

ACOUSTIC AWARDS 2023

Now in their 10th year, the ANC awards highlight the unique skills of UK based acoustic and noise professionals, and the dynamic and diverse nature of the industry overall, to inspire the next generation of acoustic consultants. These accolades demonstrate excellence among ANC members in addressing challenges, championing innovation and originality and showcasing the significance of a profession which blends art and science to transformational effect.

Sustainability



WINNER + **Stantec UK Ltd: Sustainable Commercial Office**

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It's not magic, it's engineering.

This project is based in Sydney's Technology Precinct and comprises 39 levels of commercial, retail and residential accommodation, created from an innovative structural approach with a series of seven 4-storey timber structure habitats contained within a steel and glass shell. With concrete, steel and glass being the biggest contributors to embodied carbon, this innovative hybrid approach extends the height that such structures can safely be built to, whilst simultaneously reducing its carbon impact.

In addition, the project contains a heritage component consisting of an early 20th century timber post office parcel shed that has since been converted for short term accommodation. This heritage building will be dismantled to allow for basement excavation before being replaced to form part of the new short-term hotel/hostel accommodation below the commercial tower.

The forward-thinking and sustainable approach puts the building on track to become the world's tallest commercial hybrid timber-steel building and will set the benchmark for how other commercial buildings will be constructed in the future.

The entire project team was tasked with finding the best initiatives in sustainable construction using mass timber and low carbon materials and practises, whilst still maintaining high standards of user comfort and acoustic separation.

The judges were impressed how well thought through the sustainability aspect of the project was concentrated on from the outset and this has been evidenced by the accreditations it is targeting, including a green star rating.

The different types of sustainable materials used were noted including polyester based insulation and individual resilient clips made from recycled tyres. The judges were also pleased with the biodiversity aspect with the amount of habitat and green spaces identified from the project which have been beneficial from a health and wellbeing perspective. The amount of collaboration needed for a project of this size was highlighted, along with some very complicated issues which will be further considered during the construction phase.

The Construction Manager on the project noted:

"The aspiration of the project has always been to set the benchmark for how other commercial buildings will be constructed in the future. Our project team searched the globe for the best initiatives in sustainable construction using mass timber and low carbon materials and practises."

