

### Statement of Capability

Acoustical Investigation & Research Organisation Ltd (AIRO) was established in 1958, so can provide the benefits of over 50 years of providing technical expertise and measurement services in the field of acoustics. Being an independent private company, free from any corporate connections with building or noise control products, AIRO can be seen to offer an unbiased professional service to its clients.

From a total staff of 10, AIRO has 7 professionally qualified and experienced staff 4 of whom have more than 25 years experience working in acoustics at the company. This provides the benefits of continuity and personal knowledge of the business of delivering all scales of development, the depth of knowledge to be able to "tell it how it is" where necessary, being able to contribute constructive ideas and solutions to resolve design issues where they arise and an ability to work successfully with the wider project team.

Also, AIRO has a proven track record of conducting on-site measurements with the vast majority of such measurements relating to sound insulation issues associated with The Building Regulations. AIRO conducts hundreds of on-site measurements a year for developers and/or manufacturers relating to performance testing according to Approved Document E.

AIRO provides comprehensive acoustical measurement services. Our well established laboratory complex includes 3 horizontal transmission suites, 1 vertical transmission suite and airflow facilities. We have a wide range of measurement equipment including sound intensity instrumentation. Sound insulation measurements are a specialism, and for example AIRO has measured the sound insulation of around 800 different systems in the laboratory over the last 10 years alone.

AIRO's consultancy services range over many facets of acoustics, noise and vibration. A considerable proportion is related to the acoustics of buildings, including sound insulation between internal compartments and of the external building envelope.

Resulting from our wide experience with the building industry, AIRO is aware of both technical and practical issues of building design and construction. AIRO has worked with many client firms in the house-building industry, some through formal partnering consultant agreements, and is pleased to note a growing understanding on the part of our clients of the value of early design advice.

Since 1987 AIRO has maintained accreditation by the accreditation body now known as the United Kingdom Accreditation Service (UKAS). AIRO is accredited for all of the key measurement standards referred to in Approved Document E, both on-site and in the laboratory. Via the internal and external audit processes, AIRO's commitment to the highest quality of measurement work is amply demonstrated.

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