

Case study

Wolfson Atmospheric Chemistry Lab (WACL)

As part of the phased development of the Chemistry Campus, the University of York has developed the first dedicated laboratory building in the UK for atmospheric chemistry research.

The new development comprises of a two-storey extension building of 800m² containing laboratory space, a modelling suite and visualisation facilities as well as collaborative research and office space. The building brings Yorks five atmospheric chemistry research teams together under one roof for the first time.

Alan Wood & Partners (AWP) were engaged to provide full civil and structural engineering services for the design of this building which was sited on poor ground. This necessitated a hybrid foundation solution to eliminate the requirement for a piled foundation, which would otherwise have added significant cost and disruption to the project.

AWP also provided the design of the drainage scheme, incorporating sustainable drainage principles to restrict surface water run-off from the site and minimise the overall risk of surface water flooding.

The selection of structural systems designs were pivotal in ensuring access was maintained to the rest of the laboratories and making sure the surrounding areas remained operational.



Location:
York



Client:
University of York



Architect:
Stephen Hill Architects



Value:
£2m



Civil Engineering Structural Engineering

Engineer /
Manage /
Deliver /