

**2024 ACCUG Meeting**  
**July 23-25, 2024**  
**London, England**

The 15<sup>th</sup> annual meeting of the Air-Cooled Condenser Users Group will include presentations and discussion on the following topic categories on July 23 and 24:

**Chemistry and Corrosion**  
**Design and Performance**  
**Operation and Maintenance**

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**ACC Tour: Thursday, July 25**



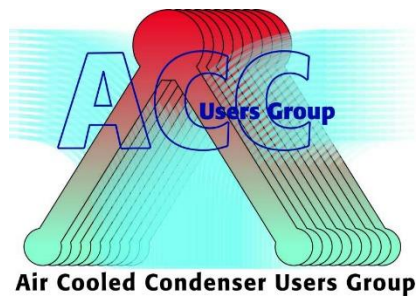
A tour is planned of the ACC at Coryton Station, an 800-MW 2X1 combined cycle gas-fired powerplant with a 40-cell air-cooled condenser, allowing ~95% less water consumption than a typical thermal power plant. Coryton Station is about 30 miles east of London.

Registration and further details are located on the website: <https://acc-usersgroup.org/>

The agenda is being finalized and will be posted on the website when complete. There are a few slots available for presentations; abstracts for these are being accepted for Steering Committee review. Please submit these by email to any member of the Steering Committee:

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## **ACCUG 2024 Agenda** (current as of May 7, 2024)

### **Tuesday, July 23, 2024**

7:30 – 8:30 AM BREAKFAST

8:30 – 8:40 AM Welcome and Introduction to the ACCUG

#### **Session 1: Chemistry & Corrosion** Chair: Barry Dooley, Structural Integrity

8:40 – 9:15 AM Barry Dooley, Structural Integrity: *ACC Chemistry Overview*

9:15 – 9:45 AM Durgesh Kumar Lohiya, NTPC: *Design Details of CPU System of NTPC ACC-Based Project*

9:45– 10:15 AM BREAK

10:15 – 10:45 AM Manfred Jansen, Anodamine: *Experiences of Anodamine in Plants with ACC*

10:45 – 11:30 AM DISCUSSION: Chemistry & Corrosion

#### **Session 2: Design & Performance** Chair: Riad Dandan, Dominion Energy

11:30 AM – 12:00 PM Johan Dewinter, John-Cockerill Hamon: *Alternative Induced Draft Solution*

12:00 – 1:00 PM LUNCH

1:00 – 1:30 PM Sean Cusick, SPG Dry Cooling: *Unlocking Efficiency: Overcoming Subcooling Challenges in Air-Cooled Condenser Systems*

1:30 – 2:00 PM Huub Hubregtse, ACC-Team Technology: *Performance improvement*

2:00 – 2:30 PM Jason Dehem, AX Systems: *More Performance With Less Resources?*

2:30 – 3:00 PM BREAK

3:00 – 3:30 PM Jeff Ebert, Galebreaker: *Mitigating Wind Effects from High Seasonal Winds*

3:30 – 4:00 PM Mohamadreza Vaghar, MAPNA: *Investigation of Airflow over Air Cooled Condenser's Tube bundle in order to Improve Cooling System Efficiency*

4:00 – 4:30 PM Gyorgy Budik, MVM-EGI: *From Medium to Large Scale: A Brief Introduction of Dry/Wet Hybrid Cooling Systems*

4:30 – 5:00 PM DISCUSSION: Design & Performance

5:00 – 7:00 PM RECEPTION

### **Wednesday, July 24, 2024**

- 7:30 – 8:30 AM            BREAKFAST
- 8:30 – 9:00 AM            Chris Meyer, Stellenbosch University: *From Academia to Industry: large-scale implementation of advanced fan technology through innovation in design and manufacture*
- 9:00 – 9:30 AM            Cosimo Bianchini, Ergon Research: *Recent Progress in the Modelling of Wind Detrimental Effects on ACC Performance*
- 9:30 – 10:00 AM          BREAK
- 10:00 – 10:30 AM         Eleanor Baimbridge, Suez: *Live Performance Modelling of Energy from Waste (EfW) Facility's ACCs to Optimise Cleaning Regimes and Maximise Electricity Generation*
- 10:30 – 11:00 AM         DISCUSSION: Design & Performance

### **Session 3: Operation & Maintenance**    Chair: Hector Moctezuma, Valia Energia

- 11:00 – 11:30 AM         Kris Herijgers and Rob Green, Sumitomo: *Cooling technology/ACC gearbox evolution*
- 11:30 AM – 12:00 PM     Lee Rhodes, Ferrybridge Power Station: *Performance Improvement Ferrybridge 1 Power Station*
- 12:00 – 1:00 PM            LUNCH
- 1:00 – 1:30 PM            Muhammad Asim, ENGIE-Fadhili: *Fadhili Saudi Arabia – ACC Wind Mitigation Project Experience*
- 1:30 – 2:00 PM            Patrick Saususs, Evapco-FanTR: *Fan Modification Impacts on ACC Vibration – A Case Study*
- 2:00 – 2:30 PM            Chris Meyer, Stellenbosch University: *Update on Current ACC-related Research at Stellenbosch*
- 2:30 – 3:00 PM            BREAK
- 3:00 – 3:30 PM            Jacques Muiyser, Howden Netherlands: *Low Noise ACC Fan Retrofit Case Study*
- 3:30 – 4:15 PM            Discussion: Operation & Maintenance
- 4:15 – 5:00 PM            Intergen / Coryton Station personnel: *Coryton Station and Preview of the Air-Cooled Condenser*

### **Thursday, July 25, 2024**

- 8:00 AM – 1:00 PM        TOUR OF CORYTON STATION ACC