

Media Release

....for immediate release (16 August 2006)

Energy Efficiency Accolades for New SHAW Technology

At the prestigious NECA (National Electrical and Communications Association) Industry Gala Dinner held at the Adelaide Convention Centre on Friday August 11th, Air Con Serve Pty Ltd were awarded the **Environment and Energy Efficiency Winner** for addressing the issue of humidity control and long-term energy savings with the recent air conditioning upgrade at the **Art Gallery of South Australia**.

General Manager, Mr Wayne Ryan said "Air Con Serve was engaged to provide the design, engineering and installation services for the implementation of the SHAW Method of Air-Conditioning into the West Wing of the Art Gallery of SA". "This new method of air-conditioning employs a design based on known separate engineering principles, integrated into a single solution – thereby optimising energy and comfort performance of the entire air conditioning plant" said Mr Ryan.

Mr Ryan said the "strict international standards require Art Galleries to have close temperature and humidity control, which has imposed substantial energy demand by conventional air conditioning plant in the delivery of these requirements".

The introduction of the State Governments Energy Efficient Action Plan, meant that Arts SA were eager to reduce air conditioning energy but without any sacrifice to the quality of air conditioning. Air Con Serve implemented the SHAW Method into the Gallery over an 8-week period in July and August 2004.

Independent auditors, Connell Mott MacDonnald, reported direct savings from the installation of the SHAW Method in October 2005. Reports showed that the Maximum Energy Demand had reduced by 14%, with the Cooling Refrigeration Loads showing a 58% cooling energy reduction to SHAW retrofitted galleries. Gas reductions attributed to SHAW technologies were also calculated at 75%.

"Air Con Serve was successful in achieving reduced air conditioning energy by 50% nominally" said Mr Ryan. "Significant improvements were recorded to indoor air quality (temperature and humidity control), reduced greenhouse emissions, water and chemical usage, with a four year simple interest payback for the Art Gallery of SA."

This is the **world's first** installation of the SHAW Method in an Art Gallery, and only the third installation world-wide; with the other installations being in the Barmera Hospital, South Australia and Siam Cement Headquarter Building in Bangkok, Thailand.

"An Australian invention and patented in many countries, the achievement of the SHAW Method of Air Conditioning at the Art Gallery of SA is of world significance in the reduction of Greenhouse emissions" said Mr Ryan. "This site has now become a valuable reference site in promoting this technology worldwide".

Air Con Serve are a privately owned South Australian company which operates as a specialist in building Automation system and controls contractor, performing commercial and industrial work. With a staff of 15 people they have a strong commitment to quality and innovation, and are a major shareholder of the Patented SHAW Method of Air-Conditioning.

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