Job title:	Environmental Analyst – all levels
Reporting to:	Discipline Lead on a day-to-day basis and ultimately to the Senior Partner
Objective:	To contribute to the Sustainable Environmental Design + Analysis team's engineering, master planning, benchmarking and strategic sustainability output for projects within the Practice.

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

The Sustainable Environmental Design and Analysis Team are looking for experienced Environmental Analysts to join our growing Environmental Engineering team at Foster + Partners. In your role you'll have the chance to apply your expertise across a diverse range of projects— local masterplans to global landmarks. With the role being pivotal in shaping our net-zero future.

What You'll Do:

- Utilise our advanced computational analytical approach, leveraging cutting-edge software and developing computational tools for high-performance, resource-efficient developments.
- Bring your expertise in computation analysis to contribute to our net-zero vision.
- Identify and apply environmentally appropriate and climatically resilient responses that enhance comfort, protect natural resources, and deliver human-cantered designs.
- Collaborate passionately, infusing sustainability into every project.

The Role:

- Assist design teams by weaving environmental design principles into early design stages, leading to a comprehensive evaluation of building operations.
- Utilise your computational simulation and analytical skills to enhance the built environment's performance, focusing on energy efficiency, comfort, climate, and health.
- Guide design teams on embedding environmental solutions into architectural plans and collaborate with the environmental engineering team for seamless integration.
- Advance our toolkit of computational energy models for developments of all sizes, from standalone buildings to entire campuses and cities.
- Enable design teams to effectively utilize environmental simulation tools for optimized outcomes.
- Create and present engaging content, including visuals, videos, and interactive reports, that clearly conveys project insights to clients and in-house design teams.
- Expand your expertise in energy and resource-focused design, keeping abreast of international policies and trends.
- Conduct urban-level analyses to inform sustainable resource management and city planning.
- Devise resilient design strategies and management practices for long-term sustainability.
- Explore and apply innovative low and zero carbon technologies in our projects.
- Analyse data and articulate findings in concise reports, presentations, and discussions.
- Collaborate to refine our use of AI and Machine Learning in project workflows, pushing the envelope in design technology.
- Cultivate a passion for environmental sustainability, making it a cornerstone of your professional growth.

Qualities and Skills:

- Hold an undergraduate degree in Architecture or Engineering or Physics, a Master's in Sustainable/Environmental Design, or possess equivalent experience.
- Proven expertise in Energy Modelling and Building Physics.
- Solid grasp of energy systems and their dynamics.
- Skilled in key software such as IES-VE (mandatory), Energy Plus, OpenStudio, and Grasshopper Honeybee Energy Modelling.
- Well-versed in standards like ASHRAE 90.1 (Appendix G), Building Regulation Part L, CIBSE guidelines (TM52, TM59, TM54), and NABERS UK for comprehensive building assessments.
- Proficient in bioclimatic design, low-energy solutions, and passive strategies, including CIBSE AM10 for natural ventilation.
- Familiar with performance-focused methodologies like soft landing and Post-Occupancy Evaluation processes.
- Coding skills in Python, Excel VBA, or C++ are a plus.
- Strong understanding of building services, mechanical systems, and performance modelling.
- Ability to solve environmental challenges through building physics.
- Knowledgeable about applying low and zero carbon technologies in the built environment.
- Hands-on experience with computational environmental analysis or energy modelling.
- Familiar with Environmental Assessment frameworks like LEED, BREEAM, WELL, and Mostadam.
- Working towards or already Chartered/Registered with a professional board.
- Demonstrates initiative, leadership, and excellent organisational skills.
- Can simplify complex technical information for any audience.
- Experienced in CAD and 3D modelling, preferably with Rhino and Revit.
- Self-starter, responsible, and proactive in managing daily tasks.
- Excellent at working both independently and as part of a team.
- Eligible to work legally in the country.

Please apply with an up-to-date CV and a portfolio demonstrating your work experience.

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