

Sound Services

Noise Surveys and Noise Impact Assessments enable the specification and design of facade elements for proposed developments near to existing sources of noise (including residential developments, hotels, offices, schools and healthcare facilities).

Transportation noise sources such as roads, railways and airports, as well as noise from nearby commercial/industrial premises all need to be suitably controlled via the facade design to ensure internal noise levels compatible with the buildings use and function.

This could include a new ground floor restaurant with residential use on the first floor and the appropriate specification and design of the separating party floor, or noise breakout from the facade of a new music venue to residential receivers across the road and the specification of the external building fabric.

Noise from external areas such as outdoor restaurant seating, public house beer gardens, nurseries, multi use games areas, school playgrounds, or other such external noise sources can also be assessed.

Our services include noise assessments in accordance with specific Local Authority requirements as well as standards and guidance such as BS4142, BREEAM Pol 05, IEMA Guidelines for Environmental Noise Impact Assessment, DEFRA guidance on noise from pubs and clubs, BS8233, WHO Guidelines

Plant Noise Impact Assessments in accordance with Local Authority guidance and BS4142 for any type of mechanical plant such as Air Conditioning Units, Kitchen Extraction Systems, Chillers, Air Source Heat Pumps, Air Handling Units, Plant Rooms, Substations and Energy Centres

Our services include designs in accordance with relevant standards for all building types, such as Approved Document E of the Building Regulations, BCO, BB93, HTM08:01, BREEAM Hea 05, BS8233, as well as Client specific requirements.

We provide detailed assessments and prediction of mechanical services noise within residential, hotel, offices, schools and healthcare facilities to meet internal ambient noise targets, as well as suitable mitigation strategies and attenuation schedules.

Our on site noise surveys enable the estimation of an employee's exposure to noise (this needs to take account of the work they do or are likely to do; the ways in which they do the work; and how it might vary from one day to the next).

The assessment can then allow methods to control exposure to noise at the workplace e.g. provision of hearing protection, methods of reducing the noise of specific 'noisy' equipment, etc.



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