



Anderson
Acoustics

Acoustics in the built environment
For a better quality of life

“Instrumental in overcoming quite an acoustic challenge”

Jon Barrenechea, Picturehouse Cinemas



At Anderson Acoustics we help our clients achieve their vision. We work collaboratively with architects, planners, designers and contractors to create great sounding spaces.

From schools and offices to homes and performing arts venues, the acoustics of a building has a **huge impact on our value of that space**, directly affecting everything from quality of life to our ability to enjoy, concentrate, learn, communicate efficiently and be productive.

Whether we are cutting out noise from the outside world or designing the acoustics of a theatre, we use our **experience and expertise**, along with cutting edge technologies, to help create spaces which are effective and sustainable in their intended use.



**MIXED USE
& RESIDENTIAL**

“Anderson Acoustics provided **an excellent service** throughout the project phases. Onsite testing was always **undertaken professionally** and I continue to use the excellent service they provide” Chris Page, Denne Construction

Open Market, Brighton, UK

Sustainable mixed use and residential development

The regeneration of Brighton’s historic Open Market included the construction of over 80 new affordable homes while transforming the area into a vibrant space gathered around a public market square

Anderson Acoustics was involved throughout the project, helping to achieve consent at planning stage and then providing detailed acoustic advice to enable the client to achieve their vision of bringing the area back to life.

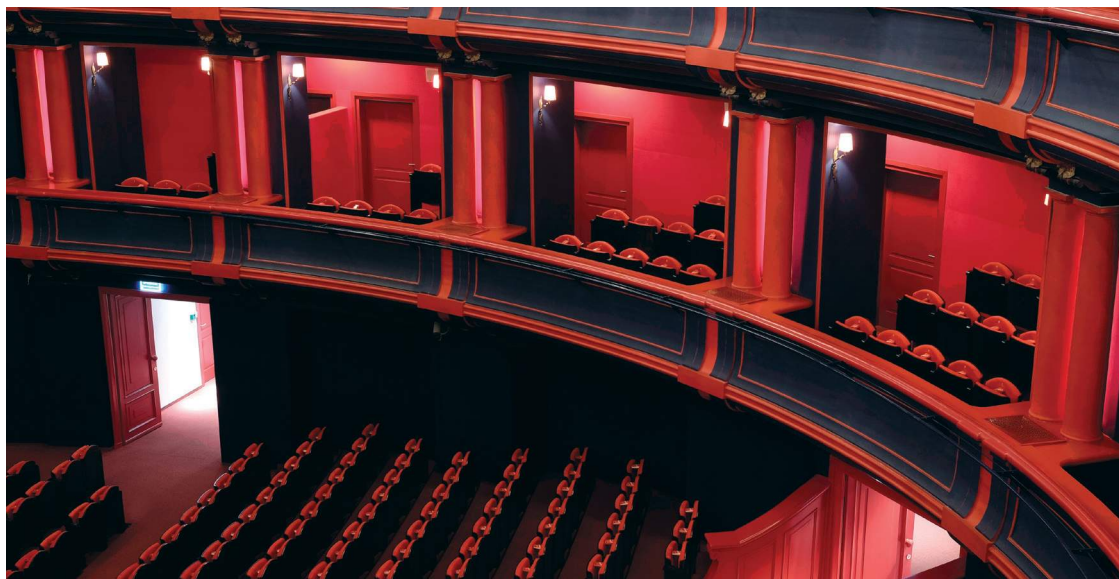
During the planning stage we provided recommendations for façade design, crucial to ensuring that external noise from local roads, the operation of the market and neighbouring businesses was controlled within the housing units.

At the design stage our advice on the sound insulation of separating partitions helped the development achieve a 'BREEAM excellent' rating and Code for Sustainable Homes credits.

The finished result is a vibrant social and commercial environment that also provides affordable, high quality homes.



PERFORMING
ARTS



ROMA Musical Theatre, Warsaw, Poland

Theatre acoustics and site supervision

Anderson Acoustics collaborated with the ROMA Theatre providing strategic design advice and onsite supervision to achieve world class acoustic conditions for this 1,000 seat venue.

The theatre stages some of the world's greatest musical productions under the direction of Wojciech Kępczyński. We provided advice for room and building acoustics, mechanical services and sound system design to inform the refurbishment process and guide the acoustic project development.

During design, the key aspect was to ensure that the acoustics of the space enabled the ROMA to achieve the high artistic and production standards they are famed for. The use of 3D acoustic modelling, build inspections and extensive room testing were key tools in achieving this goal.

“During the project development and construction phase Anderson Acoustics has provided a **high level of expertise** in optimising the acoustics of the theatre based on their extensive previous experience. The collaboration was smooth and their support **always clear and on time**”

Ewa Bara, Director, ROMA Theatre



“Anderson Acoustics were instrumental in **overcoming quite a challenge:** building two cinemas on top of a loud night club with no acoustic leakage. Thanks to their advice both venues are able to operate with no sound spill between the two. **They were professional, efficient and a pleasure to work with**”

Jon Barrenechea, Project Development Manager, Picturehouse Cinemas

Duke's at Komedia, Brighton, UK

Acoustic design for a multi-purpose entertainment venue

Anderson Acoustics provided acoustic advice for the conversion of part of the existing Komedia entertainment venue into two new adjoining cinema auditoriums.

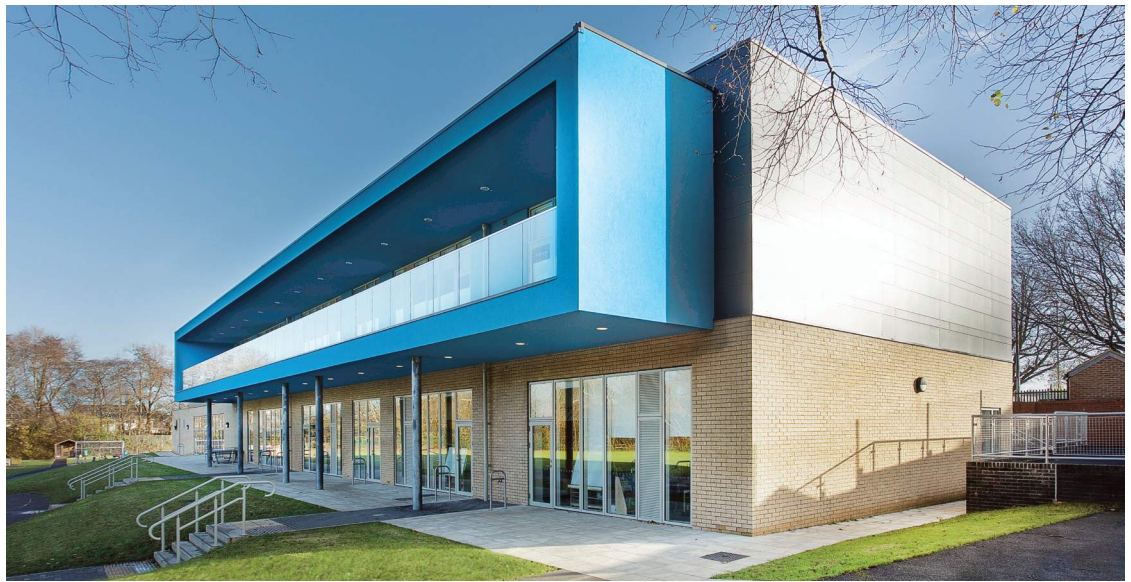
Komedia is a well-established live music and comedy venue in the heart of Brighton, renowned for its great atmosphere. The key challenge of this project was that the new cinema screens were to be located directly above the main venue. Careful acoustic design was required to allow patrons to enjoy films without disturbance from live music below.

We undertook a series of sound and vibration surveys to determine the main transmission paths from the music venues to the cinema auditoriums. Working closely with Panter Hudspith Architects, our solution was tailored to achieve the desired outcome. This included a carefully engineered floating floor system to provide the required acoustic separation between the different spaces. We also provided acoustic advice on the internal finishes and ventilation systems to ensure the internal acoustics of the cinemas would deliver state of the art sound quality.

The result is an incredibly popular cinema experience that has been well received and a venue where live music and cinematic performance can be simultaneously supported.



SCHOOLS



Arunside Primary School

Designing acoustics for learning

Anderson Acoustics provided acoustic design advice on a large two storey extension to Arunside Primary School.

The brief was demanding – to provide an inclusive learning facility with several classrooms, a hall and a large double height atrium space for open plan learning area and ICT 'Hub'.

The biggest challenge was to sufficiently control sound transfer through the double height atrium space, which was also to be used as a teaching/learning environment. Detailed calculations were carried out to inform our client on the type, placement and area of acoustic absorption to make the space a viable open-plan learning environment.

The result is a teaching space that provides a great learning environment which meets the Architect's design vision whilst satisfying the requirements of the client and Building Control.

“ Anderson Acoustics were very helpful throughout the design process for Arunside School using their experience to **ensure we achieved the acoustic environment we needed.**

They worked as an integral member of the design team from the concept work through to detailed design and specifications. We have **continued to employ Anderson Acoustics** as our acoustic consultant for all school work ”

Lee Morgan, Sunninghill Construction Company Ltd



SOUND INSULATION TESTING

500
successful sound insulation
tests conducted

Pulse, Colindale Phase 1, UK Residential Development

Anderson Acoustics provided pre-completion sound insulation testing for this mixed use development of over 1,000sqm of commercial space and 726 residential units.

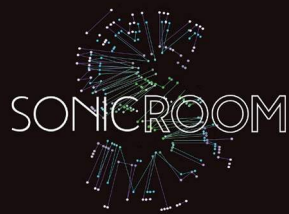
The development sought to provide better living standards including an enhanced level of sound insulation under the guidance set out in the Code for Sustainable Homes.

Working closely with the client, Fairview New Homes, a programme of sound insulation testing was drawn up to suit the development's needs. More than 500 successful sound insulation tests have been conducted, all within the desired timescale and with no handover delays.

Our collaborative approach on this project has enabled us to quickly and efficiently undertake the work required, reducing the number of site visits, and minimising costs to the client. We continue to work with Fairview New Homes on the remaining phases of the development.

“ We have worked with Anderson Acoustics for almost 5 years now as our sound insulation test provider on **more than 30 developments**. They have been flexible, reliable and have ensured we **achieve the desired outcome** whenever challenging situations have arisen ”

Allyson Spratt, Fairview New Homes Ltd



At Anderson Acoustics we aim to empower our clients, helping them to make those important design decisions. We realise that sometimes talking in acoustic terms has its limitations. We think it's better to listen.

Using our SonicRoom and advanced acoustic modelling tools, we can create a listening experience (auralisation) for our clients to demonstrate the sound of a space or environment before it has been built. This includes auditoriums, sport venues, classrooms, transport hubs and shopping malls as well as offices, homes and external spaces.

We believe that speaking the same language is the first important step towards a positive and constructive collaboration.



WHAT WE DO

NOISE & VIBRATION MITIGATION

We provide noise and vibration mitigation advice and design for a range of solutions from environmental sources such as roads, rail and underground trains, to building services and occupational related activities.

Our team supplies strategic input on building design to minimise future noise and vibration issues and to avoid expensive retrospective mitigation measures that might arise from inaccurate planning.

ROOM ACOUSTIC DESIGN

Minimising the impact of noise and vibration sources is not always enough to guarantee an adequate acoustic environment. Many rooms such as classrooms, offices, lecture halls, recording studios or performing arts venues require a careful control of the internal sound propagation. We provide acoustic design input that takes into consideration room shape and size through to the internal material selection and placement in order to create the best possible conditions for the space.

SOUND INSULATION DESIGN & TESTING

We provide sound insulation design advice across a range of building functions. Be it insulating adjacent noise sensitive spaces through separating walls and floors such as residential units, insulating buildings from the external environment or the environment from activity within multi-purpose buildings. We have the experience and knowledge to ensure the design requirements are met.

Since gaining UKAS accreditation in 2007 we have undertaken over 6000 sound insulation tests on a wide variety of residential and commercial premises.

SUSTAINABILITY

From BREEAM requirements to Code for Sustainable Homes we provide advice on sustainable acoustic solutions. Compliance with standards and regulations is important but we like to think that any investment should not just be a compliance exercise but should also bring added value and improve the quality of life for future users.

SOUNDSCAPES

The modern built environment: the domestic home to the skyscraper, the underpass and everything in between offers a visually stunning and sometimes sonically forgotten environment.

In the same way that a landscape comprises the visual features of a location, a soundscape encompasses the acoustic features that give identity and a sense of place.

We support architects, urban planners and policy makers to inform and shape design decisions through the use of our SonicRoom, creating solutions that improve and enhance the sound of our ever evolving cities.

As part of the broader Placemaking design approach, we think that a more conscious effort in Soundscape design would help to capitalise on local community assets, inspirations and has the potential to promote health and happiness.

Acoustics for a better future. An acoustics consultancy making a conscious contribution to improving quality of life and enable a sustainable future.

Great people. Driven by quality. Technically robust.



The company was formed in 2006 and has become a successful and respected consultancy with a reputation for delivering a reliable, honest, friendly and professional service.

We provide acoustics services across the construction, infrastructure, airports, environmental, schools and building acoustics sectors (including UKAS accredited sound insulation testing) and have been involved in small to very large scale projects, ranging in value from under fifty thousand to billions of pounds (across the UK and internationally).

We pride ourselves on developing an excellent understanding of our clients' needs; working collaboratively, wherever possible adding value to secure successful and sustainable outcomes.

With teams based across our Brighton and London offices, we have grown to become one of the largest specialist acoustic consultancy practices in the country, meaning we can deliver on the most challenging projects.



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