



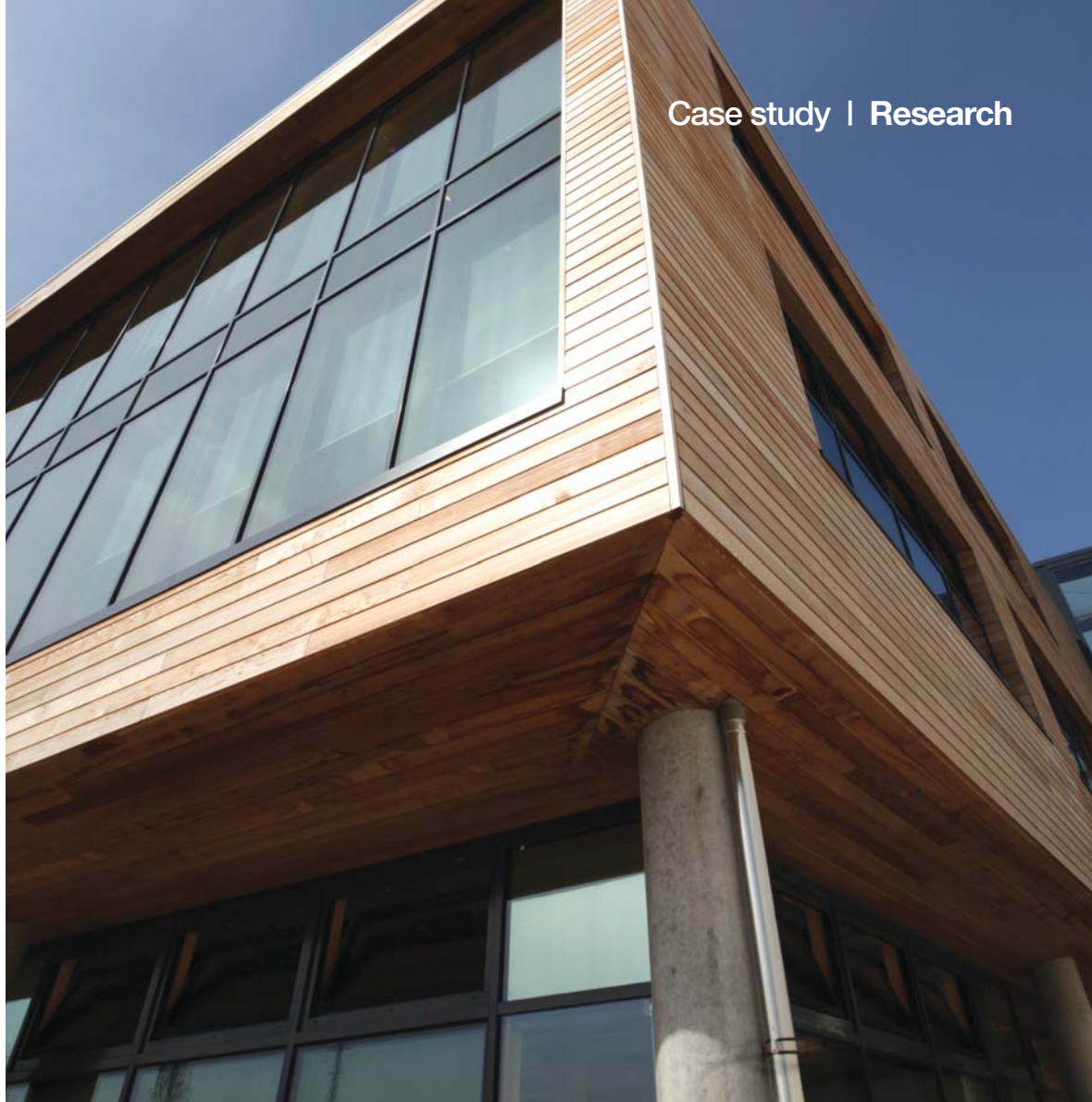
Case study | Research

Vestas Isle of Wight

The Danish firm Vestas has invested £56 million in its new wind turbine blade research facility on the banks of the River Medina near Newport, Isle of Wight. At the time of construction it is the world's largest test facility providing cutting edge technology for material research and development.



SENIOR **HYBRID** SYSTEMS™



Vestas, Isle of Wight

Architect:
Aukett Fitzroy Robinson

Main Contractor:
Sir Robert McAlpine Ltd

Installer:
Lakesmere

Products:
Hybrid Series 3 Curtain Wall
Hybrid Windows

This three-storey office block, with link atrium housing the reception and café, provides high quality accommodation for its 150+ strong workforce of designers, project managers, administrators and ancillary functions. Housed with two massive 170m long halls at 50 metres wide and 36 metre high, the foundations extend in parts to 35 metres depth for the most critical bearing test rigs.

Constructed over an 18 month period, the office accommodation provides a striking, energy efficient, cedar clad building, with carefully planned glazed areas to admit copious amounts of natural daylight,

minimising the need for artificial light. Similarly, the building design encourages natural ventilation. Senior's Hybrid timber composite curtain wall and complementary window systems were specified along with ground source heat pumps, high levels of insulation, an artificial lake to partially clean grey water for re-use, allotments and cycle commuting initiatives, in order to provide a sustainable building solution. The project won the Major Project Award in the prestigious ICE South Branch Engineering Excellence awards run by the Institution of Civil Engineers.



SENIOR HYBRID SYSTEMS™

Senior Hybrid Systems is a division of Senior Architectural, the major UK supplier of aluminium and timber fenestration solutions designed to the highest standards.

Operating from three strategically situated centres at Doncaster, Newport and Livingston, Senior's maintains its original emphasis on customer service and local availability, and forming long term, mutually beneficial relationships with fabricators, architects and contractors.

Tel: 01709 772 600. E-mail: info@seniorarchitectural.co.uk www.seniorarchitectural.co.uk