KP Acoustics Research Labs Ltd

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CPD Overview

KP Acoustics are the global experts in acoustics. ?

We work across four distinct areas including Consultancy, Environmental Monitoring, Research and Training as well as developing revolutionary acoustic monitoring technology eNView™. ?

We continuously listen to our clients and the markets changing needs, to deliver a highly targeted service, underpinned by our world leading in-house research, training and development capability. ?

Our approach is to offer sound advice and robust solutions, the KP way.?

Discover tailored Acoustic Consultancy services to meet your architectural needs. Our experts offer professional advice, solutions, and support for a wide range of acoustic-related issues, including noise control, vibration analysis, speech intelligibility, acoustic design, and building commissioning.
With extensive technical knowledge, skills, and experience, we deliver customised solutions to various client needs. Our services cater to industries such as construction, transportation, entertainment, and manufacturing, helping clients comply with noise regulations, enhance sound quality and design, and improve overall acoustic performance.

Experience the comprehensive suite of managed environmental monitoring services by KP Monitoring. Our real-time monitoring and management solutions address the impact of environmental factors on human health, structural integrity, safety, and wellbeing. From noise and vibration to air quality and structural monitoring, we provide simplified packages starting from just £70 per week, ensuring convenience and peace of mind for our clients.

At KP Acoustics Research Labs, we empower individuals with the technical knowledge, skills, and techniques necessary for success in the field of acoustics. Our diverse training programs encompass classroom instruction, online courses, government-approved apprenticeships, and tailored in-house initiatives to meet specific organizational needs.
Whether you're a beginner or an experienced professional, our wide range of Accredited courses, recognised by esteemed institutions such as the Institute of Acoustics, CPD Standards, and RIBA, caters to all levels of expertise. 35 accredited courses, covering topics such as noise control, sound quality, vibration analysis, and speech intelligibility, or contact us directly to discuss options on a bespoke course specific to your organisational needs.

As a part of KP Acoustics Research Labs, we offer Acoustic Research Management and state-of-the-art facilities for scientific investigations into sound and its properties across various applications. From theoretical studies to laboratory experiments and field research, we contribute to the development and improvement of technologies while advancing scientific understanding of sound. The insights gained through our acoustic research services inform the creation of new products, the implementation of cutting-edge technologies, and the enhancement of existing solutions.

At the core of our mission is helping individuals and organizations achieve their noise control, sound quality, and acoustic performance goals. Partner with us, and experience unparalleled team capabilities. Whether your project is large or small, we remain dedicated to delivering exceptional services at every step of the way.

Available CPD Material (5)

Environmental Noise and Planning

The presentation looks at the adverse effects of environmental noise and how this is addressed in environmental noise policy and regulation. It goes on to cover key guidance on noise with regards to planning of development, guidance on sound insulation requirements and the professional practice guidelines on noise and planning. It covers the scope and practice of industrial and commercial noise regulation and the principles of noise surveys for planning purposes.

Material type:	Online Learning
RIBA Core Curriculum:	Design, construction and technology Legal, regulatory and statutory compliance
Knowledge level:	General Awareness

Principles of Room Acoustics

The presentation looks at the fundamentals of building acoustics, including the key aspects of what affects the sound quality inside an enclosed space. This aims to give attendees a good understanding of core parameters of rooms acoustics, the acoustic challenges in rooms for different purposes and outline approaches to mitigate poor acoustic performance.

Material type:	Online Learning
RIBA Core Curriculum:	Design, construction and technology
Knowledge level:	General Awareness

Fundamentals of Sound Insulation

The presentation looks at the fundamentals of sound insulation and sound transmission, which is one of the core aspects covered by the building regulations, and which also contributes to other certification schemes such as BREEAM. It first examines the principles of sound absorption, reflection and transmission, considers the building regulations and in what situations these cover sound insulation, and then examines the principles of sound transmission and sound insulation in different settings, including structurally transmitted and airborne sound. It concludes by looking at how sound insulation performance can be improved through good design.

Material type:	Online Learning
RIBA Core Curriculum:	Design, construction and technology
Knowledge level:	General Awareness

Sustainability in Acoustic Design

The presentation looks at the concepts of sustainability in acoustic design. Starting with the principles of sustainability and the UN and RIBA sustainability goals, it examines the areas of sustainability most impacted by acoustic design and products, and then examines the most commonly used acoustic products and sustainable alternatives for both sound absorption and sound insulation purposes.

Material type:	Online Learning
RIBA Core Curriculum:	Design, construction and technology Sustainable architecture
Knowledge level:	General Awareness

Causes of Acoustic Failure

This CPD looks at the fundamentals of acoustic failure - the failure to achieve acoustic design or regulatory parameters. It examines the key types of acoustic failure - failures in planning, in deign or in workmanship, and then goes on to look at examples of different types of acoustic failure. The main focus is on failure in sound insulation performance as this is the primary regulatory failure at pre-completion testing or commissioning.

Material type:	Online Learning
RIBA Core Curriculum:	Design, construction and technology
Knowledge level:	General Awareness

Classifications

Subject/Product Areas (CI/SfB)

General products
Flexible proofing/separating sheet membranes > Advisory organisations

Other
UNKNOWN > Advisory organisations

RIBA Core Curriculum areas

Design, construction and technology
Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance
Knowledge level: *General Awareness*

Sustainable architecture
Knowledge level: *General Awareness*