



NEWSLETTER



ASSET MANAGEMENT COUNCIL

August 2009

Contact List – Officers

CHAIRMAN

John Hardwick, John.Hardwick@amcouncil.com.au
Mob: 0408 449 288

TREASURER

Andrew Sarah, Andrew.Sarah@amcouncil.com.au
Mob: 0411 709 824

SECRETARY

Peter Oliver, Peter.Oliver@amcouncil.com.au
Mob: 0418 766 338

ADELAIDE CHAPTER CHAIR

Byron Martin - Byron.Martin@amcouncil.com.au
Mob: 0402 308 947

CANBERRA CHAPTER CHAIR

Geoff Cannon - Geoff.Cannon@amcouncil.com.au
Mob: 0431 434 417

GIPPSLAND CHAPTER CHAIR

Ray Beebe - Ray.Beebe@amcouncil.com.au
Mob: 0408 178 261

ILLAWARRA CHAPTER CHAIR

Andrew Spence -- Andrew.Spence@amcouncil.com.au
Mob: 0412 129 984

MELBOURNE CHAPTER CHAIR

Stewart Lawrence - Stewart.Lawrence@amcouncil.com.au
Mob: 0438 463 782

NEWCASTLE CHAPTER CONTACT

Graham Webb graham.webb@amcouncil.com.au
Mob: 0407 842 408

OVERSEAS CHAPTER CHAIR

Danny Azavedo danny.azavedo@amcouncil.com.au
Mob: 0425 350 961

PERTH CHAPTER CHAIR

Andrew Morgan andrew.morgan@amcouncil.com.au
Mob 0419 912 744

QUEENSLAND CHAPTER CHAIR

Lutfiye Allahmanli Lutfiye.Allahmanlin@amcouncil.com.au
Mob: 0488 781 934

SYDNEY CHAPTER CHAIR

Gary Winsor gary.winsor@amcouncil.com.au
Mob: 0437 974 554

TASMANIA CHAPTER CHAIR

Rohan Koenig Rohan.Koenig@amcouncil.com.au
Mob: 0417 753 070

Contact List – Staff

CEO Sally Nugent sally.nugent@amcouncil.com.au

MEMBERSHIP: Falguni Patel admin@amcouncil.com.au

EVENTS: Tina Grenfell info@amcouncil.com.au

AWARDS: Kate Robertson

kate.robertson@amcouncil.com.au

WEB: Kai Dong webmaster@amcouncil.com.au

Stop Press

- New Training Intensive - Reliability and Risk coming to Sydney in October.
- Do you have an influence on maintenance? If so, make sure you read our article on page 4.
- ICOMS2010 is in Adelaide in June next year. Call for papers now open.
- The 2009 ICOMS presentations are now available in the Members only area of our website.
- Forgotten your username or password? Contact admin@amcouncil.com.au

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From the CEO



For the last 18 months, a dedicated AM Council team have been working on certification in asset management. Many people have contributed through working groups, test interviews and sponsorship. In particular, the project to develop the scheme has been supported by BHP Billiton, Newcrest Mining, United Group

Ltd and Woodside. The scheme is due to be launched later this month, after final approval from the steering team and the board.

The certification process is based on competencies from around the globe, linked into an asset management framework. It has four levels

Associate: entry level certification for the asset management profession

Practitioner: will have demonstrated achievement of a range of competencies in a number of Competency Areas that comprise the AM Profession, and will have an understanding of the contribution that they make to the successful application of the principles of asset management in their organization.

Senior Practitioner: has a more tactical contribution within a broader set of guidelines and objectives, and a degree of synthesis of strategies and higher level objectives.

Fellow: has strategic application skills across a large number of Competency Areas.

Detailed discussions on the scheme have been held with Engineers Australia, and with our Global Forum co-founders.

The scheme is being launched later over the next 8 weeks.

Regards,
Sally Nugent
Chief Executive Officer

Navigating your way around the Asset Management Council Business Directory

Did you know the Asset Management Council provides you with a free online Business Directory?

The Business Directory enables you to view our Gold, Silver and Bronze corporate member details.

There are three ways to sort the Business Directory list from the submenu found on the right hand side of the [Business Directory homepage](#):

- 1. Business list:** lists all the corporate members, sponsors and exhibitors in alphabetical order
- 2. Search:** search businesses by name, address or services
- 3. View by services:** search by services provided by organisations

For more information, email info@amcouncil.com.au

From MY DESK

The Asset Management Council has started on a journey with other like minded organisations around the world. Those of you who were in Sydney at ICOMS 2009 were given an insight into the other organisations we are now working with. This new alliance is called the "Global Forum on Maintenance and Asset Management" (GFAM).

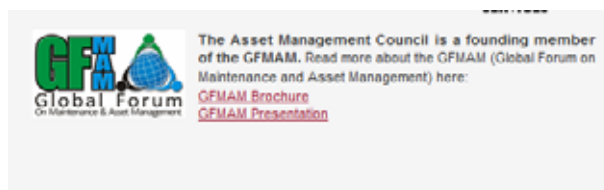


The peak bodies that are already part of this alliance are; EFNMS representing Europe, ABRAMAN and FIM representing South America, GSMP representing the Arabian Gulf region, SMRP representing the USA and of course the Asset Management Council representing Australia and our region. The vision of this peak body is "to be a worldwide community of organisations providing leadership for maintenance and asset management".

These alliances have been forming over recent years. There was an initial meeting held in March this year to determine if the organisations had common objectives that could be harnessed for the greater good. This meeting explored what was the basis of each of the organisation and was there enough good will to grow this strategy. By the time this two day exploration had concluded there was enough ground covered for the board of each organisation to be in a position to determine their position on the GFAM. I see this as a key step forward in bringing more value and knowledge to the Asset Management Council members. The first official meeting of the GFAM occurred at ICOMS 2009. There were again two days of meetings to pave the way for this association to be formalised.

There are some exciting challenges ahead of us as these alliances grow. I will be endeavouring to have as many of you involved as possible in the projects being instigated by this new forum. The Asset Management Council has used its website to post the Vision, Mission and objectives of the GFAM. For further reading, [click here](#)

John Hardwick
National Chairman
1 August 2009



New Members

We would like to welcome the following new members:

Individual Members

Sydney	Eugene Broderick
NSW	Benhur Balaba
QLD	Benjamin Trevor Sanderson

Corporate GOLD

Sherwood Utilities Pty Ltd

Key Representative: Ian Thompson
Corporate Nominee: Ian Ashenhurst
Frank Van Assema
John Crosbie
Graham Drury
Penny Gibson
Jonathan Harvey
Keith Jones
John McDonough
Guy Mewburn
Chad Smith
Christina Wee

Corporate BRONZE

Programmed Facility Management

Corporate Nominee: Barry Williams
For membership enquiries contact Falguni Patel at admin@amcouncil.com.au

Calendar of Events

- ❖ ABRAMAN Conference 2009 (Brazilian Maintenance Association), Recife, Brazil: 31 August - 4 September 2009
- ❖ World Congress on Engineering Asset Management 2009 (WCEAM 2009), Athens, Greece: September 2009. For further details go to www.wceam.com
- ❖ SMRP 17th Annual Conference, St Lois, Missouri: 19 - 22 October 2009. For further details go to www.smrp.org
- ❖ Plant Maintenance in the Middle East, Abu Dhabi, UAE: 10 -13 January 2010
- ❖ Euromaintenance 2010: 11 - 13 May 2010

ICOMS 2009 Technical Proceedings

Now available for purchase.

USB version of the 2009 proceedings are available at \$121 (AM Council / MESA Members \$110.00) GST Inclusive.

Past ICOMS Proceedings are also available. For Order Form with special prices, [click here](#)

For enquiries, phone 03 9830 4899 or email to info@amcouncil.com.au

Profile: GOLD Corporate Member ANZAC Systems Program Office

The ANZAC Systems Program Office (SPO) is an accredited Authorised Engineering Organisation (AEO) responsible for the through life support of the ANZAC Class ships. The ANZAC SPO executes its responsibilities for engineering and maintenance through Corporate Governance and the ANZAC Ship Integrated Materiel Support Contract (a strategic alliance with BAE Systems and SaaB Systems). The ANZAC SPO is part of the Major Surface Ships Branch of the Defence Materiel Organisation, and is headquartered in Rockingham, Western Australia with a presence at Fleet Base East in Sydney.



For more information on ANZAC Systems Program Office, contact info@amcouncil.com.au

2009 Asset Management Fundamentals course dates

Canberra, 21 August
Perth, 18 September
Brisbane, 6 October
Sydney, 12 November



Recent Asset Management Fundamentals course participants, Melbourne, 9 July 2009

For more information contact Tina Grenfell via email at info@amcouncil.com.au or by phone (03) 9830 4899

Chapter News

Brisbane Chapter

10 August 2009: *The road to a new Asset Management solution*

One of the key components used in the delivery of an asset management strategy is an asset management system. These can go by many names such as EAM system, CMMS or a jobs system. The successful utilisation of such a system can greatly assist in the efficient planning and execution of asset management plans. Get this right and it can become a powerful tool, get it wrong and you can expend large amounts of valuable resources and place your asset management goals at risk.

About the presenter

Robert Williams has been assisting organisations in the selection and implementation of EAM solutions from various vendors for over 15 years and has worked cover diverse industries such as Aviation, telecommunications, power generation, facilities management, and local government authorities throughout the Asia Pacific region. Robert is the General Manager Works & Assets at TechnologyOne.

Following is the provisional technical program for Brisbane Chapter this year

9 Sep 2009	Dr Venkat Reddy - Reliability Consultant - GHD Pty Ltd
12 Oct 2009	Gary W. Moss - Sales Executive - Maximo Solution, IBM
3 Nov 2009	Jim Calder - Managing Director, Calder Engineering Pty Ltd

Gippsland Chapter

Nicholas Phillips was the speaker at the Gippsland Chapter meeting on 16 July. The meeting was a joint one with Engineers Australia Gippsland Group, and was held at their usual venue: Century Inn, mid-way between Morwell and Traralgon. Members enjoyed Nicholas presentation on the Engineers Australia structure and some of his asset management experiences. All enjoyed networking and a fine dinner.

Hein Botes was awarded the Student Prize at the Monash University School of Applied Sciences and Engineering Awards night. Sponsored by the Gippsland Asset Management Council Chapter, this recognises the top scoring student graduating in 2008 with the Master of Maintenance and Reliability Engineering. Hein was also nominated by the Chapter for the 2009 Asset Management Council Awards, and received the Postgraduate Student Award.

Western Australia Chapter

Survey

An on-line survey of members is being conducted by the WA branch. If you are a WA member and have not received an e-mail link to the survey please contact admin@amcouncil.com.au. The survey will be used to help the WA committee plan activities for the rest of the year.

Reliability Engineering Course

Registration is now open for the UWA Reliability course. This course can be taken as a single unit without being enrolled in a postgraduate program. It is taught Monday

nights 6:00-9:00 pm for 12 weeks from 31/8/09 in the School of Mechanical Engineering, UWA. The unit is open to degree-qualified engineers with 5 years professional experience and professionals who have reliability experience (but no engineering degree) who can demonstrate competence with a stats test. Those interested should get in touch with Kecheng.Shen@uwa.edu.au. For more information, [click here](#). For enrolment please contact the UWA Extension at extension@uwa.edu.au before 17 August. The cost is \$3,400.

New Lecturers

The Asset Management Fundamentals course has two new lecturers; Terry Howard and Ross Francis

Terry Howard has an electrical engineering background with post graduate studies in Asset Management and holds a Masters of Systems Engineering. With over 15 years experience in the application of Asset Management principles in the NSW Rail Industry, Terry was a key contributor to RailCorp's success in twice winning the MESA Maintenance Excellence Award. He project managed the implementation of Mincom's Ellipse system to support RailCorp's Asset Management Strategy. Terry is a regular lecturer for RailCorp's internal 5 day course "Asset Management for Engineers and Managers", and is an active member of MESA's Sydney Chapter.

Ross Francis is Director and Principal Consultant of Ross Francis Consulting specialising in Asset Management and Maintenance. Prior to this, Ross managed the maintenance consulting group of Siemens Ltd. This followed roles in Siemens and Silcar Maintenance Services. Ross has presented a range of workshops and training courses, including the 2-day course "Asset Management & Maintenance" for Engineering Education Australia (EEA). Ross is currently developing the documentation and management systems for the AM Council Asset Management Certification Scheme.

Do you have an influence on maintenance?

Schalk Grobbelaar is a current Masters Engineering candidate who is studying at the University of Pretoria, South Africa. As part of his thesis, Schalk is performing a survey regarding strategic decisions made by maintenance employees.

The purpose of the survey is to determine what the influence of experience and or knowledge of maintenance principles are on the quality of intuitive maintenance decisions.

Anyone that has a direct or indirect influence on maintenance is invited to take part in this survey before 7 August 2009 by [clicking here](#).

Do You Have News?

If you have a news item or letter to the editor, deadlines for forthcoming newsletters are given below.

Newsletter deadline

Sep	Aug 25
Oct	Sep 25

BEGIN THE JOURNEY NOW

The Asset Management Journey – Step 1

The Asset Management Council has identified six initial and easy steps one can follow to ensure the best asset management opportunities are available for all the people in an organisation.

And in each Newsletter, we will highlight one of the six initial steps:

- Step 1: Join the Applied Asset Management Network*
- Step 2: Educate the organisation broadly*
- Step 3: Train professionals specifically*
- Step 4: Self assess online or initiate an external assessment*
- Step 5: Begin to close the 'gaps'*
- Step 6: Reward continuous asset management improvement*

In this month's Newsletter, we highlight:

Step 1: Join the Applied Asset Management Network

Open the door and discuss ideas, concerns and challenges related to asset management with colleagues.

Benefit from the exchange of dialogue, including how to develop new asset management skills and insights from organisations who have effectively integrated asset management systems. The Network can kick-start major improvements in the effectiveness of asset management for your organisation.

Membership to the Applied Asset Management Network offers various platforms for ideas to be heard and exchanged, such as workshops, seminars, briefings, and newsletters.

These platforms take place locally and nationally and provide Members a chance to utilise the Asset Management Council's core Body of Knowledge.

The Network also encourages Members to learn the asset management language outlined in the Asset Management Council Glossary ensuring effective communication within the Network and across international boundaries.

How do I join?

Firstly, become a corporate member of the Asset Management Council then seek to join the Network.

[Click here](#) for more information on how to become a corporate member.



To download the Asset Management Journey brochure [click here](#)

Who can I contact for more information?

Email at info@amcouncil.com.au

Where can I find out more information?

Talk to your local Asset Management Council Chapter, or visit www.amcouncil.com.au

Apply Now!

In response to the ICOMS forum exploring the relationship between 'Maintenance' and 'Reliability'

By David Stuart-Smith

I read Deryk Anderson's article in the June/July 2009 newsletter with some interest.

I was surprised to see how far the assembled group had not got with this issue. While I concur with the 9 points listed as outcomes of the discussion I think that we can make some more detailed fundamental statements beyond simply saying that there is a relationship between maintenance and reliability (5th point).

A few thoughts that might be useful in taking this forward:

- Regardless of the physical quantity involved all items have a **strength**. This is not a single number but a probability distribution. The parameters of that distribution vary in time as a function of previous history and present conditions, for example past wear and present temperature.
- Similarly the **load** on an item resulting from a physical quantity is a probability distribution. Again the parameters of that distribution vary in time as a function of previous history and present conditions.
- The designer will normally design the item such that the strength distribution is to the right of the load distribution with little or no **overlap** between the two distributions.
- The probability of failure is related to the area of overlap between the two distributions. The **reliability** is then 1 - this value.
- The **safety factor** is the ratio of the strength to the load. This may be the ratio of the means of the two distributions, or it may be the ratio of the mean of the strength distribution to the 'worst case' load (wherever that might sit on the distribution), or it might be the ratio of the 'worst case' strength to the 'worst case' load. All safety factors are not the same!
- The purpose of **maintenance of the item** is to manage its strength distribution through time, ensuring that the left hand tail of the distribution stays within limits.
- The purpose of **maintenance of the systems that impact on the item** is to manage the load distribution through time, ensuring that the right hand tail of the distribution stays within limits.
- Appropriate maintenance therefore directly impacts the area of overlap and thus the likelihood of failure or conversely, reliability.

To contribute or follow the discussion on the relationship between 'maintenance' and reliability, head to our forum page by [clicking here](#).



Asset Management Definition and Model

"The life cycle management of physical assets to achieve the stated outputs of the enterprise"

See [AMBOK](#) section of the website for definition and the model on-line forum (www.amcouncil.com.au.)



NEW: Have your Asset Management Competencies Recognised

Be one of the first to hear how the Asset Management Council is advancing the asset management profession with the introduction of the **Asset Management Certification Scheme**.

The certification scheme provides an independent mechanism that demonstrates competency in key and critical roles in Asset Management that is recognised by the Asset Management Council and Engineers Australia. Come along to a launch presentation near you and discover the key benefits of the Asset Management Certification Scheme. Learn how it will benefit you as an asset management professional and how it can increase Australia's competitiveness in asset management on a global scale.

2009 Location and Dates

Canberra	Thursday 27 August
Gippsland	Thursday 10 September
Illawarra	Wednesday 9 September
Melbourne	Thursday 8 October
Newcastle	Wednesday 16 September
Brisbane	Wednesday 9 September
Adelaide	Thursday 24 September
Sydney	Wednesday 30 September
Hobart	Thursday 3 September
Perth	TBA

There is free admission to attend the launch presentation. To avoid missing out on a seat, register your interest early by contacting us at info@amcouncil.com.au

Development of the Asset Management Certification Scheme supported by:



Patron, Supporters and Corporate Members

Patron



Corporate Gold

ANZAC Systems Program Office	
Assetivity Pty Ltd	www.assetivity.com.au
EnergyAustralia	www.energy.com.au
GE Energy	www.ge-energy.com/oc
GHD Pty Ltd	www.ghd.com.au
John Holland P/L	
Orontide Group Limited	www.madco.com.au
RailCorp	www.railcorp.nsw.gov.au
RCR Engineering	www.rcrtom.com.au
Rylson Pty Ltd	www.rylson.com.au
Sherwood Utilities Pty Ltd	
Silcar Pty Ltd	www.silcar.com.au
Skilled Group Limited	www.skilled.com.au
Strategic Asset Management Inc	www.samicorp.com
Sydney Water Corporation	www.sydneywater.com.au
Transfield Services	www.transfieldservices.com
United Group Rail	www.unitedgroupltd.com
United Group Services	www.unitedgroupltd.com

Corporate Silver

ASC Pty Ltd	www.asc.com.au
BHP Billiton Iron Ore	bhpbilliton.com/bb/ourBusinesses/ironOre.jsp
Capability by Design	www.cbdesign.com.au
Fremantle Ports	www.fremantleports.com.au
IFS Australia P/L	www.ifsworld.com
Infor Global Solutions P/L	www.infor.com/solutions/eam/
Lloyd's Register Asia	www.lr.org
Rio Tinto Coal Australia	www.riotintocoalaustralia.com.au/
SKF Australia Pty Ltd	www.skfcm.com

Corporate Bronze

Alpha Integrated Solutions	
AMMS Group	www.ammsgroup.com.au
Arms Reliability Engineers	www.reliability.com.au
Aurecon Australia Pty Ltd.	www.aurecongroup.com
BAE Systems	www.baesystems.com
Bombardier	
Boral Asphalt	www.boral.com.au

Brisbane City Council	
Broadcast Australia	
Bulk West Engineering	www.bulkwestengineering.com.au
Bureau Veritas (IRC)	www.irc-australia.com
CSBP Limited	www.csbp.com.au
CSL Limited	www.csl.com.au
ENERGEX	
Energy Safe Victoria	
Evans & Peck	
Griffith City Council	
International Protective Coatings	www.internationalpaint.com
IPM Operation & Maintenance	www.ipplc.com.au
K2 Technology	www.k2techno.com.au
KDR Creative Software Pty Ltd	www.kdr.com.au
MainCo Melbourne Pty Ltd	www.maincomelbourne.com
Melbourne Water	www.melbournewater.com
Murrumbidgee Irrigation	
Olympus Australia Pty Ltd	
OMCS International	www.pmo2000.com
Pacific Hydro	www.pacifichydro.com.au
ProCheck Engineering	
Programmed Facility Management	
PSN Water	www.psnwater@psnwater.com.au
QENOS	www.qenos.com
Resolve FM	
Seqwater	
State Water Corporation	
The Asset Partnership	www.assetpartnership.com
United Group Resources (Qld)	www.unitedgroupltd.com
Velocity Energy P/L	
Water Corporation	

For more information on these organisations, and the services they provide, check out the **business directory** on the website.

