

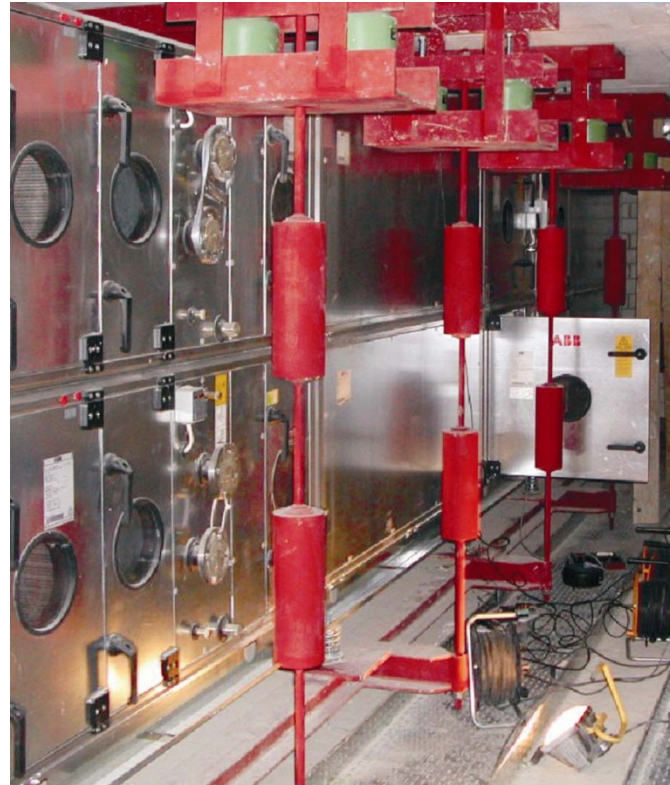


As part of the rehabilitation and conversion of the office and administration buildings of the German Bundestag as new broadcasting centre for the “Deutsche Welle”, novel and specialised steel construction techniques, materials and processes were applied in order to ensure the faultless operation of the studios.

In view of the complex situation, measurements were taken of impact-sound transmission from the ventilation centre to a broadcasting studio located diagonally underneath. In order to observe the limit curve GK10 inside the studios, a highly-effective impact-sound insulating mounting system was selected for the equipment of the ventilation centre.

Dimensioning of impact sound insulation; double-elastic mounting of air-conditioning equipment.

Special suspension system from the ceiling for the double-elastic mounted foundations of the ventilating equipment
In the air-conditioning centre.



**German Broadcasting Centre
“Deutsche Welle” in Bonn,
Sound Protection, Germany**

Project period
1997 - 2004

Services provided
Sound insulation proof in accordance with DIN 4109 for the entire building project

Technical details
Erection of a broadcasting centre consisting of 9 buildings with the following functional organisation:
Offices of the director, administration, technical directors, radio program (studios), ancillary rooms
Gross floor area 29 711 m²