

CASE STUDY:

Infinity Here East Data Centre East London



Largest ever supply and installation of acoustic louvres in the UK

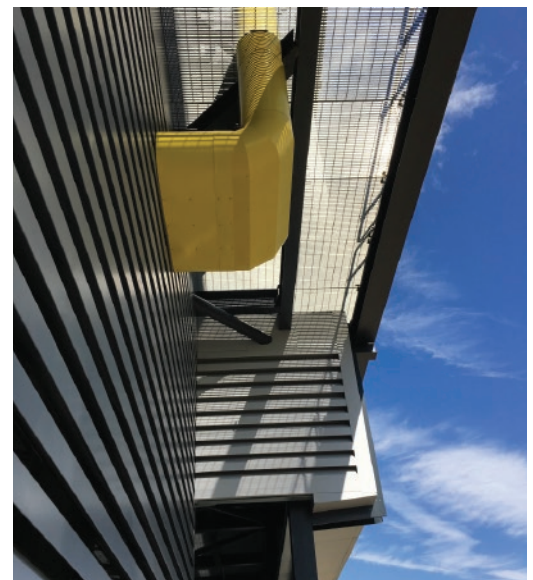
A unique engineering project at Here East Data Centre in East London, solves the complex and competing challenges of budget, visual aesthetics, acoustic performance and future flexibility of the building when installing new plant and machinery.

Demonstrating leading-edge design and precision manufacture of a modular acoustic louvre system, with easy on-site assembly, supported by a bespoke installation service by our experienced Project Managers.





- ✓ Largest ever UK contract for supply and installation of acoustic louvres at £2.67m
- ✓ Completed successfully on time and within budget
- ✓ Utilised our unique and visually stunning continuous line acoustic louvre system
- ✓ 3600m² of acoustic louvres and 600m² of acoustic panelling manufactured and delivered in more than 50 artic lorries
- ✓ Performance data backed by comprehensive testing to the relevant ISO standards.
- ✓ All supported using our integrated steelwork systems that were added to the existing steelwork building structure
- ✓ All products modelled in 3D using AutoDesk Inventor to ensure an accurate fit to the existing building and to automate manufacture



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Background

The Here East Data Centre in East London, was originally the media centre for the 2012 Olympic Games. Our client, Infinity, has a lease on the building and is searching for a tenant from world leaders in software or cloud computing.

The brief

We were initially asked to provide a cost for constructing a 4200m² facade of acoustic louvres and acoustic panelling, to prevent noise from the building's plant and machinery from disturbing local residents.

Our proposal was for a beautifully designed and highly engineered continuous line acoustic louvred cladding system supported by our own integrated steelwork structure. Allowing airflow to the plant and machinery, hiding it at the same time and substantially reducing noise levels locally were all key elements of the design. Our modular and highly flexible system allows panels to be removed and re-installed efficiently, making it easy to add or change plant depending on any tenants' specific requirements, in the future.

The acoustic louvres were combined with our acoustic panelling system on the ground floor, and additional work included extensive modifications to the existing steelwork building structure to accommodate our products and improve access.

The client did not hesitate when appointing Caice for this project as no other company in the UK were able to design and develop this complete system within the timescale or to the required budget and include performance data backed by comprehensive testing to the relevant ISO standards.



// Our decision to contract directly with Caice was based on their significant effort and response early in the design development stage of the project. We were very impressed with the initial approach and the continued on-going advice and support throughout the project, providing significant input at key stages.

They worked very well with our architects and structural consultants working collaboratively to the challenges of developing the scheme with the specific project constraints. Their creativity, enthusiasm and strong project management skills helped us to achieve precisely what we wanted, within our budget. //

John Belton
Program delivery director Infinity SDC



Why we should work together on your next project

By using AutoDesk Inventor, we will create a clear and accurate design solution to meet your unique requirements. This means a 3D virtual model can be developed and amended quickly and then approved by you. Saving re-development time and modifications, while generating accurate manufacturing information that minimises wasted resources and materials.

Our fully digitised and automated design, production and manufacture process are integrated, end-to-end. Enabling us to amend complex products, easily change details, alter dimensions and configuration options to fit your specific requirements and maintain accurate product design standards. So no double manual entry and no mistakes. Saving time, improving efficiencies up and driving unnecessary waste and costs down.

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