

SA NEWS



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HIGH EFFICIENCY AIRCON SYSTEM TAKES CLEANTECH PRIZE

An air-conditioning system that can reduce energy consumption and greenhouse gas emissions in commercial and industrial buildings by up to 85 per cent has won the *Australian Clean Technologies Ideas Competition*.

SMAC (*Shaw Method of Air Conditioning Technologies*) was announced as the competition winner at an awards gala dinner in Sydney last night, attended by Australia's leading innovators in the cleantech community.

Innovation Minister Senator Kim Carr said that entries in the competition – an initiative of the Supplier Advocate Program and Clean Technology Focus for Supply Chains Program – demonstrated the commitment and ability of Australian businesses to embrace environmental sustainability.

"The SMAC technology has already been used in projects supported by the Gillard Government's Green Building Fund, helping reduce the carbon footprint of our buildings," Senator Carr said.

"This type of technology not only builds strong new Australian-based manufacturing industries, but also helps existing industries to be more globally competitive and resilient to price rises.

This air conditioning technology ticks all the boxes in helping tackle climate change and cutting our carbon footprint."

The winning SMAC technology is equally suited to retrofitting as well as to new energy efficient buildings. The award was announced by the CEO of Commercialisation Australia, Doron Ben-Meir. He said the air conditioning system not only cut energy usage, but cut costs too.

SMAC Technologies and other finalists were mentored by the Innovation Department and competition partners. This gave them the necessary business acumen to help take their ideas to the global market.

SMAC will represent Australia at the international *Cleantech Open Global Ideas Competition* in the United States. The company will compete against entrants from 90 countries for over \$100,000 in services to help launch their idea. They will also have a week of mentoring, meetings with investors, business services and other entrepreneurs at the International Awards Gala in November 2011.

The competition is supported by Enterprise Connect, Commercialisation Australia, the CSIRO and Austrade. For more information and to view videos of the finalists, go to: www.cleantechopen.com.au



MEDIA RELEASE

SENATOR KIM CARR

Minister for Innovation, Small Business and Export Finance

On behalf of all of the members of the AMCA SA, we would like to extend our congratulations to all of the team at **SMAC Technologies** and in particular industry stalwart Mr. Wayne Ryan, on the recognition of their system that this national award bestows.



A Word from the CEO:

"I reflect back on the previous month each time we prepare this newsletter and every month I am touched by the generosity of spirit and the enthusiasm of the supporters who surround us.

A few days ago I experienced this at the extreme end of the spectrum when long time supporter **AMCA** took our challenge to raise \$90,000 in two years to purchase a much needed microscope and raised over **\$110,000** in just three days at their conference.

This is a testament to the strength of our ongoing relationship and we are extremely grateful for this outstanding outcome".

From The AMCA SA, we would like to thank all of those members and their staff that have contributed to the OCF fundraising in South Australia.

AMCA NATIONAL CONFERENCE

The annual AMCA national conference was held over the period 4-7 October 2011. A series of keynote speakers presented to delegates. One of the key speakers was Commissioner Leigh Johns of the Australian Building Construction Commission. He spoke about the work of the Commission and the range of prosecutions it has completed or are pending. Special reference was made to the inquiry being conducted into sham contracting. The Commissioner said there were penalties that can be applied to employers who set up sham arrangements. Individuals acting as contractors who really should be classed as employees will be referred to the Australian Tax Office where the ABCC becomes aware of these arrangements.

NEW PRESIDENT AT AMCA Australia

Earl Sakareassen was elected President at the AMCA Annual General Meeting. The AGM formed part of the annual conference held in Sanctuary Cove.

Earl Sakareassen said he was honoured to be the 24th President of the Association. In his acceptance speech at the concluding conference gala dinner, Earl Sakareassen thanked Mark Lowe and Andrew O'Connor for their contribution to the Association. He also welcomed **Chris Smith** from Western Australia to the Vice President position.

Earl Sakareassen said he was looking forward to the challenges that go with the position. He added that he believed AMCA is well placed to provide strong leadership in the important policy debates that wait ahead for the construction industry.

AMCA SA Office — in October

To summarise what's happening in SA:

- **Corporate Governance** documents have been completed ready for review by the Executive Committee of the new . Upon completion of this review we will apply the document to the operation of the AMCA SA office and hope that the documents will act as guides for adoption by member companies.
- The delivery of the Regency TAFE—**Diploma in Air Conditioning and Refrigeration Engineering** (UEE51211) will begin next year. This stream caters for existing trades refrigeration tradesperson and is the lead into the Advanced Diploma of Air Conditioning and Refrigeration Engineering (UEE62511). This course will have a substantial component of BIM related subjects and is the pathway for existing tradespersons to move into Drafting and Design. There had been concern that the delivery of the Advanced Diploma may cease.
- To cater for the school leaver who may be taken on the Regency TAFE will offer the **Diploma of Engineering Technology Refrigeration and Air Conditioning** (UEE51111), which once again can lead to the Advanced Diploma. This course will have a substantial component of BIM related subjects and is the pathway for some of our future Drafting and Design professionals.
- For existing staff with drafting and design experience, or for those who have an interest in just the **BIM subjects**, there is an opportunity just to pick up those subjects in the Diploma course.
- The approval of and adoption of the **Request for Quotation and the Response document** that will form part of a product or service suppliers quote has now been approved for adoption at a meeting on 26 October 2011.
- **Security Of Payment** - AMCA SA has provided input into the final briefing with Consumer and Business Services staff regarding the regulations and implementation of the new process. Working with other industry associations there will be training sessions available in November and December. These training sessions are free.

There will also be two more training dates in late November and January for those members who miss the general sessions, or would prefer a specific AMCA SA offer. Please refer to the dates under "Training for AMCA SA Members" later in this newsletter.

- **Occupational Health Safety and Welfare Induction Handbook for New Employees** is now generally available to members and is suitable for both construction staff and other staff. This booklet has been widely used so far and is capable for modification and specific company information. Please contact Christopher Rankin on 8234 2899 for further information.
- AMCA SA is currently working with NCVET to develop specific trade number and apprentice numbers for Electrical, Plumbing and Refrigeration and Air Conditioning. Currently forecasts are based on very general data and in some cases not even trade specific. AMCA SA believes that with a very comprehensive data set now available future forecasting will be more precise benefitting the industry as whole.

AMCA TRAINING CALENDAR

NOVEMBER 2011

9	Right of Entry Presentation	EDC
16	AMCA Legal Training – Session 3	EDC
23	NEBB Training	AMCA Meeting Room
3, 11, 16, 23, 25	White Card	PEER
1	Rescue & Resuscitation	PEER
22	SOP General Information (Morning)	CCF
30	SOP Industry Presentation	EDC

DECEMBER 2011

14	NEBB Training	AMCA Meeting Room
14	SOP General Information (Afternoon)	CCF
5, 13	White Card	PEER
12	Rescue & Resuscitation	PEER

For further information contact Maureen Haynes on 8234 2899 or email: mrhaynes@amcasa.com.au

AWARD FOR EXCELLENCE BEST SUSTAINABLE RETROFIT

System Solutions named as finalists in the Excellence - Best Sustainable Retrofit

The building at 19 Grenfell Street Adelaide was a tired, unloved commercial office building in the CBD. Typical of many buildings from its era, it was designed and constructed before sustainability was a consideration.

Performance was also hampered by ageing services equipment within the building - leading to a state of very high energy consumption and greenhouse gas emissions.

The building owners engaged System Solutions Engineering (SSE) to assist in facilitating change into a market leader. Initial estimates put the building within the 1 to 2 star range in terms of NABERS Base Building Energy Rating. Various concepts

were considered and modelled to assess the likely outcome, which formed the basis for the building owners undertaking a commitment agreement to achieve a NABERS Energy Base Building Rating of 5 Stars by mid-2013.

SSE's initiatives included new high-efficiency centrifugal variable-speed chillers, variable speed drives on main fans, variable speed drives on new pumps, Shaw Method of air conditioning, induction variable air volume boxes, CO2 and economy-cycle outdoor air control, and a new building management system with energy-saving control strategies.

(Equilibrium, October, 2011)

AUTODESK ACQUIRES MICRO APPLICATION PACKAGES LIMITED

On 21 October, Autodesk announced that it acquired Micro Application Packages Limited (MAP Software), TSI's (Technical Sales International) development partner of CAD-Duct, CAD-Mech, CAD-Elec, EST-Duct, EST-Mech and CAM-Duct. AMCA believes that this acquisition will have positive impacts on software and workflow solutions being developed to the BIM-MEP^{AUS} standard. The investment decision by Autodesk also re-affirms the BIM-MEP^{AUS} Project Board's position that BIM must extend beyond design to support activities such as estimation, fabrication, and installation of building services. This is timely given the upcoming TSI best practice training on design to fabrication and job site (refer to below).

IMPLEMENTING BEST PRACTICE TSI MAP WORKFLOWS: DESIGN TO FABRICATION AND JOB SITE

TSI is undertaking a [two day training](#) course aimed at educating AMCA Service Contractors, Drafting Service Providers, Duct and Pipe Fabricators on best practice implementation of TSI software. This training will provide a fully integrated workflow from design through to the job site taking advantage of the benefits of the AMCA's BIM-MEP^{AUS} initiative and Manufacturer's Managed Content Services. For more information go to [http://www.bimmepaus.com.au/libraries/resources/TSI%20Training/Implement tsi training.pdf](http://www.bimmepaus.com.au/libraries/resources/TSI%20Training/Implement%20tsi%20training.pdf)

The Course will cover three important workflows to the Australian Construction Industry:

REVIT Design through to MAP Fabrication and the Job Site

TSI MAP Design through to MAP Fabrication and the Job Site

TSI MAP through to REVIT Commissioned As Built.

Building on the launch of the Australian TSI User Group, the course also aims to provide a starting point for the establishment of industry supply chain networks with the view to improving efficiency and lowering costs.

The course will be presented by Mr Kenny Eastman, Training Manager, TSI. Mr Eastman is an experienced mechanical services CAD Manager who has been responsible for the establishment of a number of fully integrated TSI MAP implementations for some of America's Leading Mechanical Contractors.

Mr Eastman will be supported by the Australian Support Team who will provide demonstrations of the software functionality and use on Australian Projects.

Who Should Attend?

The course is not intended to provide detailed training on the use of TSI MAP software; however, it is aimed at providing management with an overview of the TSI MAP software, including potential for improved productivity and key success factors needed for successful implementation.

The AMCA encourages its members to please register for this training course at <https://www.surveymonkey.com/s/W3HGK2X>

When is this training taking place?

Melbourne 30 November – 1 December 2011, venue TBA

Brisbane—5 December – 6 December 2011, venue TBA

Sydney — 8 December – 9 December 2011, venue TBA

MEMBERS' DIRECTORY LIVE ONLINE

AMCA's National Members' Directory is now live online. It is accessible through the AMCA national webpage at www.amca.com.au and then by clicking onto the Members' Directory link under the main menu.

By making use of modern technology and going online we will be able to keep entries up to date at all times. Whenever changes occur in company telephone numbers, address or other key details the changes can be made as soon as the Association is informed. No longer will out of date information about our member companies be in the public domain.

Harmonisation of Work Health and Safety

The model Work Health and Safety (WHS) legislation is set to come into force in South Australia on 1 January 2012.

The *Work Health and Safety (WHS) Bill* was debated in State Parliament in September and October and there are presently nine amendments being put forward by the Opposition in the House of Assembly (Lower House). The House of Assembly will next sit on 8 November 2011. There is only a limited period of time remaining to pass the Bill in order to meet the 1 January 2012 start date, set by the Federal Government.

All jurisdictions need to pass the legislation for WHS to be considered nationally harmonised. To date, only New South Wales, Queensland and the Australian Capital Territory (ACT) have passed the legislation. New South Wales has introduced the *Work Health and Safety Legislation Amendment Bill 2011* to its Parliament on 20 October 2011. The Bill ensures that industry-specific laws will also be harmonised, by making amendments to current mine and rail safety legislation. Further, the Bill will also see any OHS prosecutions dealt with by the District and Local Courts from 1 January 2012 as well as making minor administrative amendments to the current legislation.

Victoria has called on the Federal Government to push back the commencement date to 1 January 2013, a year later than the proposed commencement date of 1 January 2012. The Victorian Government has announced they will be separately assessing the impacts of the harmonised laws on their State by conducting their own Regulatory Impact Statement (RIS) and will not proceed until the Victorian RIS has been completed and evaluated.

Tasmania has announced it introduced the *WHS Bill* to its Parliament in October, with their House of Assembly sitting on 18 October 2011. The Western Australian Government has also asked the Federal Government to delay the implementation of the harmonised laws and is yet to announce when they will introduce the legislation.

In addition, the Northern Territory has not yet introduced the harmonised legislation to their Parliament.

On a Federal Level, the *Work Health and Safety Bill 2011* has passed the House of Representatives (Lower House) and is likely to pass the Senate. The Federal legislation is applicable to Federal Government employees.

The WHS Bill is still set for a commencement date of 1 January 2012. However, there is now uncertainty that South Australia will pass the legislation in time for the prescribed date. Nonetheless, the harmonisation will still go ahead, the only question is the date it will be implemented.

Action Required

Businesses need to ensure they are still complying with the current Occupational Health and Safety (OHS) laws, as well as reviewing the progress of the incoming legislation. In addition, it is essential businesses implement and maintain policies and procedures as well as best practice in order to avoid costly non-compliance issues. Businesses must ensure they are up-to-date with their legislative requirements and compliance obligations under existing and future laws.

(text taken from Business SA, Oct 2011).

BIM-MEP^{AUS} Property Council of Australia—SA Division runs BIM Forum

On 19 October 2011, the PCA SA ran a forum on BIM. The turnout for the event was high and the range of speakers diverse.

The key points from speakers were:

- The BIM process is communication and co-ordination tools that results in virtual construction of a building, followed by the actual construction.
- The results of BIM reduce build time and very substantial cost savings. Rework savings of 12%, waste reductions of 37% and contract savings of between 10 to 15%.

The AMCA SA has subsequently approached two Consulting firms to assess their current directions with BIM, as compared to BIM MEP^{AUS}.

Workers Compensation Legislation Introduced to Parliament

Legislation proposing changes to the current Workers' Compensation Levy was introduced into State Parliament on 28 September 2011. The changes would include the introduction of two (2) new systems categorising businesses by size. The changes could see an 'Experience Rating System' for medium and larger employers and a 'Retro-Paid Loss System' for large employers implemented.

The 'Experience Rating System' would mean that the levy payable will be based on a combination of industry performance and the performance of the individual business.

The 'Retro-Paid Loss System' is intended to reflect the actual costs incurred by the employer and their individual experience in managing occupational health and safety and workplace injuries.

The changes would also increase the notification period from two (2) to five (5) days. If an employer reports an injury within five (5) working days, they will be exempt from paying the first two (2) weeks of income maintenance for the injured worker.

In addition, in the event of a worker's death and if the worker does not have a financial dependent, employers will now need to pay a lump sum payment to the worker's estate.

There will be no change to the levy system for small employers under the proposed legislation. The changes are expected to take effect on 1 July 2012.

Action Required:

Businesses should ensure they are currently dealing with workers compensation claims promptly as well as assisting workers to return to work, because current claims activity and history will be taken into account when WorkCover calculate each business' levy under the new Experience Rating System.

(text taken from Business SA, Oct 2011).

Women in Air Conditioning

The group met on 10 October 2011 and were informed about the processes of water treatment and the role of the mechanical services contractor by Lyn Kakoschke from Elite Water Treatment.

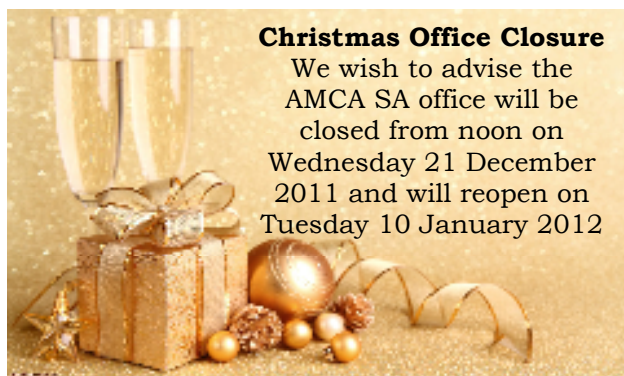
If you do not have any staff members attending this group or if you would like to host a meeting, please contact Maureen Haynes on 8234 2899 or email mrhaynes@amcasa.com.au

AMCA SA - Associate Members

Next Meeting - 24 November.

ASG - Air Conditioning Services Group

The group met on 19 October 2011. Next meeting will be on 7 December 2011 please note change in time to **3.30 pm**.



Christmas Office Closure

We wish to advise the AMCA SA office will be closed from noon on Wednesday 21 December 2011 and will reopen on Tuesday 10 January 2012

RDO's and LDO's

Members should check with individual site owners and their contractual provisions.

38 HOUR WEEK – ROSTER

RDO 12 - 21 November

RDO 13 - 23 December

36 HOUR WEEK – ROSTER

LDO 11 - 7 November

LDO 12 - 12 December

LDO 13 - 22 December

Executive Committee Meetings

(usually 1st Tuesday of the month @ 8:00 am)

• **15 November 8:00 am**

• **6 December 8:00 am**

General Meetings

(following on from the Executive meeting every third month, usually 1st Tuesday @ 10.00 am)

• **6 December 10:00 am**

ASG Meetings

(bi-monthly meetings commencing @ 3.30 pm)

• **7 December 3:30 pm**

Associate Members Meetings

(bi-monthly meetings commencing @ 8:00 am)

• **24 November 8.00 am**

Women in Air Conditioning

(monthly meetings commencing @ 9.00 am)

• **14 November 9.00 am**

• **12 December 12.30 pm**

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