

Client	BBC
Main Contractor	Sir Robert McAlpine
Architect	Capita Percy Thomas
Acoustic Consultant	Arup Acoustics
Structural Engineer	URS
Details	CDM-ISO-SEB bearings = 25MN
	CDM-ISO-MONT-150 = 602m²

• The Hoddinott Hall is a new extension to the Wales Millennium Centre in Cardiff Bay. It has become the new venue for the BBC National Orchestra of Wales. The venue is specifically designed for rehearsals and recordings but also acts as a 350-seat concert hall.

• The concert hall is located directly above a car park and directly adjacent to many other noise producing and noise sensitive spaces. The acoustic consultant therefore specified that the concert hall structure, and those of the control room and music practice rooms must be isolated from the main structure to form box-in-box constructions.

• In the main auditorium where the weight of the walls and ceiling were very high the structure was supported using CDM-ISO-SEB elastomer bearings with lateral buffers to control horizontal loads.

• The floor of the concert hall was built using CDM-ISO-MONT-150 150mm thick jack-up concrete floating system with a 200mm jack-up void. In the other smaller rooms the walls and ceilings were constructed straight off the CDM-ISO-MONT concrete floating floors.



Opening Night Performance



Rehearsing



CDM-SEB bearing with lateral buffer



CDM-MONT jacks during installation