

ABHUG 2023

Australasian Boiler & HRSG Users Group Conference and Workshops

Tuesday 14 - Thursday 16 November 2023, Brisbane
Brisbane Convention & Exhibition Centre



The Australasian Boiler and HRSG Users Group (ABHUG) will conduct its annual meeting in Brisbane, Australia on Tuesday 14 - Thursday 16 November 2023.

Since 2019 AHUG has been known as ABHUG (Australasian Boiler and HRSG Users Group), to include all aspects of HRSG, 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 successful first ABHUG conference was held live at the Brisbane Convention Centre in 2019.

The 2023 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

In association with



In association with



Photo courtesy of Tallawarra Power



ABHUG 2023

Australasian Boilers & HRSG Users Group
Conference and Workshops

Tuesday 14 - Thursday 16 November 2023
Brisbane



Day 1 – Tuesday 14th November 2023

- 8:30 Registration
- 9:00 to 9:15 **Opening Remark Introductory Remarks by ABHUG Co-Chairs.**
B. Dooley Structural Integrity, UK and R. Anderson Competitive Power Resources, USA.
- 9:15 to 9:45 **Challenges, Processes and Successes Associated with Operating Liddell Power Station to its Closure.**
R. Lang, AGL, Australia.
- 9:45 to 10:15 **Case Study of a Tube Rupture on a 40 MW Boiler.**
A. Zunker, PEI, New Zealand
- 10:15 to 10:45 Morning coffee/tea within Exhibits.
- 10:45 to 11:15 **Status of HRSG Insulation and Repair after 20 years in Service at Swanbank.**
F. Hua and B. Kreis, CleanCo Queensland Limited, Australia
- 11:15 to 11:45 **Cycle Chemistry Updates at Loy Yang B.**
D. McAllister, Loy Yang B, Australia.
- 11:45 to 12:15 Questions and General Open Floor Discussion
Sponsor Presentation:
- 12:15 to 13:45 Working Lunch within Exhibits.
- 13:45 to 14:15 **Implementation of a Software Package for Tracking Pressure Equipment Maintenance.**
W. Hill, EnergyAustralia, Australia
- 14:15 to 14:45 **Historical BTF Trends as an Indicator of Future Problems.**
A. Whitehead and C. MacClure, Origin, Australia.
- 14:45 to 15:15 Questions and General Open Floor Discussion
Sponsor Presentation:
- 15:15 to 15:45 Afternoon coffee/tea within Exhibits.
- 15:45 to 16:15 **Metallurgical Investigations of HRSG Tube Failures in Superheater and Evaporator Circuits.**
N. Goodman, Quest Integrity, New Zealand.
- 16:15 to 16:45 **Improved Attemperator Control and Startup Procedure to Avoid Overspray and Overshooting of HPSH and RH Outlet Temperatures**
R. Anderson, Competitive Power Resources, USA
- 16:45 to 17:15 **The Latest International Activities on Film Forming Substances (FFS).**
B. Dooley, Structural Integrity, UK.
- 17:15 to 17:45 **IAPWS and AUSAPWS Updates**
B. Dooley, Structural Integrity, UK., D. McAllister, Loy Yang B, Australia
- 17:45 Day 1 Concludes -
Networking, Social Gathering and Drinks within Exhibits. "Brisbane Evening".

ABHUG is kindly supported by:



Media
Partner





ABHUG 2023

Australasian Boilers & HRSG Users Group
Conference and Workshops

Tuesday 14 - Thursday 16 November 2023
Brisbane



Day 2 – Wednesday 15th November 2023

- 8:30 to 8:45 Review of Day One. Exhibits and Discussion
- 8:45 to 9:15 **Replacement of HP Superheater and Reheater Tube Modules During the Major NewGen Kwinana 2022 Shutdown**
D. Gitsham, NewGen Kwinana, Australia.
- 9:15 to 9:45 **Flow-Accelerated Corrosion in a 50 year Old Boiler.**
D. Coldham and R Coade, HRL Technology Group, Australia.
- 9:45 to 10:15 **Recent Learnings at APA.**
D. Pang and J. Pang, APA, Australia
- 10:15 to 10:45 Morning coffee/tea within Exhibits.
- 10:45 to 11:15 **Creep-Fatigue Life Assessment and Weld Risk-Ranking of P91 HP Piping System**
N. Stanbridge, Quest Integrity Australia Ltd., Australia
- 11:15 to 12:00 Questions and General Open Floor Discussion
Sponsor Presentation:
- 12:00 to 13:30 Working Lunch within Exhibits.
- 13:30 to 13:50 **Mini-Workshop on NDE/Inspection**
Inspection of Reheater Tubes using LFET to Find Standby Corrosion
D. Charman, IRISNDT, Australia and J. Cruikshank, AGL Australia.
- 13:50 to 14:10 **Development of Ultrasonic Inspection for Cracking in Secondary Superheater Inlet Stubs.**
C. Charlesworth and A. Chapman, SRG Global, Australia and A. van Niekerk, AGL, Australia
- 14:10 to 14:30 **Workshop Discussion - Latest NDE/Inspection Tools and Procedures**
- 14:30 to 15:00 Questions and General Open Floor Discussion
Sponsor Presentation:
- 15:00 to 15:30 Afternoon coffee/tea within Exhibits.
- 15:30 to 16:00 **Attemperator Leak Detection Preventing Steam Tube Damage**
D. Funk, Flexim, Germany and C. Weihermüller, Flexim, Singapore
- 16:00 to 16:30 **Improving Reliability of Degassed Conductivity after Cation Exchange Measurement with EDI Technology**
J. Gath and M. Nogales, SWAN Analytische Instrumente AG., Switzerland, and C. Wellard, SWAN Analytical Australia Pacific, Australia.
- 16:30 to 17:00 **Update and Statistics on Fossil and HRSG Cycle Chemistry Control and FAC.**
B. Dooley, Structural Integrity, UK.
- 17:00 to 17:15 Questions and General Open Floor Discussion
- 17:15 Day 2 Concludes

ABHUG is kindly supported by:



Media
Partner





ABHUG 2023

Australasian Boilers & HRSG Users Group
Conference and Workshops

Tuesday 14 - Thursday 16 November 2023
Brisbane



Day 3 – Thursday 16th November 2023

- 8:30 to 8:45 Review of Day Two, General Open Floor Discussion and Questions
- 8:45 to 9:15 ***Unique Cycle Chemistry Problems at Kogan Creek Distribution.***
K. Rose, CS Energy, Australia.
- 9:15 to 9:45 ***Boiler Chemical Cleans at Bayswater Power Station.***
M. Harris, AGL, Australia.
- 9:45 to 10:15 Questions and General Open Floor Discussion
- 10:15 to 10:45 **Morning coffee/tea within Exhibits.**
- 10:45 to 11:15 ***The Effects of Low Load Boiler Operation on Evaporator (Waterwall) Tubes and First Stage Superheater Tubes***
A. Beveridge, Alinta Energy Australia
- 11:15 to 11:35 ***Update on Hexavalent Chromium.***
D. Addison, Thermal Chemistry, New Zealand.
- 11:35 to 12:15 Questions and General Open Floor Discussion
Sponsor Presentation:
- 12:15 to 13:45 **Working Lunch within Exhibits.**
- 13:45 to 14:15 ***Kaleidoscope of Boiler/ Pressure Parts Activities at Loy Yang B.***
G. Lane, Loy Yang B, Australia
- 14:15 to 14:45 ***High Energy Piping Drain Attachments Failure and Inspection***
D. Koopmans, SRG Global Asset Care, Australia
- 14:45 to 15:15 **Afternoon coffee/tea within Exhibits.**
- 15:15 to 15:45 ***Mobile Reporting for the Power Industry.***
R. Ghosh, Intertek, USA and S. Subramanian, TransAlta, Canada
- 15:45 to 16:15 ***High Cycling of HRSG - Inspections and Findings.***
K. Cowley, Engie, Pelican Point, Australia.
- 16:15 to 16:45 ***Update and Statistics on HRSG Thermal Transients***
R. Anderson, Competitive Power Resources, USA.
- 16:45 to 17:00 Questions and General Open Floor Discussion
- 17:00 **Day 3 Concludes**

*Keep up-to-date by visiting the ABHUG 2022
Conference website:*

REGISTER NOW

<https://na.eventscloud.com/ehome/748756>

Visit the website to Register and for any new
information.

ABHUG 2023 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, NZ
Russell Coade, HRL, Australia
Stuart Mann, AGL, Australia
Ivan Currie, Energy Australia, Australia
Ian Rawlings, CS Energy, Australia
Charles Thomas, Quest Integrity, NZ



REGISTER ONLINE AT:

<https://na.eventscloud.com/abhug23>

REGISTRATION	Pay on or before September 8	Full Registration
ABHUG Conference & Workshops Fee includes: refreshments and lunches on Tuesday, Wednesday and Thursday and Networking Drinks on Tuesday evening.	AUD\$1450.00 (inc GST)	AUD\$1600.00 (inc GST)

Accommodation - Novotel Brisbane South Bank, 38 Cordelia Street, South Brisbane

Rooms are subject to availability. Room rates are AUD\$275.00 room only or AUD\$307.00 room + breakfast for one. One night's accommodation fee is due on registration. Please provide your credit card details to guarantee your booking and will be provided to the hotel if you fail to check in. You will be responsible for settling your account directly with the hotel on your departure.

Hotel cancellation policy: Cancellations made within 30 days of your arrival date will incur the cost of all nights booked.

Registration payment by credit card or bank transfer.

Cancellations: If you are unable to attend, a substitute delegate is welcome at no extra charge. Where no substitute is available, a fee of \$165 will be deducted from your registration fee for cancellations received by MECCA Concepts in writing at least 28 days prior to the event. Thereafter no refunds will be made. Our Privacy Policy: By registering for this conference, relevant details will be held on a database by ABHUG and MECCA Concepts. An attendee list will be provided to all participants (name, position and organisation only). If you do not wish your information to be used in this manner, please advise MECCA Concepts.

Conference Organiser:

MECCACONCEPTS

Contact: Rachel Washington, Director MECCA Concepts Pty Ltd

Mobile: 61 (0) 412 996 711

Email: rachel@meccaconcepts.com.au

ABHUG is kindly supported by:

Media Partner:

