

PROJECT PROFILE

JOAN SUTHERLAND PERFORMING ARTS CENTRE

Architectural Firm: Sutera Architects
Architect: Matt Kenchington
Location: Penrith, NSW

The Joan Sutherland Performing Arts Centre underwent a \$14 million upgrade, including a new foyer and exhibition space, conservatorium and 400-seat drama theatre. The new design provides a suitably dramatic entrance for 'the Joan', which fulfils an important role in the cultural and social life of the area. Central to the project brief was the integration of environmentally sustainable design (ESD) principles with the intention of creating a benchmark public building for the Council's sustainability program.

Breezway offers Australian made louvres that provide natural ventilation, which can be motorised and used in conjunction with a mixed mode air conditioning system. This provides an energy efficient and environmentally considerate solution, while enhancing the comfort and aesthetic appeal in the building. As part of the Environmentally Sustainable Design (ESD), this method uses approximately 40 per cent less energy than a standard temperature control device.

Matt Kenchington from Sutera Architects said, "The vision for the foyer is to provide natural ventilation for the majority of the year using Breezway louvres in conjunction with the mixed mode system to support peak periods including long duration events."

Breezway Altair[™] Louvre Windows were used extensively in the foyer area, with an automation system linked to temperature sensors. This motorised system opens and closes the louvres depending on the air conditioning use and environmental conditions. For example, the louvres are automatically closed when the air-conditioning system is activated.

The Breezway proprietary horizontal security bars were also used to ensure maximum protection for the building while complimenting the design of the louvres.

Contact: Breezway on 1800 777 758 or visit www.breezway.com.au for more information.



The Joan Sutherland Performing Arts Centre project incorporates Breezway Altair[™] Louvre Windows into this project to improve energy efficiency.