

A UNIQUE FACILITY

The Kinghorn Cancer Centre is designed to integrate and facilitate translational research and foster a personalised medicine approach to cancer.

ARCHITECT : BVN Architecture Pty Ltd
MULTI-SERVICES ENGINEERING CONSULTANT: Arup
STRUCTURAL ENGINEERING CONSULTANT: SCP Consulting Pty Ltd
QUANTITY SURVEYOR: WT Partnership Pty Ltd
COMPLETION : May 2012

A REAL CHALLENGE

John Wassermann of Wilkinson Murray has lead the noise and vibration team for the Kinghorn Cancer Centre. They have worked on a number of other complex projects, including the John Curtin School of Medical Research in Canberra. The Kinghorn Cancer Centre is a collaborative initiative of the Garvan Institute of Medical Research and St Vincents and Mater Health Sydney.

"Apart from the typical architectural acoustic issues that arise in such a complex medical research building, the most interesting thing about this project was the development of a new innovative real-time noise and vibration monitoring system to protect existing mice test subjects within adjacent laboratory environments," said John Wassermann. A colleague, Ben Lawrence added, "One of the real challenges was developing acoustic technology that would accurately report impacts on the mouse population within the clients laboratory environment. We were successful in producing a reliable system providing valuable feedback during the construction process."

Wilkinson Murray has been operating for over 50 years as an Acoustics Consultancy specialising in noise and vibration. "A key for us is our ability to provide specialist advice relating to the more complex acoustic issues. To achieve this, we adopt a high level of technology in our analysis and modelling," said John Wassermann. The Kinghorn is due for completion in mid to late 2012.

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HIGH PERFORMERS

Icons are not built every day. They evolve from a passionate desire or an absolute will, forcing their way up from their surroundings and imbedding themselves in our urban landscape. Often architectural icons are a reflection of an ego, a desire to inflict a point of view, or just to plain show off.

The Kinghorn Cancer Centre appears to have a much nobler heritage. It is a collaborative initiative of the Garvan Institute of Medical Research and St Vincents and Mater Health Sydney. It is assisted by public donations and a substantial grant by the federal government. The new facility will integrate the Garvan Institute's internationally acclaimed cancer research with the best practise clinical care of St Vincents.

Paul Siewert of SCP Consulting has lead the structural team for this prestigious project. SCP's experienced team has worked on a number of similar projects, including the Lifehouse at Royal Prince Alfred Hospital. "The most complex thing about this project has been the design of the 9 storey atrium structure," he said. "Together with the site constraints and the challenging design provided by BVN Architects, this has been an immensely rewarding structure to design."

SCP has been operating for over 30 years in structural and civil design. Their experienced team is supported directly by senior management, a key approach for SCP. "We aim to provide a 'no gaps' approach" said Paul "It is an honour to be associated with this magnificent project, which will provide positive outcomes for all patients and all who work in cancer treatment." The centre will house 365 scientists, clinicians and support staff in a 9 storey building on Victoria Street Darlinghurst. There will also be a further laboratory and plant level together with 4 levels of parking below ground.

The Kinghorn Cancer Centre is due to be completed mid to late 2012.

For more information contact SCP Consulting, Level 2, 507 Kent Street Sydney NSW 2000, phone 02 9267 9312, fax 02 9261 5871, website: www.scpconsult.com.au

