HEAT RECOVERY STEAM GENERATOR USER GROUP 2019

Institution of MECHANICAL ENGINEERS

4-5 December 2019

Nottingham Belfry Hotel, Nottingham

Thermal Power Committee, Power Industries Division

Conference

KEY SPEAKERS INCLUDE:

Bob Anderson, Consultant

Competitive Power Resources Corporation

Lee Warren, Head of Thermal Power

Drax Power
Simon Dawes Head of the Canacity Mari

Simon Dawes, Head of the Capacity Market

Department of Business, Energy & Industrial
Strategy

Jack Abbott, Regulatory Manager, Wholesale Energy Markets

Centrica

Paul Grady, Mechanical Inspector Health and Safety Executive



SPONSORS:



















SUPPORTING ORGANISATIONS:









HEAT RECOVERY STEAM GENERATOR USER GROUP 2019

4-5 December 2019, Nottingham Belfry, Nottingham

THIS INDUSTRY RECOGNISED, BI-ANNUAL CONFERENCE FEATURES TWO DAYS OF PEER-REVIEWED PRESENTATIONS ON MARKET CHANGES, UPGRADES AND NEW TECHNOLOGIES IMPACTING HEAT RECOVERY STEAM GENERATORS (HRSGs). JOIN END-USERS, INDUSTRY EXPERTS AND SOLUTION PROVIDERS FOR ROBUST DISCUSSIONS ON HOW TO MAXIMISE THE PERFORMANCE OF YOUR EQUIPMENT.

You will hear presentations from key stakeholders on trends in the power market and their impact on generators. Engage in these conversations to improve your understanding and prepare for continued disruption as the energy system transitions.

Hear case studies on cutting edge refurbishments and developments in existing plants to understand the challenges faced. Leverage this experience to ensure that your future projects are delivered on time and on budget.

Take advantage of networking opportunities including a complementary drinks reception and dinner to deepen relationships with key industry contacts and clients. This unique event is the perfect opportunity to keep in touch with technological developments, industry trends, and HRSG thought leaders.

KEY PROGRAMME HIGHLIGHTS:

- Gain an update on the global energy market from Competitive Power Resources
- Hear Drax Power and RWE Generation UK PLC's end-user perspectives on HRSG projects
- Discover lessons learned from the worldfirst high-efficiency gas turbine upgrade from Uniper Technologies
- Hartford Steam Boiler and British Engineering Services share best practices on written schemes and HRSG certification
- Frazer-Nash Consultancy explores the potential of digital twins to improve economic outcomes

ATTEND THIS USER GROUP TO:

- Keep abreast of new developments in Heat Recovery Steam Generation
- Make the most of over seven hours of networking time including a networking drinks reception and dinner open to all
- Hear expert speakers share their experience delivering upgrades and refurbishments
- Network with exhibitors across both days of the conference to learn about innovative products and solutions
- Come armed with questions to pose during question and answer sessions for each topic

ORGANISING COMMITTEE:

Thermal Power Committee Power Industries Division **Institution of Mechanical Engineers**

MEMBER CREDITS:

Chris Dometakis
Centrica

Joanne Kehoe

Uniper

David Bogert

RWE

Graham Sorbie **SSE**

Toby Lant,

Centrica

Alan Fitzpatrick

CNA Hardy

Matthew Coates **Uniper**

PROGRAMME

	WEDNESDAY 4 DECEMBER 2019	
08:30	REGISTRATION AND REFRESHMENTS	
09:00	CHAIR'S OPENING REMARKS Bob Anderson, Consultant, Competitive Power Resources Corporation	
	MARKETS	
09:05	KEYNOTE PRESENTATION: AN UPDATE ON THE GLOBAL HRSG LANDSCAPE Bob Anderson, Consultant, Competitive Power Resources Corporation	
09:30	QUESTION AND ANSWER SESSION	
09:35	CHALLENGES FOR WHOLESALE POWER MARKETS OF INCREASED RENEWABLE GENERATION AT SCALE AND CHANGING ECONOMIC AND GOVERNMENTAL LEGISLATION Matthew Surry, Energy Trader, SSE plc	
10:00	HEAT RECOVERY IN INDUSTRY FOR INDUSTRY AND DISTRICT HEATING Jon Sanderson, Senior Sales Manager, Energy Services, Uniper	
10:25	QUESTION AND ANSWER SESSION	
10:30	NETWORKING REFRESHMENT BREAK	
	UPGRADES AND REFURBISHMENT	
11:05	HIGH EFFICIENCY (HE) GAS TURBINE UPGRADE IMPACT ASSESSMENT: FROM MEETINGS TO MEGAWATTS Alexander Duncan, Integrity Engineer, Uniper Technologies	
11:30	HRSG UPRATING: ASSESSMENT, IMPLEMENTATION AND TESTING Ryan Broughton, Principal Engineer, WSP	
11:55	KING'S LYNN REPLANT: HRSG MODIFICATIONS TO MATCH GAS TURBINE UPGRADE Raphaël Stevens, After-sales Technical Manager, John Cockerill Energy	
12:20	QUESTION AND ANSWER SESSION	
12:35	NETWORKING LUNCH	
	KEYOTE PRESENTATION	
13:35	KEYNOTE PRESENTATION: THE NEED FOR FLEXIBILITY IN THE UK ELECTRICITY SYSTEM Jack Abbott, Regulatory Manager, Wholesale Electricity Markets, Centrica	
14:00	QUESTION AND ANSWER SESSION	
	REPAIRS	
14:05	LARGE MOVEMENT PENETRATION SEALS AND INTEGRATION TO CASING Jake Waterhouse, Sales & Technical Director, Dekomte	
14:30	START/STOP OPERATION AND IMPROVEMENTS FOR FASTER STARTS Karel van Wijk, CEO, Advanced Valve Solutions USA Inc.	
14:55	QUESTION AND ANSWER SESSION	
15:05	NETWORKING REFRESHMENT BREAK	
	UPGRADES AND REFURBISHMENT CONTINUED	
15:35	DEVELOPMENT OF VERTICAL ONCE-THROUGH EVAPORATORS FOR LARGE GAS TURBINE APPLICATIONS Lorenzo Giusti, Thermal & Hydraulic Engineer, Siemens	
16:00	REDUCING PROJECT COSTS THROUGH INTEGRATED PROJECT MANAGEMENT Ian Brown, Vice President, Managing Director – EMEA, Hartford Steam Boiler	
16:25	QUESTION AND ANSWER SESSION	
	MODELLING	
16:35	EXPLOITING DIGITAL TWINS FOR BETTER ECONOMIC OUTCOMES Peter van Manen, Service Development Consultant, Frazer-Nash Consultancy	
17:00	QUESTION AND ANSWER SESSION	
	AFTERNOON KEYNOTE PRESENTATION	
17:05	KEYNOTE PRESENTATION: UPDATE ON THE UK CAPACITY MARKET Simon Dawes, Head of the Capacity Market, Department for Business, Energy & Industrial Strategy	
17:30	QUESTION AND ANSWER SESSION	
17:35	CHAIR'S CLOSING REMARKS	
17:40	END OF DAY ONE, DRINKS RECEPTION AND DINNER	

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17:05 CHAIR'S CLOSING REMARKS	17:30		
	16:55	QUESTION AND ANSWER SESSION	
17:10 END OF CONFERENCE	17:05	CHAIR'S CLOSING REMARKS	
	17:10	END OF CONFERENCE	

For the most up-to-date and detailed programme for the event, please visit: www.imeche.org/hrsg

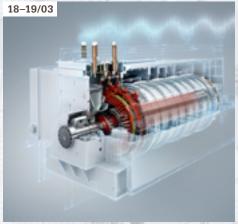
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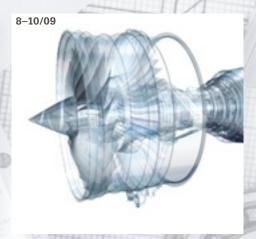
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www.imeche.org/stug

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21 November 2019

Science and Industry Museum, Manchester



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Delegate Type	STANDARD RATE
Member, Institution of Mechanical Engineers / Supporting Organisation	£525 + VAT = £630
Non-member	£615 + VAT = £738
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THREE WAYS TO BOOK

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CONFERENCE VENUE

Nottingham Belfry Hotel

Mellors Way Nottingham NG8 6PY

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18-19 March 2020, Manchester

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