

Beatrice Shilling Building Royal Holloway, University of London

HEDQF

Higher Education Design Quality Forum

Royal Holloway invested significantly in the BREEAM 'Excellent' Beatrice Shilling Building to house its new Department of Electronic Engineering as well as opening it up to the whole University to enable cross-fertilisation. The 3-storey partly HEFCE funded building is a vital component of the University's offering, providing new teaching facilities including a 264 lecture theatre and a 80 person collaborative lecture theatre, labs and a variety of collaborative spaces. The roof-top field laboratory with photovoltaic panels and wind turbine facilitates experiments relating to renewable energy.

The striking building, showcasing its use through a metal facade with inspiration taken from a Faraday cage, creates a strong identity and strengthens the science character of this part of the Campus.

Innovative learning spaces, supporting new pedagogies of fostering an atmosphere of creativity in engineering, are aimed at a diverse student population, especially females. The building provides many opportunities of interaction whilst showcasing 'approachable science'. The lab activity, seen through glazed screens, creates excitement while providing a feeling of safety when working late. Academics are based in open plan office space which enables easier ideas' exchange.

Efficient design and column free teaching spaces allow for highest flexibility with the ability to adapt over time.

Location: Egham, UK
Scope: New build
Brief: Creating an inspiring flexible space for the new Electronic Engineering Department

Floor area (GIA): 3,950 sq m
Sustainability: BREEAM 'Excellent'
Completion date: June, 2018

Project Team

Client: Royal Holloway, University of London
Architect: Stride Treglown
Structural Engineer: Arup
M&E Engineer: Arup
QS: RLB
PM: RLB
Contractor: Osborne



Airy collaboration space on the top floor.

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