



C I R R I C U L U M V I T A E :

IAN MATTHEWS CEng MEng MIOA



QUALIFICATIONS



CEng Chartered Acoustic Engineer, 2011
MIOA Corporate member, Institute of Acoustics, 2005
MEng, Engineering Acoustics & Vibration, 2001
Registered sound insulation tester, 2011
BREEAM "Suitably qualified acoustician"
IOSH Leading Safely, 2023
First Aid, 2024 and Mental health first aid, 2023
CSCS Academically qualified, 2022
STEM Ambassador & IOA Post-Grad Diploma Tutor

ROLE: ACOUSTIC CONSULTANT

Background

I am the founder and principal consultant at Red Twin Ltd, providing specialist advice in the fields of acoustics, noise and vibration. I have 20+ years advising in construction, architectural and environmental acoustics and on-site measurement of both sound and vibration. My career started at BAe Systems (later Airbus UK) researching aerodynamic noise reduction and certifying aircraft for acoustic fatigue including all Airbus variants and some military assets. I later moved into acoustic consultancy and have gained a wide range of experiences in general acoustic practice including acting as an expert witness. I consider myself to have a personable and pragmatic approach and I have a reputation for quality and delivery, with clients and design teams across the UK. I now also teach the IOA post-grad diploma in acoustic and noise control.

Key Strengths

I am a highly qualified acoustician with specialisms in building acoustics and environmental noise. I have a wealth of experience of relevant projects including schools, universities, residential, offices and MOD facilities. This extends to knowledge of gaining environmental credits under BREEAM/DREAM/SKA specifications. I have good knowledge of local planning policy and a good rapport with the officers. I am a proven innovator holding a patent for an acoustic surface and am technically capable to look for and assess bespoke solutions. My record of successful delivery is enviable, and my personable approach and people skills help incorporate the acoustic engineering into any design team. The team at Red Twin are handpicked by me to uphold the same standards of care.

Responsibilities

My team and I will take responsibility for all aspects of the acoustic engineering, achievement of environmental credits relating to acoustics, and on-site testing to prove performance. This will typically cover aspects like indoor noise, sound insulation between rooms to avoid disturbance and to maintain privacy, control of reverberation so rooms are comfortable and speech is intelligible and assessing noise impact to the surroundings particularly where new mechanical systems are required.

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RECENT AWARDS:

ANC ACOUSTIC AWARDS - WINNERS

ARENA TORQUAY, TORQUAY

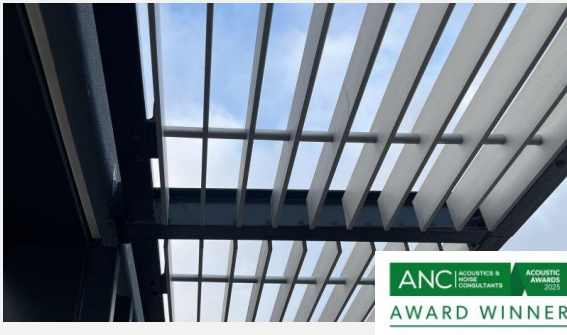


The dramatic revival of a derelict and acoustically problematic former nightclub into a 1200 capacity entertainment venue and cultural asset for Torquay.

Red Twin Limited played a pivotal role in license negotiations with the Council and easing a deadlock allowing the operator to lease the property. This was followed by a full acoustic strategy and detailed design to limit noise egress and comply with the license conditions.

The project is an award WINNER at the Association of Noise Consultants Awards 2026 (Small Consultancies)

WHISTLING BUILDING, UK



Red Twin Limited were approached by the owner of a newly refurbished building which would emit a whistling sound in high winds. The issue had escalated with numerous complaints received.

We undertook on site measurement of sound and weather conditions to correlate the conditions the whistle occurred and to locate the source. We then provided detailed consultancy advice to remedy the issue and assisted locating suitable materials for the fix.

The project WON the national Association of Noise Consultants award in the Environmental Noise category 2025.

LADY'S WOOD SHOOTING SCHOOL, BRISTOL



Red Twin Limited were appointed by the shooting school to help them reduce the sound of gunshot emanating from the school to their neighbours.

The project involved a considerable amount of site based measurement to characterise the sounds made by shotguns in various orientations, and to understand how the sound propagated to long-range receptors.

The project WON the national Association of Noise Consultants award in the Environmental Noise category 2024.

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