

ABHUG 2025

Australasian Boiler & HRSG Users Group Conference and Workshops

Tuesday 25 - Thursday 27 November 2025

Brisbane Convention & Exhibition Centre

Website: <https://na.eventscloud.com/ehome/abhug2025/home>



www.abhug.nz



The Australasian Boiler and HRSG Users Group (ABHUG) will conduct its annual meeting in Brisbane, Australia on Tuesday 25 - Thursday 27 November 2025.

Since 2019 AHUG has been known as ABHUG (Australasian Boiler and HRSGs Users Group), to include all aspects of HRSGs, as well as additional technical areas common in fossil and HRSG plants - such as tube failures, steam turbine failures, high energy piping, valves and regulatory issues and cycle chemistry control aspects.

The 2025 conference will include a workshop on an important topic of interest. All attendees will be encouraged to raise specific technical problems with their Boilers, HRSGs, Steam Turbines and Valves, and then participate while other attendees join in to share their experiences and debate solutions. There will also be a number of exhibits and sponsors associated with all aspects of Boilers and HRSGs.

Who should attend?

Managers, engineers, operators, maintenance personnel, equipment suppliers, consultants, and plant service providers. In fact, anyone with an interest in the design, operation, layup, maintenance, or chemistry of boilers and HRSGs.

MECCA CONCEPTS

For more information on the Conference, workshops, exhibitions and sponsorship, please contact the Conference Secretariat Mecca Concepts Pty Ltd Rachel Washington - rachel@meccaconcepts.com.au

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FINAL ABHUG 2025 AGENDA

Day 1 – Tuesday 25th November 2025

- 8:30 Registration
- 9:00 to 9:15 **Introductory Remarks by ABHUG Co-Chairs.**
B. Dooley Structural Integrity, UK and R. Anderson Competitive Power Resources, USA.
- 9:15 to 9:45 **Update and Statistics on HRSG Thermal Transients.**
R. Anderson, Competitive Power Resources, USA
- 9:45 to 10:15 **Installation of P91 Replacement Attemperators at Loy Yang A.**
J. Cruickshank, AGL Energy, Australia
- 10:15 to 10:45 Morning coffee/tea within Exhibits. Morning tea sponsored by **TLG Engineering**.
- 10:45 to 11:15 **Reduction of Synchronous Vibration in HP/IP Turbine Rotor Assembly through Hot Straightening and Re-machining.**
R. Smith, NRG Gladstone, Australia.
- 11:15 to 11:45 **HRSG Efficiency Innovations Featuring AVOS+ Ammonia Vaporization Optimization System.**
M. Smith, Thermic Systems, USA
- 11:45 to 12:30 Questions and General Open Floor Discussion
Sponsor Presentations: HRL Technology Group
and Precision Iceblast Corporation
- 12:30 to 14:00 Working Lunch within Exhibits. Lunch sponsored by **Utrex Ltd.**
- 14:00 to 14:30 **HRSG Efficiency Improving GT Performance.**
R. Esposito and J. Bause, Groome Industrial Service, USA.
- 14:30 to 15:00 **L-0 Blade Cracks for 350MW Units.**
G. Visser, CS Energy, Australia
- 15:00 to 15:30 Questions and General Open Floor Discussion
Sponsor Presentation: Swan Analytical
- 15:30 to 16:00 Afternoon coffee/tea within Exhibits.
- 16:00 to 16:30 **Update and Statistics on HRSG and Boiler Cycle Chemistry Control and FAC.**
B. Dooley, Structural Integrity, UK.
- 16:30 to 17:00 **IAPWS, AUSAPWS and NZAPWS Updates**
B. Dooley, Structural Integrity, UK., D. McAllister, Loy Yang B, Australia and D. Addison, Thermal Chemistry, New Zealand.
- 17:00 to 17:30 Questions and General Open Floor Discussion
- 17:30 Day 1 Concludes
- 17:30 to 19:00 Networking, Social Gathering and Drinks within Exhibits. "Brisbane Evening".

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Day 2 – Wednesday 26th November 2025

- 8:30 to 8:45 Review of Day One. Exhibits and Discussion
- 8:45 to 11:45 **Mini-Workshop on Film Forming Substances (FFS)**
- 8:45 to 9:15 **The Latest International Activities on Film Forming Substances from Seven International FFS Conferences.**
B. Dooley, Structural Integrity, UK. and D. Addison, Thermal Chemistry, New Zealand.
- 9:15 to 9:45 **An Update on FFS Implementation and HRSG Tube and Drain Failures.**
V. Yeo, NewGen Power, Australia
- 9:45 to 10:15 **AGL's Experience with Film Forming Substances.**
M. Harris, AGL Energy, Australia
- 10:15 to 10:45 Morning coffee/tea within Exhibits. Morning tea sponsored by **TLG Engineering**.
- 10:45 to 11:15 **Computer Modelling for Enhancing Steam Plant Reliability and Efficiency.**
P. Bosauder, Sequence Engineering, New Zealand.
- 11:15 to 11:30 **Update on Millmerran HP8 Feedwater Heater.**
A. Abolis and D. Ross, SRG Global, Australia
- 11:30 to 12:15 Questions and General Open Floor Discussion
Sponsor Presentations: RTR Global
and Flotech Controls
- 12:15 to 13:15 Working Lunch within Exhibits. Lunch sponsored by **Utrex Ltd.** 
- 13:15 to 13:45 **Full Performance Commissioning of Automatic HPSH and RH Control Using Ultrasonic Technology.**
R. Anderson, Competitive Power Resources, USA
- 13:45 to 14:15 **HP Economiser SCC Cracking at Diamantina Power Station (Mount Isa, QLD).**
L. Nyakudya, APA, Australia
- 14:15 to 15:00 Questions and General Open Floor Discussion
Sponsor Presentation: Duff & Macintosh
and LaserBond
- 15:00 to 15:45 Afternoon coffee/tea within Exhibits.
- 15:45 to 16:15 **An Update on Advanced Ultrasonic Technology Applicable to In-service Inspection of Pressure Parts.**
C. Jones, Baker Hughes, Australia
- 16:15 to 16:45 **A Kaleidoscope of Boiler Activities at Torrens B.**
G. Gray, AGL Energy, Australia
- 16:45 to 17:15 Questions and General Open Floor Discussion
- 17:15 Day 2 Concludes
- 18:30 to 21:30 ABHUG Dinner - The Greek Club – 29 Edmondstone Street, South Brisbane

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Day 3 – Thursday 27th November 2025

8:30 to 8:45 Review of Day Two, General Open Floor Discussion and Questions

8:45 to 9:15 **Large Movement Penetration Seals with Remote Monitoring.**
J. Waterhouse, Dekomte, UK

9:15 to 9:45 **Stress Induced Creep Damage from an Interference Fit.**
I. Markic, HRL, Australia.

9:45 to 10:15 Questions and General Open Floor Discussion
Sponsor Presentation: Freudenberg Flow Technologies

10:15 to 10:45 **Morning coffee/tea within Exhibits. Morning tea sponsored by TLG Engineering.**



10:45 to 11:15 **Planning for a Successful Chemical Cleaning Project.**
D. Addison, Thermal Chemistry, New Zealand.

11:15 to 12:15 Extended Questions and General Open Floor Discussion
Sponsor Presentations: HMA Instrumentation
and Thermic Systems

12:15 to 13:45 **Working Lunch within Exhibits. Lunch sponsored by Utrex Ltd.**



13:45 to 14:15 **Repair of Deaerator and Feedwater Storage Vessels - Including Case Studies of Significant Repairs.**
S. Bond, Bond Engineering, Australia

14:15 to 14:45 **Implementation of a RTDMS (Real-Time Damage Monitoring Software) Trial at Vales Point Power Station.**
A. Abolis, SRG Global, Australia and J. Prater, Delta Electricity, Australia

14:45 to 15:15 **Afternoon coffee/tea within Exhibits.**

15:15 to 15:45 **Cut Maintenance Costs: Real-Time Monitoring of Attemperator with Clamp-On Ultrasonic Meters.**
Z. Agnaev, Emerson Flexim, Germany

15:45 to 16:15 **Challenges in Optimisation: A Deep Dive into Drum Level Imbalances**
A. Yusri, HRL, Australia and L. Byrnes, Origin, Australia

16:15 to 16:45 Questions and General Open Floor Discussion

17:00 **Day 3 Concludes**

ABHUG 2025 is chaired by
Barry Dooley, Structural Integrity Associates, and
Bob Anderson, Competitive Power Resources,
with the assistance of a Steering Committee consisting of:

David Addison, Thermal Chemistry, New Zealand
Russell Coade, HRL, Australia
Stuart Mann, AGL, Australia
Duncan McAllister, Loy Yang B, Australia
Ian Rawlings, CS Energy, Australia
Anita Zunker, PEI, New Zealand

Visit the ABHUG 2025 website
for presentations after the event:

<https://na.eventscloud.com/ehome/abhug2025>

**Australasian Boilers & HRSG Users Group (ABHUG) - Conference & Workshop
25 - 27 November 2025, Brisbane, QLD**



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