



AHUG 2015

Australasian HRSG Users Group Conference and Workshops

8 - 10 December 2015 - Sydney

CONFERENCE AGENDA

Day 1 Tuesday, 8th December 2015

- 7:15 Registration
- 8:00 to 8:15 **Opening Remarks.**
Barry Dooley, Structural Integrity, UK, and Robert Anderson, Competitive Power Resources, USA.
- 8:15 to 9:00 General Open Floor Discussion and Questions
- 9:00 to 9:30 **HRSG Operation Modes Dictated by Gas Prices and Plant Design**
Colin Gwynne, Aurecon, Australia, Aletta Botha and Michael Dignan, Origin Darling Downs, Ivan Currie, EnergyAustralia Tallawarra and Christian Knott, Osborne Cogen.
- 9:45 to 10:15 Morning coffee/tea within exhibits
- 10:15 to 10:45 Presentations on Plant Updates
- **Final Storage of the Swanbank Unit and Maintenance of the Unit in Longterm Storage.**
John Blake, Stanwell Corporation Limited, Queensland, Australia.
- 10:45 to 11:30 General Open Floor Discussion and Questions
- 11:30 to 12:00 **Sampling Strategies and Challenges for Cycling Power Plants.**
John Powalisz and Jeff McKinney, Sentry Equipment Corporation, USA.
- 12:00 to 13:20 Working Lunch within Exhibits
- 13:20 to 14:00 **Otahuhu Power Station HRSG - Significant Maintenance Events during the Life of the Plant.**
Mark Utley, Contact Energy, New Zealand. Anita Zunker, PEI, New Zealand
- 14:00 to 14:30 **HP Steam Valve Damage at Darling Downs Power Station.**
Pieter Wessels, Origin Energy, Australia.
- 14:30 to 15:00 **Validation of PAUT for Complex Geometries in Combined Cycle Plants.**
Chris Charlesworth, ALS Industrial Power Services, Australia.
- 15:00 to 15:30 Afternoon coffee/tea within exhibits
- 15:30 to 16:00 **Expansion Joint Technology in CCGT Plants.**
Jon Tarrant, DEKOMTE, UK.
- 16:00 to 16:30 General Open Floor Discussion and Questions
- 17:00 Day 1 Concludes
- Networking, Social Gathering and Drinks within Exhibits.





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Day 2 Wednesday, 9th December 2015

- 8:00 to 9:00 General Open Floor Discussion and Questions
- 9:00 to 9:30 Flexible/Fast Start HRSG Operation and Optimised Cycle Chemistry.
David Addison, Thermal Chemistry, New Zealand
- 9:45 to 10:15 Morning coffee/tea within exhibits
- 10:15 to 11:00 Short Presentations on Recent Advances and Plant Updates
- Update on Cycle Chemistry Control and FAC.
Barry Dooley, Structural Integrity, UK.
 - Update on Thermal Assessments.
Robert Anderson, Competitive Power Resources, USA.
- 11:00 to 11:30 General Open Floor Discussion and Questions
- 11:30 to 12:00 High Energy Piping Analysis and Inspection Considerations.
Chris Jones, Quest Integrity, Australia.
- 12:00 to 13:15 Working Lunch within exhibits
- 13:15 to 13:45 Presentations on Recent Advances and Updates
- Legislative and Standards Update Applicable to HRSG Owners.
Darren Sullivan, ALS Industrial Power Services, Australia
- 13:45 to 14:30 General Open Floor Discussion and Questions
- 14:30 to 15:00 Presentations on Recent Advances and Updates
- Ultrasonic Control of SH/RH Drains.
Robert Anderson, Competitive Power Resources, USA
- 15:00 to 15:30 Afternoon coffee/tea within exhibits
- 15:30 to 16:00 Presentations on Plant Updates
- The Latest IAPWS Updates.
Barry Dooley, Structural Integrity, UK
Gary Joy, Retired Australia (Chair of AUSAPWS).
- 16:00 to 16:30 General Open Floor Discussion and Questions
- 17:00 Day 2 Concludes





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Day 3 Thursday, 10th December 2015

Workshops

8:00 to 10:00 **Workshop 1:** *Inspection Planning for HRSGs.*
Charles Thomas, Quest Integrity, New Zealand

The concept of risk based inspection planning is well established and documented in recommended practices such as API RP 580 and 581. In the case of HRSGs, the operation and function of many components is similar from one design to another. Similarly, the risk levels, damage mechanisms and hence inspection requirements are to a significant degree consistent. The aim of the workshop is to work through the components in a typical HRSG and by consensus, agree those that have the potential to suffer damage and generate risk for safety or availability. The discussion will aim at identifying the active damage mechanisms and generate generic inspection test plans for at risk components.

10:00 to 10:30 Morning coffee/tea within exhibits

10:30 to 12:30 **Workshop 2:** *Planning the Pathway for Future Life Assessment in HRSGs.*
Dave Ross, ALS Industrial Power Services, Australia.

The process of building the data required for life assessment and the relevance which would be illustrated with some case studies, and the introduction of remaining life programmes.

12:30 to 14:00 Working Lunch within exhibits

14:00 – 16:00 **Workshop 3:** *The Use of Advanced Boiler Alloys for HRSGs*
Jeff Henry, Applus RTD, USA.

The workshop will address the newer material alloys being used in HRSG tubing, piping and headers: T/P 23, 24, 91 and 92.

16:30 Day 3 Concludes .. refreshments available

Speaker Presentations

To access a PDF copy of available AHUG 2015 speaker presentations, please visit the presentation tab on the conference website: www.etchouches.com/ehome/ahug2015/presentations

Use the following details to log in:

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Steering Committee

AHUG 2015 is chaired by Barry Dooley, Structural Integrity Associates with the assistance of a Steering Committee consisting of:

- » Bob Anderson, Competitive Power Resources
- » John Blake, Stanwell Corporation
- » Mark Utley, Contact Energy
- » Hayden Henderson, Petrofac
- » David Addison, Thermal Chemistry
- » Des McInnes, EPRI





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