Job Title: Environmental Design Analyst (Daylight Specialist)
Reporting to: Head of Specialist Modelling Group (SMG) on a day-to-day basis

Objective: To assist on the Practice's environmental simulation and analysis work with a strong focus on the assessment and development of the daylighting aspects of a project, balancing the aesthetic and technical requirements.

Responsibilities:

- Conduct analysis and research on the solar and daylight aspects of building design
- Advice and support design teams in the lighting design concepts and assessment of building performances, striving for the achievement of tightly integrated, high performance building designs
- Support design teams in the use of environmental simulation tools
- Advice methodologies for analysis and visualization of specific environmental design problems
- Liaise with the other members of the Specialist Modeling 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 + Partner's procedures and standards

Skills & experience required:

- A solid knowledge of daylighting design principles and simulation techniques
- Degree in Architecture or Engineering disciplines
- Ability to understand and formulate design decisions and present them for discussion
- Ability to use a variety of media in the development and documentation of a design project
- Good interpersonal skills and the ability to work well in a team
- Ability to take initiative in response to direction or instruction
- Ability to work well under pressure and meet deadlines efficiently
- A flexible and open attitude towards new ways of working and commitment to independent, lifelong learning
- Fluent English, written and spoken

Software Requirements:

- Advanced knowledge of Radiance and/or other lighting simulation tool
- Scripting abilities
- Proficiency in Rhinoceros and/or other 3d modelling software
- Adobe Creative Suite
- Ms Office

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