

London Stock Exchange



Floating Box-in-Box

CDM-ISO-MACHINE-FLOAT



St Pauls from the installation area

Client London Stock Exchange
Main Contractor Interior plc
Architect Gensler
Acoustic Consultant Sandy Brown Associates
Area 140m²

The new headquarters of the London Stock Exchange is in 10 Paternoster Square directly adjacent to St Paul's Cathedral. The main generator room for the building sits on the roof at 6th floor level and overlooks the dome of St Paul's itself.



The decking of the floating slab

The generator room is directly above main trading office and meeting room areas. The acoustic consultants specified that the generators and the internal enclosure were supported off a floating slab with bearings with a natural frequency of 7Hz.

The structural engineer specified that the 200mm thick slab could only be directly supported by the main building structure at 3m centres. CDM-UK used a special composite decking and specially designed CDM-ISO-LAT-SPECIAL isolation rails to support the slab.

The supporting blockwork was cut on site and levelled to ensure that the top of the floating slab met the level tolerance of the job.



View of the edge of the slab

CDM-ISO-LAT-SPECIAL rail

Blockwork support



The finished enclosure

The generators were then dropped onto the slab by crane and the internal and external enclosures built.

The resulting generator room cannot be heard in the new building.

This generator room must surely have the best views in the world!!



The finished enclosure

CASE STUDY – CDM-ISO-MACHINE

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