

## Role summary

Foster + Partners is an integrated architectural + engineering practice, committed to delivering sustainable and environmentally responsive projects that reflect the targets of The Paris Agreement.

Our teams are focused on delivering sustainable, net-zero carbon solutions, net positive water systems, climatically resilient responses, through designs that will provide protection of natural resources, the integration and expansion of green/ blue infrastructure, and providing sustainable urban planning for our projects around the world.

We are looking for a new member of our team to provide experience and enthusiasm in the delivery of innovative and sustainable solutions to all our projects around the world.

The ideal candidate will be experienced in the development of sustainability strategies and implementation plans, together with having a good understanding of how, and enthusiasm to, deliver on our net zero future. With a passion for sustainability and collaboration, you will be responsible for the development of environmentally responsive and sustainable designs and strategies for projects around the world.

## Role definition

**Job Title:** Senior Environmental Designer – Sustainable Planning, Policy and Strategy

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

## Responsibilities

- Provide leadership in the development and demonstration of net zero performance for Foster + Partner projects
- Provide research, consultancy and guidance on sustainable planning, sustainable policy and practices, master planning, benchmarking and environmental design.
- Providing input to project documentation, coordinating with relevant external agencies and stakeholders.
- Working effectively as part of an integrated project team comprising architects, urban planners, designers, engineers, analysts, consultants, stakeholders and clients.
- Develop and advance the role of sustainability through proactively exploring and developing best practice, training and communication within the Practice.
- Develop and support Whole Life Carbon strategies for projects – with consideration of both Operational and Embodied Carbon.
- Advise design teams on the integration of sustainable design solutions to shape architectural design and guiding appointed environmental engineering team.
- Support and advise on the completion of computational simulations to deliver improved performance in all aspects of the built environment, including energy performance, carbon, thermal comfort, microclimatic, and health and wellbeing.
- Advise and provide support to design teams, from the integration of environmental design concepts during the design stages to the detailed assessment and analysis of a building's operations.
- Liaise with other members of the team towards the integration of resource efficient solutions in shaping architectural form and operations - towards our Net Zero future, water efficient, material use that embraces the circular economy, and resilience.
- Devise methodologies for analysis and visualisation of specific environmental design challenges and their solutions.

- Continue to evolve the clear and informative representation of environmental design and sustainable approaches, including presentations, visuals/ diagrams, videos, and interactive reporting to both clients and Foster + Partner design teams.
- Support design development in compliance with Foster + Partners procedures and sustainability standards.
- Contribute, or otherwise assist, the delivery of projects as required.

### Qualities & Skills required

#### Essential

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country in which the position is based
- Clear and demonstratable experience in advanced Energy Modelling and Building Physics, notionally with 5 or more years of experience
- Undergraduate degree in an Architectural or Engineering related field and/ or Masters degree in Sustainable/ Environmental Design, or equivalent relevant experience.
- Chartered or Registered to a professional board or working towards this status
- Previous relevant experience in sustainability led policy or planning.
- Accredited professional in at least one of the following: LEED, BREEAM, ESTIDAMA, GSAS
- Broad knowledge of sustainable design themes, current and developing international sustainability policy frameworks.
- Knowledge of modelling approaches for Whole Life Carbon assessments.
- Understanding of bioclimatic, low-energy and passive design of buildings and developments.
- Knowledge of low and zero carbon technologies and their application to the built environment.
- Knowledge of EIA procedures, environmental engineering themes and workings of the construction industry, would be an advantage.
- Excellent research, data analysis, report writing capabilities and verbal communication skills.
- Understanding of current and evolving planning policy context in the UK, with the ability to apply this knowledge to overseas contexts.
- Enthusiasm to pursue sustainable strategies and design as a central part of the individual's career development.
- Good communication and presentation skills
- Able to demonstrate initiative and a proactive approach to daily tasks
- Ability to work with clarity to tight deadlines
- Excellent organisational skills
- Able to manage sensitive and sometimes confidential information
- Self-motivated and able to take responsibility
- Able to manage and prioritise tasks and time efficiently
- Good interpersonal skills and able to work independently and as part of an effective team
- Flexible attitude
- Able to build relationships at all levels, internally and externally

#### Desirable

- Practical experience of Computer Aided Design and 3D modelling, preferably Rhino and Revit
- Actively participating into the advisory groups of the leading energy modelling standards/guides such as LETI UK, NABERS, UK Net Zero Standard etc.
- Good Graphic and Illustrative skills

- Experience in the use of the following tools/ software packages: InDesign, Excel, Power BI etc
- Professional accreditation preferred: LEED, BREEAM, WELL, Estidama, GSAS, etc.

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.

Applicants should forward a CV and portfolio of no more than 10 pages.