

# ABHUG 2022



## Australasian Boiler & HRSG Users Group Conference and Workshops

Tuesday 15 - Thursday 17 November 2022, 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 17 November 2022.

In 2019 the Australasian HRSG Users Group (AHUG) changed the name to ABHUG (Australasian Boiler and HRSG Users Group) so that this important international IAPWS conference could continue to address HRSG aspects along with additional technical areas common in fossil and HRSG plants such as tube failures, steam turbine failures, high energy piping, valves and regulatory issues, materials and cycle chemistry control aspects. The successful first ABHUG conference was held live at the Brisbane Convention Centre in 2019. The 2020 conference was cancelled because of the corona virus pandemic and the 2021 conference was held virtually.

The 2022 conference is planned to be live again at the Brisbane Convention Centre and to feature presentations on plant operation, maintenance, layup, cycle chemistry and materials. It will also feature interactive discussions with presenters, equipment specialists and users. Several workshops will be conducted during this event. One workshop will be on Film Forming Substances (FFS) and other topics will be announced later. 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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*Photo courtesy of Taborview Forum*



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## Day 1 – Tuesday 15th November 2022

- 8:15 Registration
- 9:00 to 9:10 **Opening Remarks.**  
B. Dooley Structural Integrity, UK and R. Anderson Competitive Power Resources, USA.
- 9:10 to 9:40 ***Four Years of Flexible Operation at Darling Downs.***  
A. Shinde, Origin, Australia.
- 9:40 to 10:10 ***Remaining Life Assessment of Reheater Tubes.***  
S. Mann and A. van Niekirk, AGL, Australia.
- 10:10 to 10:40 Morning coffee/tea within Exhibits.
- 10:40 to 11:10 ***Failure Analysis of a High Stressed Bolted Structure Operating in a Corrosive and High Temperature Environment.***  
G. Schumacher, Energy Australia, Australia, and D. Bell, D. Charman and N. Xu, IRISNDT, Australia.
- 11:10 to 12:00 Questions and General Open Floor Discussion  
Sponsor Presentation
- 12:00 to 13:30 Working Lunch within Exhibits.
- 13:30 to 14:00 ***The Changes in Creep Strength of P91 due to In-Service Aging.***  
C. Thomas, Quest Integrity NZL Ltd., New Zealand
- 14:00 to 14:30 ***Case Study of a Tube Rupture on a 40 MW Boiler.***  
A. Zunker, PEI, New Zealand.
- 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 ***The Importance of Careful Assessment of Aging HRSG HP Superheater and Reheater Headers.***  
B. Craig, HRST, USA.
- 16:00 to 16:30 ***IAPWS, AUSAPWS and NZAPWS Updates***  
B. Dooley, Structural Integrity, UK., D. McAllister, Loy Yang B, Australia and D. Addison, Thermal Chemistry, New Zealand
- 16:30 to 17:00 Questions and General Open Floor Discussion  
Sponsor Presentation
- 17:00 Day 1 Concludes -  
Networking, Social Gathering and Drinks within Exhibits. "Brisbane Evening".

ABHUG is kindly supported



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## Day 2 – Wednesday 16th November 2022

- 8:30 to 8:45 Review of Day One. Exhibits and Discussion
- 8:45 to 11:50 **ABHUG Workshop on Film Forming Substances (FFS)**
- 8:45 ***The Latest International Activities on Film Forming Substances.***  
B. Dooley, Structural Integrity, UK.
- 9:15 ***Application of a Film Forming Substance at Kogan.***  
K. Rose, CS Energy, Australia.
- 9:45 to 10:00 Workshop Questions and Discussion
- 10:00 to 10:30 **Morning coffee/tea within Exhibits.**
- 10:30 ***AGL Experiences with using Film Forming Substances (FFS).***  
M. Harris and Another, AGL, Australia.
- 11:00 ***The Due Diligence Required for a Film Forming Substance Application in a CCGT Plant.***  
D. Addison, Thermal Chemistry, New Zealand.
- 11:30 to 11:50 Workshop Questions and Discussion
- 11:50 to 12:00 Sponsor Presentation
- 12:00 to 13:30 **Working Lunch within Exhibits.**
- 13:30 to 14:00 ***Failure of a HP Bypass Line to Cold Reheat Pipe Connection.***  
C. Jones, Quest Integrity Australia Ltd., Australia.
- 14:00 to 14:30 ***Addressing Caustic Gouging in an HRSG HP Evaporator Drain System.***  
V. Yeo and J. Spencer, NewGen Kwinana, Australia.
- 14:30 to 15:00 ***Expansion Joints for Longer Life and Increased Cycling.***  
J. Waterhouse, Dekomte, UK.
- 15:00 to 15:30 **Afternoon coffee/tea within Exhibits.**
- 15:30 to 16:30 ***International Experiences – Fossil and HRSG Plants***
- Update and Statistics on Fossil and HRSG Cycle Chemistry Control and FAC.***  
B. Dooley, Structural Integrity, UK.
- Update and Statistics on HRSG Thermal Transients***  
R. Anderson, Competitive Power Resources, USA.
- 16:30 to 17:00 Questions and General Open Floor Discussion  
Sponsor Presentation
- 17:00 **Day 2 Concludes**

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## Day 3 – Thursday 17th November 2022

- 8:30 to 8:45 Review of Day Two, General Open Floor Discussion and Questions
- 8:45 to 9:15 ***Kogan Reheater Investigations – Stub Tube Failure and Temperature Maldistribution.***  
I. Rawlings, CS Energy, Australia.
- 9:15 to 9:45 ***Automatic Control of Furnace Exit Gas Temperature using Advanced IR Pyrometry in HRSGs at a Combined Cycle Power Station.***  
S. Clayton and J. Perry, HRL, Australia.
- 9:45 to 10:15 Questions and General Open Floor Discussion  
Sponsor Presentation
- 10:15 to 10:45 Morning coffee/tea within Exhibits.
- 10:45 to 11:15 ***Change from Stable Operation to Flexible Dispatch at Loy Yang B.***  
D. McAllister, Loy Yang B, Australia.
- 11:15 to 11:45 ***Back End GT Efficiency.***  
J. Bause, Groome Industrial Service Group, USA.
- 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 ***Steam Turbine Nozzle Plate – Assessment, Repair and Defect Tolerance / Remaining Life Assessment.***  
B. Ham, N Nguyen, H Better and R Coade, HRL Technology Group, Australia.
- 14:15 to 14:45 ***Boiler Drum Operational Limit Analysis in Light of More Flexible Operation***  
A. Abolis, ALS Global, Australia.
- 14:45 to 15:15 Afternoon coffee/tea within Exhibits.
- 15:15 to 15:45 ***Layup Guidelines for Wet and Dry Storage.***  
W. Hill, Energy Australia, Australia.
- 15:45 to 16:15 ***Pelican Point 20 Years of Service - Problems and Experiences.***  
K. Cowley, Engie, Pelican Point, Australia.
- 16:15 to 16:45 ***Improvements of HRSG Superheater and Reheater Attenuator Controls.***  
B. Smith, Provecta, Australia.
- 16:15 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/672250>

Visit the website to Register and for any new  
information.

ABHUG 2022 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  
Michael Drew, ANSTO, Australia  
Stuart Mann, AGL, Australia  
Keith Newman, Synergy, Australia  
Armand du Randt, Genesis Energy, NZ  
Matthew Sands, CleanCo Queensland, Australia



## REGISTER ONLINE AT:

<https://na.eventscloud.com/abhug2022>

REGISTRATION	Pay on or before September 9	Full Registration
<b>ABHUG Conference &amp; Workshops</b> Fee includes: refreshments and lunches on Tuesday, Wednesday and Thursday and Networking Drinks on Tuesday evening.	\$1450.00	\$1600.00

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

Rooms are subject to availability. Room rates are AUD\$260.00 room only or AUD\$285.00 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](mailto:rachel@meccaconcepts.com.au)

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# ABHUG 2022

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## Sponsorship & Exhibition Opportunities

(All prices include GST)

### Gold Sponsorship : (AUD) \$8500.00

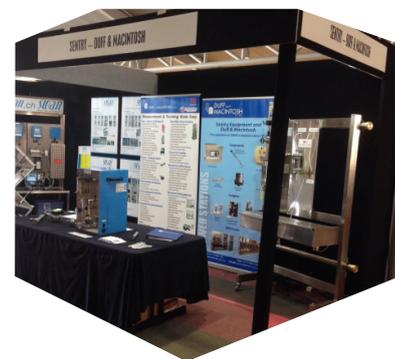
Sponsorship of this item includes...

- Company name and logo displayed
  - » on all promotional material
  - » in sponsorship acknowledgement slides during the conference
  - » on holding slides during the conference
  - » on conference website page (with link to sponsor website)
- Opportunity to display banner in the conference room (pull up banner only to be provided by the sponsor)
- Opportunity for a 10 minute presentation to address attendees
- One complimentary exhibition booth
- One complimentary registration to all conference activities
- acknowledgement on Conference Program

### Exhibition Booths : (AUD) \$2950.00

The conference program and exhibition space has been designed to offer exhibitors maximum networking opportunities with conference delegates. Morning tea, afternoon tea and lunches on Wednesday to Friday will be served in the exhibition display area. The exhibition package includes the following...

- Shell scheme display stand (3m x 2m x 2.4m with velcro compatible panels)
- Company name on fascia sign (20 characters)
- 2 x 150 watt spotlight per booth mounted on light track inside fascia
- 1 x 10 amp power point per booth
- 1 x dressed trestle table and two chairs  
(additional furniture can be purchased at own expense)
- Opportunity for a 10 minute presentation to address attendees
- One complimentary registration to all conference activities.
- Additional "Booth Only" (not conference) passes can be purchased for \$570 (max 2).
- Acknowledgement on Conference Program



### Name Badges and Lanyards : (AUD) \$2300.00

All delegates will be issued with a name badge and lanyard to be worn for the duration of the event.

Sponsorship of this item includes...

- Company logo printed on name badges and lanyards
- Acknowledgement on Conference Program

### Refreshment Breaks : (AUD) \$2000.00 for 3 days OR (AUD) \$800.00 per day

There is a total of 6 morning/afternoon tea breaks and 3 lunches during the conference.

Sponsorship of this item includes...

- Opportunity to display & hand out promotional material during the sponsored day.
- Acknowledgement sign during sponsored day
- Acknowledgement on Conference Program

### Networking Reception : (AUD) \$1500.00

Networking Reception occurs at the conclusion of the first day (Wednesday 5.30-7.30pm).

Sponsorship of this item includes...

- Opportunity to display and give out promotional material during the Networking Reception.
- Acknowledgement sign on refreshment table during the Reception
- Acknowledgement on Conference Program



## Sponsorship & Exhibition Form

please return completed form to MECCA Concepts Pty Ltd via email to rachel@meccaconcepts.com.au

TITLE: \_\_\_\_\_

FIRST NAME: \_\_\_\_\_

LAST NAME: \_\_\_\_\_

POSITION: \_\_\_\_\_

ORGANISATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CITY: \_\_\_\_\_

STATE: \_\_\_\_\_

POST CODE: \_\_\_\_\_

TELEPHONE: (    ) \_\_\_\_\_

FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_

**Level of Sponsorship:** I agree to the Sponsorship and Exhibitor Conditions and request the following: (all prices include GST) **Gold Sponsorship : (AUD) \$8500.00** **Exhibition Booths : (AUD) \$2950.00** **Name Badges and Lanyards : (AUD) \$2300.00** Additional "Booth Only" passes (max 2 per booth) : (AUD) \$570 **Networking Reception : (AUD) \$1500.00****Refreshment Breaks** (AUD) \$2000.00 for 3 days **OR (AUD) \$800.00 per day**

### Payment Details

Please charge the following credit card:    Mastercard     Visa     Amex  50% deposit to confirm the booking, with the remaining amount to be paid 60 days prior to the event Please charge 100% of the sponsorship/exhibition item Direct debit: I would like to pay via EFT, please send me an invoice for 50%  or 100% of sponsorship item selected 

Card number

Expiry date    /    CCV No. \_\_\_\_\_

**Total Paid \$**

Signature \_\_\_\_\_

Cardholders name \_\_\_\_\_

(Please Print)

**Bank Transfer:** Internet Bank Transfer  
to the following account details:-  
Account Name: MECCA Concepts Pty  
Ltd – AHUG Conference Account  
Bank: National Australia Bank  
BSB No: 083 166  
Account No: 89 048 6099  
Swift Code: NATAAU3303M

### General Terms and Conditions for ABHUG Conference & Workshops 2022

Sponsorship / Exhibition booking is held when sponsor agreement booking form completed and returned to Conference Organiser. An invoice will be sent for the item. Invoices and monies are in Australian Dollars and are GST inclusive. Sponsorship/Exhibition confirmed once payment received. In the event of cancellation, sponsors/exhibitors are required to inform MECCA Concepts Pty Ltd in writing. Unless sponsored item/exhibition can be resold, the Organisers reserve the right to retain monies paid. Promotional activity must not impinge on or directly interfere with any other sponsor/exhibitor. Sponsors and Exhibitors are liable for any damage they cause to the venue and/or the exhibition booths. The organiser is not liable for damages or loss to sponsor or exhibitor's property. Exhibitors must be adequately covered for Public and Product liability insurance. It is the responsibility of the exhibitor to arrange appropriate insurance for items within their exhibition. Location of Corporate Company banners will be at the Organisers discretion.