

Engineering Building

BREEAM Credit Man 9: Publication of Building Information

Over £7M of funding has been allocated to the construction of the new School of Engineering building, which will be completed in summer 2011.

Combining state of the art R&D and teaching facilities, the building will make an iconic statement about the status and intent of Engineering at the University of Lincoln.

In Spring 2009, the University of Lincoln was awarded £4.3 million from HEFCE, through the Strategic Development Fund, to establish a specialist School of Engineering in Lincoln, focusing strongly on research informed teaching. Siemens Industrial Turbomachinery has also made a multi-million commitment to support the school, including transfer of R&D equipment as well as co-location of their training team, sponsored research PhDs and student numbers. Other employers, with specialist engineering and technology schools, are also involved in the establishment of this £37 million development.

The new building has been designed by London Architects Allies and Morrison. The building contains Undergraduate and Postgraduate lecture theatres, seminar rooms, teaching and project laboratories. In addition, research laboratories, engine and gas turbine testing facilities and workshops, all fully equipped, and designed for industrial engagement. Siemens are co-locating their product training facility in custom designed locations within the build.

Predicted BREEAM rating and score	Excellent – 72%
Key Design Features	Materials A+ or A rated under the Green Guide were used in as much of the building as possible. Low water using urinals, W/Cs, taps etc were used throughout the building. Energy use of the building was kept to a minimum by an intelligent BMS system.
Basic building cost	£1,372 / m ²
Services costs	£403 / m ²
External works cost	£42 / m ²
Gross floor area	Total GIA: 4,037 m ²

	<p>Ground Floor GIA: 1,056 m² First Floor GIA: 975 m² Second Floor GIA: 950 m² Third Floor GIA: 950 m² Fourth Floor GIA: 106 m²</p>
Total area of site	5,537 m ²
Function areas & their size	<p>Offices: 463 m² Teaching Space: 426 m² Meeting Room: 75 m² Lecture Theatre: 170 m² Workshop / Laboratory: 851 m²</p>
Area of circulation	672 m ²
Area of storage	94 m ²
Predicted electricity consumption	727,000 kWh
Predicted fossil fuel consumption	571,000 kWh
Predicted renewable energy generation	0%
Predicted water use	5.2 m ³ / person / year
Predicted water use to be provided by rain water or grey water	0%
Steps taken during construction to reduce environmental impact	<p>Materials were sourced from local suppliers where possible. The site obtained a high CCS score throughout the project. All on site waste generated was carefully segregated with a very high percentage recycled/reused.</p>
Social sustainable measures achieved	<p>The development brings together two of the most influential establishments within the Lincoln area, creating a very sustainable social/community development.</p>