

# KTP Associate: Sussed Design and Construction Manager

Department	Architecture ( <a href="http://www.strath.ac.uk/engineering/architecture/">www.strath.ac.uk/engineering/architecture/</a> )		
Faculty	Faculty of Engineering ( <a href="http://www.strath.ac.uk/engineering/">www.strath.ac.uk/engineering/</a> )		
Staff Category	KTP	Reference No	489692
Reports To	Prof. Tim Sharpe (Knowledge Base Supervisor) & Matt Bridgestock (Business Partner Supervisor)	Grade:	RS79
Salary Range:	Up to £31,000 per annum plus £3,148 training and development budget	Contract Type:	Fixed Term (12 months)
FTE	1	Closing Date	08/01/2023

## Job Advert

The Department of Architecture at Strathclyde, in partnership with John Gilbert Architects is seeking to appoint a Knowledge Transfer Partnership (KTP) Associate to develop skills and expertise in the design of low carbon building design.

John Gilbert Architects is part of the Sussed Sustainability Joint Venture with Holmes Miller Architects and Armila Sustainability. Sussed projects are principally new build schools and leisure centres with a brief to meet Passivhaus and Net Zero Carbon standard and other similar targets. We have around £200m worth of projects aiming for this standard in Scotland, Northern Ireland and England. We currently have 4 directors and 3 staff working on Sussed projects.

The role of associate will be to support the Sussed team in developing net zero carbon knowledge and processes to provide enhanced efficiency and enable the process to be rolled out with less time and therefore wider application. This is particularly focussed on embedding Passivhaus techniques into the design team process.

Our primary work at present is delivering Passivhaus certified buildings, including preparing PHPP for projects (with support of others), U-values and thermal bridging calculations. In addition, we assist and advise on Net Zero and also involved in the advice and calculation of embodied carbon which requires calculation in OneClickLCA and PH Ribbon.

The associate will be given Passivhaus Designer training and opportunity to sit the Certified Passivhaus designer examination. You will be based between Holmes Miller and John Gilbert Architects offices in Glasgow along with site visits to projects across the UK,

The role is to assist in the development of Sussed processes and procedures along with pushing the boundaries of energy efficient construction, in particular:

- Integration of Net Zero Carbon processes into day-to-day design processes
- Developing new processes to embed Passivhaus techniques into design processes
- Development of new techniques with design teams and contractors

Several Sussed developments will be being designed and starting on site over the period of the project. This will allow the associate to test and monitor design, construction process and maintenance ideas as they are developed which will bring some valuable 'real-world' evidence base to the project development.

The project is part of the Knowledge Transfer Partnership (KTP) programme that aims to help businesses improve their competitiveness and productivity through better use of knowledge, technology and skills that reside within the UK knowledge base. Successful Knowledge Transfer Partnership projects are funded by UK Research and Innovation through Innovate UK and are part of the government's Industrial Strategy. To find out how KTP works and the vital role you will play if you successfully secure a KTP Associate position please visit: [www.ktpws.org.uk](http://www.ktpws.org.uk). There are over 200 vacancies currently available at [www.ktp-uk.org/graduates](http://www.ktp-uk.org/graduates) or search 'KTP jobs'.

## Job Description

### Brief Outline of Job:

Supported by the academic team at the University of Strathclyde, and the company supervisor within JGA, the KTP Associate will lead the development of knowledge, skills and processes to provide enhanced efficiency of Passivhaus design and construction processes and enable the process to be rolled out with less time and therefore wider application.

### Main Activities/Responsibilities:

1.	Engage as an independent researcher in individual and collaborative research, establishing a distinctive programme of research and disseminating results to a range of audiences.
2.	Research and development of Passivhaus techniques for large non-domestic buildings.
3.	Support directors in developing and improving processes and templates.
4.	Research and development of techniques for net zero development in non-domestic buildings.
5.	Development of new building performance assessment techniques.
6.	Post occupancy evaluation and developing improvements to close the performance gap.
7.	Developing knowledge exchange objectives for the Knowledge Transfer Partnership, technology and product development project and play a leading role in achieving these with support of KTP supervisors.
8.	Planning and managing own workload with guidance from KTP supervisory team.
9.	Facilitating change to ensure that the new product/service system is embedded within and embraced by the wider organisation.
10.	Communicating with stakeholders through a variety of forums such as meetings and presentations using appropriate media, such as reports, to inform them of the progress of improvement initiatives.
11.	Participate in and develop external networks to foster research collaborations, to inform the development of research objectives and to identify potential sources of funding.
12.	Develop knowledge exchange activities by, for example, establishing research links with industry and influencing public policy and the professions.

## Person Specification

### Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 MSc/Meng Honours Degree in a related discipline (or, exceptionally, equivalent professional experience)

D1 Membership of relevant Chartered/professional bodies (including Higher Education Academy).

### Experience

E2 Experience of low energy design and construction in the UK

E3 Knowledge of Passivhaus design advantageous.

E4 Knowledge of building science, energy and environmental analysis.

D2 Knowledge of calculations, tools and methods, software and processes for carbon reduction.

### Job Related Skills and Achievements

E5 Ability to work under pressure and to tight deadlines.

E6 Ability to work well across diverse teams within design, planning and construction.

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E7 Strong project management skills, ability to organize and prioritise tasks.

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D3 Highly computer literate, CAD/BIM skills.

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### Personal Attributes

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E8 Excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences, including architects, client organisations, users and communities.

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E9 Self-motivated and ability to use own initiative.

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## Application Procedure

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Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate that you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job. Applicants should also complete the Equal Opportunities Monitoring Form.

## Other Information

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Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforum>).

Informal enquiries about the post can be directed to Professor Tim Sharpe, Head of Department ([tim.sharpe@strath.ac.uk](mailto:tim.sharpe@strath.ac.uk)).

### Conditions of Employment

Conditions of employment relating to the KTP staff category can be found at: [Conditions of Employment](#).

### Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

### Basic Disclosure

This role requires the satisfactory outcome of a Basic Disclosure Scotland Check. The successful applicant will be asked to carry out a Basic Disclosure Scotland Check. Whether an outcome is satisfactory will be determined by the University.

### Probation

Where applicable, the successful applicant will be required to serve a 6 month probationary period.

### Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

### Interviews

Formal interviews for this post will be held on a date to be confirmed.

### Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

### University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

