

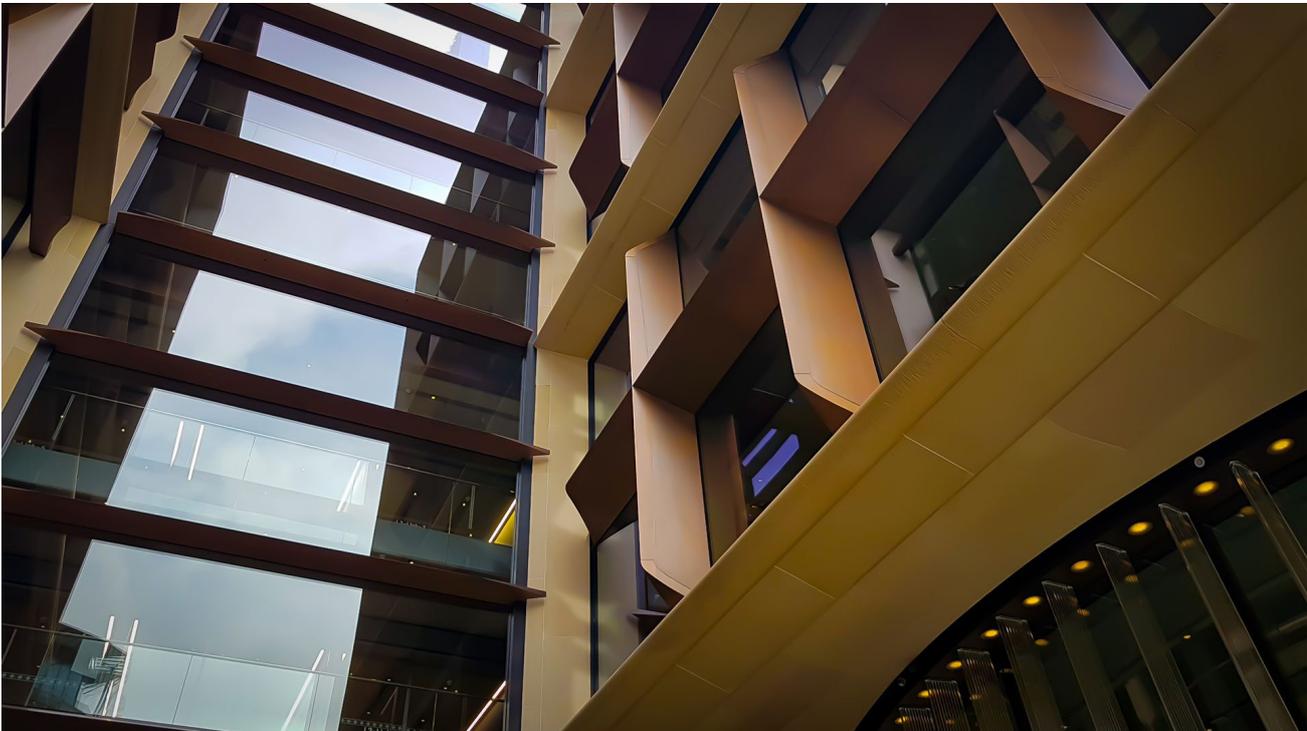


3D design coordination for award winning auditorium

Working for specialist joinery contractor TMJ, CADS coordinated the project designs including clash-detection for all 70 contractors involved in the auditorium fit out for media and data giant Bloomberg



Survey case study by
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Marketing manager
31/07/2017



Design coordination for global media giant

Specialist joinery contractor TMJ Interiors was appointed by main contractor Sir Robert McAlpine to fit-out the state-of-the-art auditorium at the new European Headquarters for media and data giant Bloomberg, located in Cannon Street, London. CADS was approached by TMJ to undertake a laser and measured survey with 3D design coordination of the auditorium.

3D model for clash detection

TMJ required a 3D model that would effectively coordinate the project designs of all 70 contractors working on the build, along with automated clash detection to eradicate any conflict between design, fittings and parts. The large volume of trades on site, the complexity of the proposed design and the number of services and components that needed accommodating within a limited space, meant that a different approach to coordinating the design was required.

Engineering accuracy with laser scanning

Our team surveyed the 'construction shell' within the auditorium and its associated areas using the latest laser scanning survey equipment and a control network to capture the high degree of engineering accuracy that was required.

Mark Johnson – National Account Manager, CADS:

"This is one of the most iconic buildings we've had the privilege to work on. It's a world-class project that has been designed by one of the UK's top architecture firms, it is only to be expected that the high-quality craftsmanship of TMJ Interiors forms part of this building's environment. Our team particularly enjoyed working with a company that wanted to use the latest technology and innovation to eliminate traditional challenges."



A coordinated, federated Revit model

CADS' role in the Bloomberg HQ auditorium resulted in an accurately coordinated, federated Revit® model that tested the consultants' and sub-contractors' design proposals in an as-built environment.

Our process of virtual construction identified the viability of the design before the work began and reduced the need for design and specification changes. This prevented costly delays to the programme, additional labour costs and material wastage when it came to installation on site.

The 3D model also aided communication to individual trade contractors, clarifying the context and site constraints that may have impacted on their design and installation.



Award winning design

Winner:
2018 RIBA Stirling Prize. Described by the judges as a "once-in-a-generation project"

Winner:
2018 British Council of Offices' (BCO) Awards. Winner of the National 'Best of the Best' award and the Regional 'Corporate Workplace' award

Shortlisted:
2018 Wood Awards. Shortlisted for the 'Interiors' category

Mark Hazell, Project Manager, TMJ Interiors:

"Having CADS on board meant we were able to establish a high level of detail from the offset.

Their depth of coordination during the 3D modelling process meant it wasn't just the big architecture items that were addressed, but also the smaller fittings and components, right down to the intricate lighting tracks.

The standard of accuracy we required for the Bloomberg auditorium fit-out could not have been achieved without the good data that digital technology enabled us to capture."

Ready to get your project started?

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