

Our Environmental Expertise

Profit through partnering with us

Our Vision

By 2015 we will be established as one of the leading, modern professional universities in the United Kingdom. We will have an international reputation for the employability of our graduates and for expertise which can be used to directly enhance the lives and prospects of people and their communities.

We will achieve our vision through academic excellence; developing confident employable graduates; creating, exploiting and transferring knowledge; being committed to internationalisation; working in partnership and operating at the highest organisational standards.

Our students

- 15,691 students from over 100 countries (08/09).
- Edinburgh Napier is one of the top ten institutions for graduate employability in the UK. (HESA, 07/08).
- 97.4% of Edinburgh Napier graduates go into work or further study within six months of graduating (HESA 07/08).

UK & EU students	11,878 (76%)
Overseas students	3,813 (24%)
Edinburgh*	5,516
Republic of China	1,609
India	644
Ireland	463

2008/09 figures. *EH postcode

A green university

We are committed to reducing our environmental footprint. This includes changes to the way we heat, light and use our buildings, investigating more sustainable methods of transport and reducing our water consumption and landfill waste.

- We will reduce carbon dioxide emissions by 25% by 2013, from 2006/07 levels.
- 'Excellent' BREEAM rating for Sighthill campus redevelopment.
- Awarded the Carbon Trust Standard in 2010.

Renewable energy

We focus on renewable energy and sustainability. Our expertise includes:

- Energy and environmental auditing/assessment.
- Energy monitoring and systems modelling.
- Renewable systems design and integration.
- Fuel cells and hydrogen.
- Energy materials characterisation.
- Biofuels development and processing.
- Hydro-electric generation.
- Site energy assessments.
- Thermal performance assessment of buildings & materials.
- Infra-red thermography.
- Building envelope defect diagnosis and building pathology.
- Process energy heat loss mitigation.
- Air leakage testing.

Specialist Institutes

for research and commercial activities

We have nine dedicated Institutes to streamline business access to our services and provide a rapid, responsive, customer focused service.

- Edinburgh Institute for Leadership & Management Practice.
- Employment Research Institute.
- Institute for Science & Health Innovation.
- Institute for Creative Industries.
- Institute for Informatics & Digital Innovation.
- Institute for Product Design & Manufacture.
- Institute for Sustainable Construction.
- Forest Products Research Institute.
- Transport Research Institute.

Research & Knowledge Transfer

We focus on enabling research and knowledge exchange which supports sustainable economic growth in Scotland and beyond. Our Research & Project Development Service facilitates academic-business partnerships.

The 2kT project team act as knowledge brokers facilitating innovative partnerships and business solutions between our academics and the Scottish business community. Visit: www.2kt.org.uk

We can help your business access financial support towards the cost of any engagement and can provide direct technical support, specialist skills, facilities and equipment.

Queen's Anniversary Prize

Edinburgh Napier has been awarded the Queen's Anniversary Prize 2009 for Higher and Further Education.

The award was made for 'Innovative housing construction for environmental benefit and quality of life'.

It recognised the outstanding contribution made by the University's Building Performance Centre and the development of Robust Details for use in the Building Standard Regulations. The project involved improving sound insulation between attached dwellings.

The Institute for Sustainable Construction

Director: Professor Sean Smith
Contact: se.smith@napier.ac.uk
or 0131 455 5101

Our expertise includes low-carbon built environment solutions, energy efficient designs, sustainable building performance and micro-renewable technologies, as well as our world-leading research and consultancy in building acoustics.

Staff have a superb record supporting innovative construction products for industry and developing new technical standards and guidelines for building regulations.

You will be able to tap into our research, consultancy and knowledge transfer expertise. We can also provide access to unique laboratory facilities BPAC "Hangar 17" where complete build-prototypes of up to three storeys tall can be fully tested.

The Institute for Product Design & Manufacture

Director: Professor Ian Hunt
Contact: I.Hunt@napier.ac.uk
or 0131 455 2288

We offer prototyping services, design for manufacture expertise, materials evaluation, product realisation, validation to European standards, laboratory and testing facilities and compliance.

The Institute supports companies involved in:

- Innovation and product development.
- High technology electronics manufacturing and design research.
- Advanced engineering materials.

The Institute for Science & Health Innovation

Director: Professor Keith Nicholson
Contact: k.nicholson@napier.ac.uk
or 0131 455 5734

We work with a range of businesses and our expertise covers renewable energy, environmental surveys, ecology and the health impacts of nanoparticles.

The Biofuel Research Centre is finding sustainable alternatives to fossil fuels using non-food crops and biological waste matter. It is also an international centre for research and information exchange between industry, government, academia and the public.

The Centre for Nano Safety encompasses research and commercial activities into interactions between nanoparticles, humans and the environment. The multidisciplinary team has a strong track record of research in nanoparticle toxicology.

Transport Research Institute

Director: Professor Kevin Cullinane
Contact: K.Cullinane@napier.ac.uk
or 0131 455 2807

Established in 1996, the Institute offers high quality, multidisciplinary, transport research and consultancy. Its focus is on energy, climate change and sustainability, because transport is a major contributor to worldwide carbon emissions.

Work has included:

- Prototyping of fuel-saving regenerative braking systems.
- Improving the efficiency of intermodal transport systems for freight & passengers.
- Developing travel plans for businesses.
- The development of renewable sources of energy for use in transport.

Forest Products Research Institute

Director: Professor Philip Turner
Contact: ph.turner@napier.ac.uk
or 0131 455 2250

Forest products offer high quality at low cost and represent a sustainable resource particularly for construction, where the Institute is helping to develop innovative new materials for building.

Work ranges from the practical to the scientific. From the traditional timber engineering requirements of the construction industry and the wood science and technology needs of the conventional forest products industries - such as sawmilling, pulp and paper and wood modification - to the manufacture of advanced, high performance materials from the cellulose nanofibres in timber.

Our Facilities

We have a range of versatile facilities for testing the energy performance of domestic, commercial and industrial buildings and can perform:

- Computer simulation of building performance.
- Remote monitoring of building energy use.
- In-situ testing of building fabric performance, ventilation and air tightness.
- Indoor air quality and noise assessment.

We also operate a range of building pressurisation and air leakage testing equipment capable of undertaking testing in compliance with CIBSE TM23 and EN13829:2001.

Contact us

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THE QUEEN'S
ANNIVERSARY PRIZES
FOR HIGHER AND FURTHER EDUCATION

2009