



Technology & Innovation Centre
and the Scottish Enterprise
Industry Engagement Building

LOW-CARBON INDUSTRIES

Scotland plays host to some of the world's biggest energy businesses and is internationally recognised as having one of the healthiest and most diverse energy industries in the world. Glasgow is at the forefront of low-carbon developments as it seeks to re-invent itself in line with its vision to be one of the most sustainable cities in Europe. It offers a culture of innovation to renewable energy companies and is now leading the way in developing alternative energy resources. Some 5,000 people are employed in the energy sector in Glasgow (Source: BRES, 2012).

A number of high-profile companies are investing in Glasgow's low-carbon industries, confirming Glasgow's status in this sector. Some of these include: SSE, the UK's biggest producer of renewable electricity, has chosen to base its European green-energy headquarters in Glasgow; Iberdrola, the Spanish owner of ScottishPower, has chosen Glasgow as its global base for building offshore wind farms and ScottishPower is building

a new £80m 14-storey headquarters in the city centre and undertaking a £164 million expansion for the Whitelee Windfarm, south of Glasgow, the largest onshore windfarm in Europe.

The University of Strathclyde is building the pioneering £89m Technology and Innovation Centre in the City Centre. The Technology and Innovation Centre, part of Scottish Enterprise's new International Technology and Renewable Energy Zone (ITREZ), will create 700 new research jobs and support 850 existing jobs. It will revolutionise the way researchers in academia and industry collaborate and innovate together. The Technology and Innovation Centre's focus will be low-carbon industries and renewables (green-tech), energy, enabling technologies, photonics and sensors, advanced manufacturing and engineering, material sciences, smart cities, transportation, sustainability and infrastructure, life sciences, health technologies, bio and nano-science and enterprise and business innovation.

The Technology and Innovation Centre will also host the Offshore Renewable Energy Catapult, which will focus technologies for offshore wind, wave and tidal power and with an investment of over €62m over five years it is designed to bridge the gap between research and full commercialisation. The University also hosts the Power Networks Demonstration Centre which will formally open in 2013 and will be a world-class facility that will accelerate the adoption of new, 'smart' technologies, from advanced power grids to electric cars and household appliances. The £12.5 million centre - the first of its kind in Europe - has been created by the University of Strathclyde and leading energy companies including ScottishPower and SSE, with support from Scottish Enterprise and the Scottish Funding Council.