

Abacws building Cardiff University

The new Abacws building reinforces Cardiff University's commitment to creating world class educational facilities and driving data science innovation in Wales and beyond. Cardiff University's latest hub unites data science, research, teaching and industry collaboration under one roof by bringing together the previously separate School of Computer Science and Informatics (COMSC) and the School of Mathematics (MATHS).

The building provides innovative teaching and research functions across a range of integrated environments. It supports collaboration and integration between the two disciplines, the wider University, and local industry.

The teaching and research functions can be split into three categories of space:

- The 'Work Hub' houses academic and PHD offices.
- The 'Learning Hub' is made up of general learning spaces including lecture theatres, seminar rooms, hybrid learning spaces and specialist learning spaces including computer labs, cyber security lab and financial lab/visualisation lab.
- The 'Learning Centre' has a range of individual and collaborative study settings including areas that can be used as events space for departmental presentations.

Internal spaces are generally structured around public, invited and private zones, with plenty of interactive linking spaces to tie together the formal teaching and learning elements.

Location: Cardiff, UK

Scope: New build

Brief: A shared faculty building for Computer Science and Informatics (COMSC) and the School of Mathematics (MATHS).

Floor area (GIA): 9,800 sq m

Sustainability: BREEAM Excellent

Completion date: September, 2021

Project Team

Client: Cardiff University

Architect: Stride Treglown with Adjaye Associates

Structural Engineer: Arup

M&E Engineer: Arup

QS: Gleeds

PM: Arcadis

Contractor: ISG



Front (North)
colonnade ©
Stride Treglown