

Environmental Performance Analyst

Kohn Pedersen Fox Associates (KPF), an international architecture practice headquartered in New York City, is seeking an Environmental Performance Analyst to assist in analysis and simulation of complex architectural and urban design projects around the world. This position requires developing design workflows, planning tools and metrics to evaluate the environmental performance of buildings and neighborhoods through advanced knowledge of current environmental analysis and simulation tools within the Rhino/GH ecosystem such as: DIVA, Ladybug, Honeybee, Butterfly, etc. The ideal candidate will have a professional degree from an accredited university, some professional experience, strong graphic skills, a collaborative attitude, and the ability to manage various projects simultaneously.

This individual will work closely with design teams to integrate high performance approaches in the design and planning of buildings and cities. Their aim will be to establish ambitious and comprehensive goals for the environmental performance of KPF projects. This should include both an understanding of building systems as they work day to day on building designs and urban environmental issues for KPF master plans. They will be integrated in KPF | UI (ui.kpf.com), which is a performance analysis team in KPF's New York office. As part of this work, the individual will incorporate environmental performance tools and their expertise into the KPFui workflow.

Day-to-Day Responsibilities

- Set up, run, and interpret the following analysis and simulation
 - Solar Radiation
 - Daylighting
 - Shadow Studies
 - Wind Studies
 - Wall Assembly Analysis
- Provide performance based feedback to inform the design and development of KPF projects
- Develop tools and workflows for firm wide deployment
- Train staff on use of basic analysis and simulation tools
- Prepare graphics for design teams related to environmental performance

Leadership Role

- Work with KPF leadership to craft and push the firm's innovation agenda about energy and the environment.
- Establish / maintain a research agenda and link with Academia.
- Engage with professional organizations and the environmental performance / sustainability community at-large.
- Build a sustainability focused data repository working with the KPF Knowledge manager.
- Develop climate specific approaches for the building, neighborhood and city scale.
- Be proactive about understanding and implementing IoT and Smart Building Technologies

Qualifications

- Professional degree in Architecture, Urban Design, Engineering, or a related field.

- Ideal candidate will have some professional experience doing environmental performance analysis or have taken applicable course work that demonstrates a similar capability.

Basic Knowledge and Abilities

- Rhino
- Grasshopper
- At least one environmental analysis and simulation tool within the Rhino/GH ecosystem
- Adobe Suite

Please send your CV and appropriate support materials to: careers-ny@kpf.com with the heading: 'Environmental Performance Analyst'