

DIGITAL MEDIA BUILDING, UNIVERSITY OF THE WEST OF ENGLAND



LOCATION: BRISTOL

CLIENT: UNIVERSITY OF THE WEST OF ENGLAND

COMPLETION: 2017

VALUE: £6.4M

SIZE: 2,400M2

SERVICE: ARCHITECTURE, LANDSCAPE, INTERIORS

SECTOR: EDUCATION

CONTRACTOR: WILLMOTT DIXON

LANDSCAPE: AUSTIN-SMITH:LORD

STRUCTURES: ARUP

SERVICES: ARUP

COST CONSULTANT: FAITHFUL & GOULD

AWARDS:

2018 LABC BRISTOL EXCELLENCE AWARDS: BEST PUBLIC SERVICE BUILDING AND BEST EDUCATIONAL BUILDING

2018 LABC WEST OF ENGLAND REGIONAL AWARD: BEST EDUCATIONAL BUILDING

The University had a comprehensive BIM requirement integral to their future asset procurement strategy for the campus masterplan. This included detailed Employers Information Requirements & provision of a Common Data Environment for the project. The BIM strategy was aligned to PAS1192-2:2013 principles with COBIE asset information as a key deliverable defined within maintainable asset categories. The Client was intent on managing the building during its lifetime through its Archibus CAFM software updating the asset model with up to date information where it will be used for future projects as buildings are modified over time to suit changing needs.

During the design stages clash detection & virtual design reviews were run within a federated model environment using Navisworks incorporating the various stakeholder models.

The asset data requirement was enhanced in the later stages of the project, following Client developments & this was undertaken during Stage 5 in close collaboration with the contract team. Information was exchanged across the team at frequent intervals passing through validation & verification check processes. As the level of information was increasing in depth towards its final suitability status it was adding to the project information model for ultimate integration into the asset information model at handover. This data was uploaded by the Client to their CAFM database, to which the graphical 3D model was also linked, to supply space data to the system.

The model will also be used to manage the movement of staff, allowing planning of furniture layouts as well as also being used to support academic activities.

