our engineers to develop 3D BIM models from schematic design stage through to contract stage.
- Producing 2D and 3D technical drawings in a clear and consistent visual 'house' style.
- Produce 3D technical sketches and visuals for reports and presentations.
- Maintaining a library of typical details, including a system of dynamic blocks for components.
- Assisting the group leadership team in developing a strategy for CAD production based on BIM and parametric tools.
- Collaborating with other EOC engineers and technicians to share best practice, coordinate with practice-wide CAD standards and protocols.
- Coordinating and combining 3rd party drawing information.
- Managing issue of drawings to relevant parties on a timely basis.
- Work on the CAD drawing weekly schedule.
- Being responsible for meeting agreed deadlines and managing time to meet programme.
- Working on defined tasks under limited supervision with some autonomy.
- Attendance at site meetings and technical meetings for each project when necessary.

- Maintaining an awareness of industry systems.
- All other duties that may be reasonably required.

#### **PREFERRED ATTRIBUTES**

- Knowledge of UK and international codes and standards relevant to facade detailing
- Experience in projects from concept stage through completion.
- Desire to develop professionally, take on responsibility and contribute to the growth of the practice.
- A keen interest in architecture and a willingness to travel.

#### **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 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