

## **Role summary**

We have an exciting opportunity for a Senior Building Services Mechanical Design Engineer to be part of our multidisciplinary engineering team in London. You will be required to work autonomously or with a team to develop the successful projects through clear strategy and proactive commitment nationally and internationally.

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## **Role definition**

**Job Title:** Senior Mechanical Engineer (Mandarin Speaking)

**Reporting to:** Partner on a day-to-day basis and ultimately the Senior Partner

## **Responsibilities**

- Represent the company in professional and diligent manner always
- To provide discipline leadership
- To adhere to the design process and undertake mechanical engineering design activities relating to the project
- To fulfil the Practice's overall objective in producing first class architecture and engineering on time and on budget
- To have thorough knowledge of, and comply with, company procedures and standards
- Review and management of project from inception to post construction duties
- Good Knowledge of relevant legislations, standards, regulations, guides and good practise
- To have thorough knowledge of and compliance with Foster + Partners procedures and standards
- To contribute and assist, as required by the Project Leader or Senior Partner, or nominated Engineer.

## **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
- Qualified as a Chartered Engineer
- Fluent in Mandarin and English (written and spoken)
- Solid technical understanding of own core engineering discipline and the role of the mechanical engineer within the design team
- Broad understanding of other engineering disciplines engaged in the design of the built environment
- Good understanding of UK Building Regulations and industry standard design reference material
- Ability to use initiative in response to demands of project
- Able to negotiate and communicate well in graphical, written or verbal forms including ability to listen and to understand others
- Ability to understand and formulate design decisions
- A flexible and open attitude towards new ways of working and a proven commitment to independent, lifelong learning

- Self-organized and motivated
- Developed problem-solving and analytical skills
- Good interpersonal skills and able to work independently and as part of an effective team
- 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
- Ability to use Autodesk Revit and Microsoft 'Office' suite

## **Desirable**

- International project experience
- LEED qualified or having working familiarity with environmental assessment methods
- Familiarity with ASHRAE design standards, including 55, 62.1, 90.1 etc.
- Ability to use some of the following software applications: IES, Energy Plus, Energy Pro, Adobe Creative Suite
- Coding in python, dynamo, grasshopper, C+
- Mandarin, Cantonese or mainland European language skills

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.

April 21