

Role summary

We have an exciting opportunity for a Mechanical Engineer within our environmental engineering team in London. You will be required to work autonomously and within a team on some of the best projects in the world.

Role Definition

Job title:	Mechanical Engineer
Reporting to:	Project Leader of assigned project, Line Manager, Partner and ultimately to the Senior Partner

Responsibilities

- To fully understand Mechanical systems design process and undertake mechanical engineering design activities relating to assigned projects.
- To fulfil the Practice's overall objective in leading to first class architecture and engineering on time and on budget
- To have thorough knowledge of, and comply with, company procedures and standards
- Contribute, or otherwise assist, as required
- Equity, diversity & inclusion (EDI) is a core priority. To support and champion the embedding of this focus as a collective workforce responsibility, EDI should be integrated, where relevant, into all workstreams.
- Thorough knowledge of and compliance with F+P procedures and standards

Qualities and Skills required

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country in which the position is based
- Have 2 to 4 years of previous mechanical engineering design experience
- Foundational technical understanding of building mechanical engineering discipline and an appreciation of the role of the environmental engineer within the design team
- Developing understanding of other engineering disciplines engaged in the design of the built environment
- Appreciation of building design and architecture with creative and innovative mindset
- Ability to work collaboratively within the integrated design process environment.
- To seek, and record evidence of, continuing professional development (CPD) in accordance with the requirements of the relevant professional Institution with objective of acquiring chartered status.
- Ability to use engineering software including experience of using Autodesk Revit and advanced knowledge of working with Microsoft Office software to be used for calculations, reports and presentations
- Willing to learn new software tools such as Adobe Creative Suite to create reports and presentation material
- Working knowledge of core technical guidance published by ASHRAE and CIBSE
- Able to negotiate and communicate well in English, including both spoken and written language plus an ability to listen and to understand others
- Ability to understand and formulate appropriate design decisions
- Excellent organisational skills
- Able to manage sensitive and sometimes confidential information
- Self motivated and able to take responsibility
- Able to demonstrate initiative and a proactive approach to daily tasks
- Good interpersonal skills and able to work independently and as part of an effective team

- Flexible attitude
- Able to build good relationships at all levels, internally and externally
- Resilient to cope with conflicting demands, able to prioritise duties and work effectively under pressure.
- Able to work as part of an effective team assisting and supporting team members

Desirable

- International project experience
- Aware of UK and International design standards
- Ability to use some of the following software applications: IES or other dynamic simulation tools, Adobe Creative Suite (Illustrator, InDesign, Photoshop etc), Bluebeam
- Additional languages, in particular: European mainland languages, Arabic, Mandarin

This description reflects the core activities of the role but is not intended to be all-inclusive and other duties within the group/department may be required in addition to changes in the emphasis of duties as required from time to time. There is a requirement for the post holder to recognise this and adopt a flexible approach to work. Job descriptions will be reviewed regularly and where necessary revised in accordance with organisational needs. Any major changes will be discussed with the post holder.