

BIM Systems Coordinator



ROLE DESCRIPTION

SALARY

£40,000

DURATION

24 Months

LOCATION

Cameron's Ltd,
Dalkeith

KNOWLEDGE TRANSFER PARTNERSHIP Cameron's Ltd and Edinburgh Napier University Project Introduction and Details

Introduction to Knowledge Transfer Partnerships

Mission

“To strengthen the competitiveness and wealth creation of the UK by the stimulation of innovation in industry through collaborative partnerships between the science, engineering and technology base and industry”

Objectives of every Knowledge Transfer Partnership

- to facilitate the transfer of knowledge and the spread of technical and business skills through an innovation project .
- to provide company-based training for the most able graduates in order to enhance their business and specialist skills.
- to stimulate and enhance business relevant research and training undertaken by the knowledge base (universities & public funded research organizations).

Background

'Knowledge Transfer Partnerships' are an extension of the highly regarded and long established TCS scheme, which is funded by the InnovateUK with 17 other funding organisations. A 'Knowledge Transfer Partnership' enables companies of any size to access additional scientific, engineering or management knowledge and expertise from universities and research organisations and to import new techniques and technologies into their businesses to:

- Improve existing products
- Develop new products
- Streamline a manufacturing process;
- Improve logistics processes; or
- Strengthen strategic marketing capabilities

Around 900 companies - of all sizes and in a very wide range of sectors - are currently participating in Knowledge Transfer Partnerships. It supports the training of about 1000 graduates working on these projects and involves almost every UK University.

Camerons Ltd

Camerons Ltd - trading and therein referred to as CSY -- (Cameron, Strachan and Yuill Architects) is a firm of Chartered Architects, operating from four offices across South East Scotland and North East England. This trading name was adopted in 2020 to reflect a new chapter in the practice's history, following the merging of three architectural firms; Camerons Ltd, Bain Swan LLP and Douglas Strachan Ltd. In this sense the practice is quite new, but it also carries a much longer heritage, with Camerons Ltd dating back to 1963. This merger also included a succession of ownership and leadership, resulting in a majority share of the business being held by an Employee Ownership Trust on behalf of the team, enabling them all to share in the company's success. The remaining shares are held by the two Managing Directors who lead this team; Douglas Strachan and Gavin Yuill. CSY provides architectural services to local communities, ranging from small home alterations and work with housing associations, to commercial developments, community facilities and master planning. Revenue generation is almost entirely through professional fees charged for services on such projects. A small income is generated from subletting rooms in the company's office building in Galashiels.

Edinburgh Napier University

At Edinburgh Napier we nurture talent and create knowledge that shapes communities all around the world. Our innovative research provides solutions to society's challenges, our graduates leave ready for the workplace, and we have wide-ranging links with employers and business.

The School of Engineering & the Built Environment offers a range of engaging, challenging and industry-relevant courses that enable graduates to pursue rewarding careers within their chosen discipline.

The Institute for Sustainable Construction at Edinburgh Napier University comprises some of Scotland's leading built environment applied research and knowledge transfer centres. Our centres cover a range of construction disciplines, industry sectors and technical performance factors.

Employment Details

The successful candidate (KTP Associate) will be employed by the Edinburgh Napier University on a 24 month contract, and will be based full time at Camerons Ltd. Although both the academic and industrial supervisors supervise the project on which the Associate is working, the Associate will need to have the capacity to operate and manage the project on a day-to-day basis. Therefore strong personal skills, self-motivation, and the ability to plan and organise time are required.

The Knowledge Transfer Partnership

To develop and implement an innovative and bespoke framework and recommendations to enable more effective BIM implementation in an SME.

The Project objectives are as follows:

- Comprehensive Systems Review -Investigate what existing technologies are/are not fit for purpose and why.
- Define specific problems encountered with BIM implementation in an SME.
- Develop a fully integrated BIM implementation framework.
- Embed a new BIM capability that demonstrates significant performance improvement compared to current systems.

The position carries considerable responsibility. The Associate will report directly to the senior management team, therefore good presentation and communication skills are also desirable. Some of the projects will involve working with clients and customers of the company in various locations, which will require strong interpersonal skills.

In return, the position offers the Associate the following benefits:

- a planned programme of training courses
- the support and resources of the University
- a challenging and rewarding job, with real responsibility

- the potential for good career development with the company at the end of the scheme
- the possibility of registering for a higher degree with the University
- the opportunity to make important and tangible improvements in a small but dynamic company
- competitive pay and working conditions

Informal enquiries to:

Dr Suha Jaradat
 Associate Professor at the School of Engineering and the Built Environment
 Edinburgh Napier University
 Email: s.jaradat@napier.ac.uk

OR

Douglas Strachan –
 Managing Director Camerons Ltd
 Email: douglas.strachan@csyarchitects.com
 Tel: 07765253381

PERSON SPECIFICATION

	ESSENTIAL	DESIRABLE
EDUCATION / QUALIFICATIONS		
• A postgraduate degree (preferably a PhD) in a topic related to digital practices in the built environment and Building Information Modelling (BIM). A first class (at least a 2:1)	✓	
• A first class (at least a 2:1) ideally in architecture, architectural technology or built environment related discipline.		✓
SKILLS / EXPERIENCE		
• Experience of solving the technical problems faced by the project team and the problems related to the operation of the project	✓	
• Experience of guiding the project team to perform the necessary quality control tests of the created or received BIM models; Experience of	✓	

	ESSENTIAL	DESIRABLE
checking the delivery and receipt of digital models and the coordination process with the relevant people; Strong familiarity and Knowledge of architectural and construction management practices		
<ul style="list-style-type: none"> Candidates should have in-depth understanding of fundamental BIM process, implementation, standards (including BS EN ISO 19650-5:2020) and methodologies 	✓	
<ul style="list-style-type: none"> Clear understanding of collaborative practices and BIM Execution Plans, Opendata format tools such as Industry Foundation Classes (IFC), and international standards relating to managed asset information including space and equipment such as Construction Operations Building Information Exchange (COBie) 	✓	
<ul style="list-style-type: none"> Experience of working on BIM-enabled projects, Competence in using BIM tools including 3D modelling and clash detection tools such as Revit and Navisworks 	✓	
<ul style="list-style-type: none"> Excellent organisational, management and leadership skills 	✓	