

Role Definition

Job Title: Environmental Design Analyst

Reporting to: Head of Specialist Modelling Group (SMG) on a day to day basis and ultimately to the Senior Partner

Objective: To assist on the Practice's environmental simulation and analysis work

Responsibilities:

- Conduct research and simulation on the solar, daylight, thermal, acoustic and airflow aspects of building design
- Advice and support design teams in the integration of environmental design concepts and the assessment of building performance
- Support design teams in the use of environmental simulation tools
- Devise methodologies for analysis and visualisation of specific environmental design problems
- Liaise with the other members of the Specialist Modelling Group towards the integration of environmental parameters on the generation of architectural form
- Analyse and recommend environmental design strategies for individual projects
- Thorough knowledge of and compliance with Foster + Partners procedures and standards
- Contribute, or otherwise assist, as required

Qualities and Skills required:

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country the position is based
- Good undergraduate degree in an Architectural or Engineering related field
- Masters degree in Environmental Design or equivalent relevant experience
- Comprehensive understanding of bioclimatic, low-energy and passive design of buildings
- Advanced knowledge of building environmental simulation software tools
- Understanding of Environmental Assessment procedures
- Proficient in Computer Aided Design, preferably Microstation
- Excellent graphic and communication skills
- Able to disseminate their research knowledge to the Practice
- Enthusiasm to progress Environmental Design issues as the central part of the individual's career development
- Able to manage and prioritise tasks and time efficiently
- Resilient to cope with conflicting demands
- Able to work under pressure and to tight deadlines
- 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
- Methodical and accurate and consistent attention to detail
- Excellent organisational skills
- Able to manage sensitive and sometimes confidential information
- Self motivated and able to take responsibility
- Flexible attitude
- Able to build good relationships at all levels, internally and externally

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.

December 2010