

Innovation Award

Sponsored by  MASON UK LTD
Vibration Control Products
& Acoustic Floor Systems



★ **Joint Winner:** PDA, *Hambleton Crematorium*

The element of this project that took it beyond conventional acoustic consultancy services arose out of a need to provide an innovative and sustainable absorption solution for the crematorium service hall to meet both costing and aesthetic requirements.

The consultants worked with a sub-contractor to design and develop a sustainable timber based slatted product which met the aesthetic requirements while representing a significant cost saving. They undertook the product design utilising a combination of proprietary modelling software and acoustic cavity and slatted absorber theory backed up with available manufacturer test data. To facilitate the design, they obtained flow resistivity and density data for available mineral wool and material facing products and included these figures in the design calculations

to ensure the acoustic performance was maintained. The innovation award recognises the design of a new product that has market value for use elsewhere along with the use of innovative materials.

In 2024 this award is presented jointly to three projects which all displayed innovation in different ways, namely with product use; application of Building Information Modelling; and research.

ACOUSTIC AWARDS 2024

These awards demonstrate the unique skills of UK based acoustic consultants in addressing challenges, championing innovation and originality and showcasing the significance of a profession which blends art and science to transformational effect.