

CASE STUDY

DUAL PANEL NOISE ATTENUATION SCREEN



Background

The St George Hospital in Kogarah, NSW, recently upgraded its premises. The construction noise during the renovation was adversely affecting the hospital's customer service call centre that was located within 10 metres of the demolition works. The option to relocate the call centre to another location within the hospital was too costly and without a quick noise mitigation solution, hospital management was considering adjourning the construction works.

Solution

ModularWalls designed and constructed a customised solution for this project based on the distinctive and challenging acoustic requirements. A 4m high double panel system was installed on the outer face of the building to surround the call centre. An air gap in between the panels provided superb acoustic insulation and a cavity to reduce reverberation. A custom mounting system was developed to suit the site resulting in a very fast and efficient installation. The entire solution was installed in just 6 days and a noise reduction of 40dB (weighted level of difference) was achieved. This is equivalent to an 8 fold audible reduction. This is another example of why ModularWalls is in the forefront of innovation and is able to custom design a noise abatement solution for its clients based on their unique requirements.

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- Proven acoustic performance
- Cost effective
- Durable, lightweight modular construction
- Quick and easy installation
- Suited to environmentally harsh and remote locations

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