

Riverbank House, London, UK

CDM-MACHINE-FLOAT



Client
Main Contractor
Design Architect
Executive Architect
Acoustic Consultant
Structural Engineer
Details

Pace Investments
Sir Robert McAlpine
David Walker Architects
EPR Architects
Arup Acoustics
Ove Arup & Partners
11 inertia bases = 663m²

• Riverbank House is a new high-spec office development overlooking the North bank of the Thames between Southwark and London Bridge.

• On the roof of this relatively lightweight, long-span structure building are located four diesel stand-by generators, each weighing 67 tonnes, three cooling towers and four areas for tenant plant.

• To protect the occupants of the building from the noise and vibration of these machines we supplied and installed 11 CDM-ISO-MACHINE-FLOAT concrete inertia bases.

• To verify the design a full test base was built off-site. Vibration measurements were taken and the results analysed in a finite element analysis to prove no problems would exist when the generators were located on the roof.



Pictures taken Nov 2009



View from the roof of Riverbank House



CDM-MACHINE-FLOAT prior to concrete pour



Stand-by Generator Container on CDM-MACHINE-FLOAT

Industry

Project Reference