Space Syntax

HRM JOB DESCRIPTIONS

June 2024

Senior Project Consultant

JOB TITLE	**Senior Project Consultant**
REPORTS TO	Project Leader & Project Director
REVIEWED BY	Executive Directors
JOB PURPOSE	Senior Project Consultants engage directly in Space Syntax's unique, science-based and human-focused approach to the design of buildings and urban places. This approach typically involves data gathering, spatial modelling, analysis and interpretation alongside 2D sketching and 3D modelling. Senior Project Consultants produce drawn and written deliverables, reporting to Project Directors and Project Leaders. They will also have project management experience and will support the senior project team in meeting client expectations and delivery.

KEY ACCOUNTABILITIES

Project Delivery

Under the guidance of the Project Leader and Project Director, Senior Project Consultants will take responsibility for the following processes, in accordance with the operational procedures defined in our Quality Management System:

1. **Data gathering**
- Collect required data from the client and other sources.
- Search for information related to the project. This can include the client design principles, site/building information (including policy background, topographical, topological, landscaping, architectural) and other related documentation as required.
- Prepare site survey briefs and coordinate survey work with survey staff or subconsultants.

- Produce materials for the surveys, such as detailed scale drawings, maps and sheets for observations of site characteristics including patterns of human behaviour.

2. **Data analysis**

- Collect data from survey staff or subconsultants.
- Coordinate data entry.
- Review quality and analyse the collected data through the creation of maps and statistical analysis.
- Analyse the site and the architect's/client's design proposals, if any, using Space Syntax modelling techniques, ensuring that relevant site conditions are considered.

3. **Data interpretation**

- Quality control the output or results of the analysis.
- Extract key findings from the analysis.
- Discuss with the Project Leader and Project Director the results of the analyses, agreeing on the nature and status of the current site, the impact of the design proposals, ideas for alternative planning and design approaches and whether further analysis is required to understand the site/proposal and deliver to the client's expectations.

4. **Design iteration & generative design**

- Work with the Project Leader and Project Director to develop and test designs using a range of potential tools including hand sketching, iterative testing, and coding.
- Develop sketch and final presentation materials for presentation to the client.

5. **Presentation**

- Agree on a report and/or presentation layout and structure with the Project Leader and Project Director. Set up the report, producing and inserting graphics as needed and following the Company's Graphic Style Guide.
- Develop the visual and written content for such a report.
- Produce and deliver final, approved copies of the report to the client.

6. Data & documentation management

- Ensure that project data and documentation is organised, version controlled and archived.

ROLES REPORTING IN

Related to specific projects and may include survey staff or subconsultants (e.g. for observations or data entry) and Interns.

KEY INTERFACES

Internal

- *Daily*
  Project Directors and Project Leaders, Consultants, Interns and support team.
- *Weekly/Monthly*
  Survey staff or subconsultants as project coordination requires.

External

- Clients, on a project basis.

RESOURCES / SCOPE

- Monetary Responsibility – monitor budget for observations and data entry by hours worked (as agreed with the Project Leader).
- Equipment to control – survey materials.
- Managing time for output delivery, in line with agreed timelines and allocated resourcing, as discussed with the Project Director and Project Leader.

PERSON SPECIFICATION

- BSc/First Degree in a technically-related subject (e.g. space syntax, architecture/urban design/planning, statistical analysis). A higher degree (Masters or equivalent) in a related topic is preferable.
- Project experience (work or academic) and appreciation of the workplace environment.
- 2-3 years' experience in client engagement and project management is desirable.
- Awareness/knowledge of/sensitivity for the latest industry developments related to the built environment, including property development, real estate planning, consumer behaviour, public transport and active mobility planning,

network analysis and architectural/urban planning market trends.

- Awareness of and experience in:
  - space syntax techniques
  - 2D and 3D software packages, such as AutoCAD, SketchUp and/or Rhino/Grasshopper
  - GIS software (specifically QGIS)
  - knowledge of Python is an advantage but not essential. Training will be provided for successful candidates.

Working at Space Syntax Limited

ABOUT SPACE SYNTAX

Space Syntax provides creative expertise in architecture & urban planning. Operating worldwide, we combine global design experience with advanced digital technologies. Our unique modelling tools forecast the social, economic & environmental impacts of development on mobility, land value & health at all scales.

We help shape policies, planning strategies & design proposals that benefit people, property & the environment.

Mission

Our mission is to support the United Nations' Sustainable Development Goals by applying, developing, and disseminating outcome-oriented, human-focused approaches and tools to the sustainable planning, design and operation of buildings and urban places.

Vision

A world in which human society thrives, in harmony with nature. This requires the right patterns of connectivity, movement, density, and land uses to optimise opportunity for valuable social development and exchange at every scale of placemaking, while protecting the natural environment.

Role

We exist to provide services, knowledge, and leadership to support the **application**, **development**, and **dissemination** of the space syntax approach. Achieving strong commercial returns enables our activities to be of lasting benefit and to inspire and to empower others who share our vision. We recognise the United Nations Sustainable Development Goals framework as a point of reference for evaluating our impact.

EMPLOYEE OWNERSHIP

Space Syntax became employee-owned in July 2015.

Employee ownership has enabled the contribution of employees to be more formally reflected within the ownership framework of the Company, sending a clear message that their input is appreciated and their engagement and collaborative approach is valued in real terms. Furthermore, it guarantees the long-term stability of the company as innovation is driven and decisions are informed by its employees. Employees share in the success of the company through our bonus payment scheme.

COMPANY VALUES

We value

Responsible behaviour | Continuous innovation
Clear communication | Teamwork

Working at Space Syntax requires a commitment to these Core Values and their associated behaviours:

Responsible behaviour
- We embrace the mission of Space Syntax to nurture *thriving life* in buildings and urban places.
- We take ownership of our work and deliver what we promise
- We have relationships based on trust.
- We make sure we are prepared.
- We understand that our work impacts on the overall success of Space Syntax.

Continuous innovation
- We establish objectives and focus on achieving them.
- We consider a range of scenarios.
- We are open to new ideas.
- We learn from mistakes.
- We keep questioning.

Clear communication
- We use effective and efficient methods to reach our target audiences.
- We listen carefully and engage actively.

- We deliver work that is evidence-informed and quality-controlled.
- We simplify without being simplistic.
- We explain why, what and how.

Teamwork

- We have a positive attitude.
- We motivate each other.
- We give constructive feedback.
- We consider our colleagues' needs.
- We seek help when we need it and offer help when we can.

EMPLOYEE BENEFITS

Space Syntax is an equal opportunity employer, providing a supportive and friendly working environment.

We offer the following benefits to our employees:

- Annual Leave entitlement, starting at 20 days per annum plus Bank Holidays for full time staff working a standard week of 37.5 hours. This rises to a maximum of 25 days after five years' service. This entitlement is pro-rated accordingly for employees who work a non-standard week.
- Flexible working opportunities.
- Company pension scheme.
- Private medical insurance scheme.
- Season ticket loan scheme.
- Cycle to Work scheme.
- Professional & personal development opportunities.