



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

IAN MATTHEWS CEng MEng MIOA AMIMechE**QUALIFICATIONS**

CEng Chartered Acoustic Engineer, 2011
MIOA Corporate member, Institute of Acoustics, 2005
AMIMechE, Associate member, Institute of Mechanical Engineers, 2001
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 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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