

Role summary

To contribute to the Practice's Environmental design support, graphics, analysis, sustainable planning, master planning, benchmarking and strategic sustainability output for projects

Role definition

Job Title: Environmental Design Assistant

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

Responsibilities

- To provide design, research and graphical support to the integrated environmental and sustainable design of masterplans and building projects
- Advise and support design teams in the integration of environmental concepts, energy efficient/low carbon solutions and systems design, and the assessment of building performance
- To develop and present analysis, environmental design strategies and engineering solutions in the form of graphic representations, reports, images and presentation slides, for design teams internally and clients externally.
- Analysis and research of solar, daylight, energy, thermal and airflow aspects of both at masterplan and building scale.
- Support design teams in the use of environmental simulation tools, devise methodologies for analysis and visualisation of specific environmental design problems
- Assist in the maintenance and documentation of illustration standards such as working methods, animation libraries and archiving of final digital images
- Thorough knowledge of and compliance with Foster + Partners procedures and standards

Qualities and skills required

- Legally able to work in the country in which the position is based.
- Able to demonstrate the ability to undertake the above responsibilities.
- Undergraduate degree in an Architectural, Engineering or related field
- Master's or equivalent degree in Environmental and Sustainable Design/ Engineering field.
- Enthusiasm to pursue Environmental Design and Analysis as the central part of the individual's career development.
- Ability in hand drawing.
- Good understanding of environmental/sustainable design, low energy/ low carbon technologies and the built environmental and/or interest, and motivation to learn more.
- Good understanding of building physics.
- Proficiency in Adobe Photoshop, InDesign, Illustrator and PowerPoint to communicate ideas. Ability to use Internet Explorer, Word and Excel.
- Proficiency in environmental analysis tools/ software packages such as: Energy Plus, IES, eQUEST, RETScreen, and Grasshopper for Rhino.
- Proficiency in using air flow simulation packages (CFD)
- Excellent organisational skills.
- Excellent written and verbal communication skills.

- Good interpersonal skills and able to communicate with a range of people across the organisation.
- Able to manage and prioritise tasks and time efficiently, under pressure and to tight deadlines.
- Able to demonstrate initiative and proactive approach to tasks, willingness, enthusiasm and self-motivation in learning new skills and taking responsibility for deliverables.

Desirable

- Understanding of building services and mechanical systems.
- Proficiency in Computer Aided Design, preferably Microstation and/ or Revit or similar software
- Understanding of, or interest in learning, various Environmental Assessment procedures (BREEAM, LEED 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.

April 21