



"The School of the Built Environment is one of the UK's leading institutions for multidisciplinary research and teaching in the built environment. For the past two decades it has enjoyed and sustained a strong international reputation.

There are four disciplines within the School that represent the diverse subjects influencing the built environment. These are: Architectural Engineering; Civil and Structural Engineering; Construction Management and Surveying; and Urban Studies. All four areas contribute equally to the growth and development of the School through its taught programmes and research institutes.

We have an experienced and well regarded body of academic staff that specialise in a variety of areas of research expertise including drainage, urban design and regeneration, flood management, spatial planning, building conservation and sustainable building techniques.

All of our students and researchers benefit from access to the state-of-the-art laboratory and computing facilities at the School."

Professor Gareth Pender
Head of School

www.sbe.hw.ac.uk

School of the
Built Environment

Converge - Championing Knowledge Exchange

Converge is a new, unique initiative that aims to increase the ability of Heriot-Watt University to facilitate and share research with Scottish, UK and global businesses.

It moves beyond traditional knowledge transfer, to focus on the development of beneficial, long term, two-way relationships with industry. It aims to link up the University's wide array of expertise to industry needs and help businesses find innovative solutions to problems.

Converge offers a full support package of business development underpinned by entrepreneurship development of academics and marketing of Heriot-Watt University expertise.

TO FIND OUT MORE CONTACT:

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THE SCHOOL

The School of the Built Environment offers nine programmes at undergraduate level, all of which benefit from cross-disciplinary activities. We have a highly successful track record of graduate employment and our unique blend of theoretical knowledge and practical application of skills makes our students well prepared for their future careers. While studying at the School there are opportunities for industrial placements, field trips abroad, practical and lab-based work, and studying abroad for a year.

Our postgraduate programme options cover a wide range of subject areas and are highly regarded by our industrial partners, employers and the professional institutions that accredit them. We have a choice of over 20 Masters programmes and one Postgraduate Certificate programme.

We recognise the need for flexible study options and so our postgraduate teaching portfolio includes options for part-time and independent distance learning options as well as the opportunity to study at Diploma and Certificate level.

For more information about any of our taught programmes, please visit the Heriot-Watt University website:
www.hw.ac.uk/what-can-i-study.htm

SUBJECT AREAS*

- Architectural Engineering
- Civil and Structural Engineering
- Construction Management and Surveying
- Urban Studies

* Please contact the School for up-to-date information regarding the specific programmes that are on offer.



CONSTRUCTION MANAGEMENT AND SURVEYING

TOP FACTS

- Programmes accredited by the Royal Institution of Chartered Surveyors (RICS), Chartered Institute of Building (CIOB), Association of Building Engineers (ABE), and the British Institute of Facilities Management (BIFM).
- Ability to study programmes part-time to fit in with employment.
- Links with Dubai Campus and industry in the Middle East.

URBAN STUDIES

TOP FACTS

- Programmes accredited by the Royal Town Planning Institute (RTPI), and/or the Royal Institution of Chartered Surveyors (RICS) and/or the Chartered Institute of Housing (CIH) respectively.
- Opportunity of sandwich year on some programmes.
- Field trips to overseas destinations for undergraduate and postgraduate students.

ARCHITECTURAL ENGINEERING

TOP FACTS

- Industrial panel of experts for guidance, advice and guest lectures.
- Programmes accredited by the Chartered Institution of Building Services Engineers (CIBSE) and the Energy Institute (EI).
- Excellent practical facilities including acoustics laboratory and wind tunnel.

CIVIL AND STRUCTURAL ENGINEERING

TOP FACTS

- Programmes accredited by the Institution of Civil Engineers (ICE) or the Institution of Structural Engineers (IStructE) respectively.
- Option of year abroad in Europe or North America for undergraduate students.
- Excellent rates of employment for graduates.
- BEng programmes also delivered at the Heriot-Watt University Campus in Dubai.

RESEARCH PROFILE

The School of the Built Environment at Heriot-Watt University is the leading research institute of its kind in Scotland, pioneering innovative education across all of its disciplines with the aim of providing relevant expertise across a range of sustainable and economically viable activities.

The School's portfolio of multi-disciplinary research makes it an attractive destination for those seeking postgraduate research opportunities of direct relevance to solving real world problems in the built environment. Additionally, our strategy of growing postgraduate student numbers is supported by a number of scholarship opportunities from university, government and industry sources.

Our research activity is structured in three institutes:

- Institute for Infrastructure and Environment
- Institute of Building and Urban Design
- Institute for Housing, Urban and Real Estate Research

There are numerous activities and centres that exist under these institutes including:

- Railway Engineering
- Sustainable Water Management
- Housing and Urban Society

CASE STUDY

RAILWAY TRACK DESIGN:

Peter Woodward and his team at the School of the Built Environment have developed technologies relevant to improving and upgrading railway tracks for high speed use. XITRACK, Heriot-Watt University's patented polymer, allows 3D reinforcement of track with minimal disruption to operational use. It has been used on a variety of projects including the East Coast Mainline, Clapham Junction, and the East London rail link to the new Olympic Village.

With £0.5 million funding from EPSRC, Peter's team is collaborating in research relevant to high speed rail track design. The project will develop software that analyses the behaviour of track at speeds up to 250mph.

"My role at Faber Maunsell | AECOM is very varied. The programme prepared me well for this and gave me the skills to be a multidisciplinary engineer. I use what I learnt every day, my programme notes are never far from my desk!"

Stephen Doris

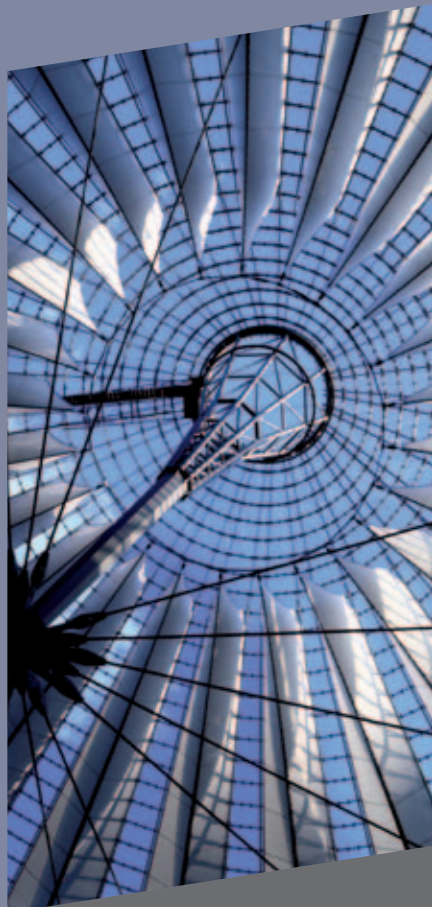
Senior Project Engineer
Faber Maunsell | AECOM
BEng (Hons) Civil Engineering Graduate

WHAT OUR CUSTOMERS SAY....

'Excellent experts...producing well researched and well written outputs... [and] thoughtful, knowledgeable and responsive to our changing needs'

Jan White

Former Head of Communities and Local Government Department's Research, Analysis and Evaluation Division



FOR MORE INFORMATION CONTACT

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