

TUNNELTECH 2017: BREAKING GROUND IN NEW TECHNOLOGIES

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18 AUGUST 2017

Conference

26–27 September 2017
One Birdcage Walk, London

KEY SPEAKERS INCLUDE:

Phil Deebank, Principal Specialist Inspector,
Tunnelling Portfolio Holder, Construction
Engineering Specialist Team
Health and Safety Executive

Martin Gosling, Head of Northern Line Extension
London Underground

Bob Brown, Project Manager (Tunnelling),
Hinkley Point C
EDF Energy

Ryan Moor, Project Manager
Tideway

Chris Dulake, Global Metros and Transit Practice
Leader & Major Projects Portfolio Director
Mott MacDonald



EXHIBITORS:



Dräger



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TUNNELTECH 2017: BREAKING GROUND IN NEW TECHNOLOGIES

26–27 September 2017
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TUNNELTECH 2017 IS THE ONLY EVENT TO FOCUS SPECIFICALLY ON THE EQUIPMENT AND TECHNOLOGIES THAT ARE IMPROVING PERFORMANCE AND SAFETY.

Hear updates on current cross-sector tunnelling projects such as **Hinkley Point C**, **Thames Tideway**, the **Northern Line extension** and the **Paisley Project**. Gain insight into how the technical challenges were managed on the completed **Crossrail** and **Lee Tunnel** projects to take back to your organisation. This unique event will feature a half-day workshop on best practice in tunnelling health and safety, as well as systems to mitigate fire risk during construction and operation. Take the opportunity to be part of the discussion around the importance of prioritising safety and human factors through our round table sessions.

KEY PROGRAMME HIGHLIGHTS:

- Stay up-to-date on the progress made by **EDF Energy** on their water cooling tunnel construction project at **Hinkley Point C**
- **Thames Tideway** share insights on the tunnel boring machine being used for the main Tideway tunnel's Western Section
- Take away key technical lessons learned by **Mott MacDonald** on the **Crossrail** project
- Learn about the successful use of the first **micro tunnelling boring machine** from **Scottish Water**
- Gain insight into fire suppression systems, both during construction and operation, from **COWI**

ATTEND THIS EVENT TO:

- Discover the **latest tunnelling innovations** being used and take back industry knowledge to your organisation
- Gain **best practice** from leaders of completed projects to overcome key technical challenges
- Receive direct guidance from the **Health and Safety Executive** to ensure your tunnelling projects are compliant
- Network and engage with **key players in tunnelling** from project directors and managers to design engineers from solution providers, operators and contractors
- Learn about cross-sector tunnelling projects from major organisations such as **EDF Energy**, **Mott MacDonald**, **MVB Joint Venture**, **BAM Nuttall**, **Scottish Water**, **Transport for London** and **CH2M**

WITH THANKS TO:

Kate Hunt MEng CEng FIMechE, Technical Director, Service Leader
WSP

Graham Neil, Head of Rolling Stock
London Underground

Safety and Reliability Group
Institution of Mechanical Engineers

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TERMS AND CONDITIONS APPLY

PROGRAMME

WORKSHOP	TUESDAY 26 SEPTEMBER 2017
	A LIGHT AT THE END OF THE TUNNEL: PRIORITISING SAFETY IN TUNNELLING
13:00	REGISTRATION AND REFRESHMENTS
13:30	CHAIR'S OPENING REMARKS Kate Hunt, Technical Director, Service Leader - Tunnel Ventilation & Operations, WSP
13:40	FIRE, REFUGE AND ESCAPE DURING TUNNELLING WORK AND 'IN-TUNNEL' CONSTRUCTION Phil Deebank, Principal Specialist Inspector, Tunnelling Portfolio Holder, Construction Engineering Specialist Team, Health and Safety Executive
14:05	USE OF COMPRESSED AIR FOR INTERVENTIONS ON TUNNEL BORING MACHINES (TBMS) WORKING AT HIGHER PRESSURES Roy Slocombe, Director, Herrenknecht International
14:30	MITIGATION OF FIRES IN TUNNELS: A LOOK INTO PASSIVE AND ACTIVE FIRE SUPPRESSION IN TUNNELS Karen Cheung, Technical Director- Segmental Tunnels, COWI Stig Ravn, Technical Director – M&E Infrastructure, COWI
14:55	QUESTION AND ANSWER SESSION
15:10	NETWORKING REFRESHMENT BREAK
15:40	ROUND TABLES: SAFETY CONSIDERATIONS DURING CONSTRUCTION Join your peers and the expert facilitator for a lively and interactive session. <ul style="list-style-type: none"> • How can the industry manage fatigue effectively taking into account the travel to the face? • Should there be clearer standards and guidance for fire safety in tunnel construction and what should they entail? • How can the industry better manage the safety considerations onsite?
16:40	REPORTING BACK SESSION Discussion leaders share the most poignant points and findings from each groups.
17:00	CHAIR'S CLOSING REMARKS
17:10	END OF WORKSHOP
CONFERENCE	WEDNESDAY 27 SEPTEMBER 2017
08:30	REGISTRATION AND REFRESHMENTS
09:00	CHAIR'S OPENING REMARKS
09:10	OUTLINING A POSITIVE FUTURE FOR THE UK TUNNELLING INDUSTRY Mark Leggett, Chair, British Tunnelling Society
Keynote	CURRENT WATER TUNNELLING PROJECTS
09:40	TUNNEL BORING MACHINE (TBM) MECHANISATION ON TIDEWAY Ryan Moor, Project Manager, Tideway Ivor Thomas, Project Manager, BAM Nuttall
10:05	MICRO TUNNELLING IN PAISLEY Neil McCulloch, Senior Project Manager, Scottish Water
10:30	QUESTION AND ANSWER SESSION
10:45	NETWORKING REFRESHMENT BREAK
	INSIGHT INTO TUNNELLING IN NUCLEAR
11:15	TUNNELLING FOR NUCLEAR NEW BUILD Bob Brown, Project Manager (Tunnelling), Hinkley Point C, EDF Energy Gareth Taylor, Programme Manager, Hinkley Point C, EDF Energy
	DEVELOPMENTS IN TUNNELLING FOR RAIL IN THE UK
11:40	TUNNELLING ON THE NORTHERN LINE EXTENSION Martin Gosling, Head of Northern Line Extension, London Underground Neil Moss, Principal Tunnel Engineer, Transport for London
12:05	TEMPORARY TUNNEL VENTILATION FOR FITTING OUT MAJOR METRO PROJECTS Joe Bristow, Assistant Engineer, Mott MacDonald
12:30	QUESTION AND ANSWER SESSION
12:45	NETWORKING LUNCH
	TUNNELLING SYSTEMS AND TECHNOLOGY
13:45	DEVELOPMENTS IN THERMAL TUNNEL LININGS Alex Chen, Arup
14:10	STRUCTURAL HEALTH MONITORING FOR TUNNELS: OPPORTUNITIES AND CHALLENGES Peter Wright, Director (Tunnels, Europe), CH2M
14:35	QUESTION AND ANSWER SESSION
14:45	NETWORKING REFRESHMENT BREAK
	LESSONS LEARNED FROM COMPLETED TUNNELLING PROJECTS
15:15	CROSSRAIL: UNDERGROUND CONSTRUCTION PLANNING AND DELIVERING Chris Dulake, Global Metros and Transit Practice Leader & Major Projects Portfolio Director, Mott MacDonald
15:40	INSIGHTS FROM THE LEE TUNNEL PROJECT Representative, Morgan Sindall VINCI Construction Grands Projets Bachy Soletanche (MVB) Joint Venture
16:05	QUESTIONS AND ANSWERS SESSION
16:15	PANEL DISCUSSION: DIGGING DEEPER INTO TECHNOLOGICAL ADVANCEMENTS.
16:55	CHAIR'S CLOSING REMARKS
17:00	END OF CONFERENCE

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

- This programme is subject to change.
- The Institution is not responsible for the views or opinions expressed by individual speakers.

HOW TO BOOK YOUR PLACE

FEES AND CHARGES

Registration fees include entry to the sessions, refreshments and a copy of the conference proceedings.

Conference and Workshop	Early Bird Rate Until 18 August 2017	Standard Rate
Member, Institution of Mechanical Engineers/Supporting Organisation	£360 + VAT = £432	£420 + VAT = £504
Non-member	£430 + VAT = £516	£490 + VAT = £588
Student/Retired	£140 + VAT = £168	£140 + VAT = £168
Conference only	Early Bird Rate Until 18 August 2017	Standard Rate
Member, Institution of Mechanical Engineers/Supporting Organisation	£300 + VAT = £360	£360 + VAT = £432
Non-member	£380 + VAT = £456	£440 + VAT = £528
Student/Retired	£100 + VAT = £120	£100 + VAT = £120

Group booking discounts are available. Contact us for more information.

THREE WAYS TO BOOK

- 1 Online:
www.imeche.org/tunneltech
- 2 Email:
eventenquiries@imeche.org
- 3 Phone:
+44 (0)20 7973 1251

Please read the information listed below as each booking is subject to the Institution's standard terms and conditions.

CONDITIONS OF BOOKING

Completed application forms should be returned to the address above, along with the correct payment. Attendance at the event will be confirmed on receipt of the full balance. All participants are advised to bring a copy of their confirmation with them on the day, to ensure the fastest possible entry.

SPECIAL REQUIREMENTS

Please inform us of any special requirements, ie dietary or access, on the relevant section of the booking form or email eventenquiries@imeche.org

CANCELLATION

For a refund (minus £25+VAT admin charge), cancellations must be received at least 30 days prior to the event. Replacement delegates are welcome at any time. The Institution reserves the right to cancel any event. In this case, the full fee will be refunded unless a mutually convenient transfer can be arranged. In the event that the Institution postpones an event for any reason and the delegate is unable or unwilling to attend on the rescheduled date, they will receive a full

refund of the fee paid. The Institution is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. The Institution shall assume no liability whatsoever if this event is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For the purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.

Please note that while speakers and topics were confirmed at the time of publishing, circumstances beyond the control of the organisers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. The Institution reserves the right to alter or modify the advertised speakers and/or topics if necessary without any liability to you whatsoever. Any substitutions or alterations will be updated on the event's webpage as soon as possible.

LIABILITY

The organisers do not accept liability for any injuries or losses of any nature incurred by delegates and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings.

CONFERENCE VENUE

Institution of Mechanical Engineers
One Birdcage Walk
Westminster
London
SW1H 9JJ

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OTHER EVENTS TO LOOK FOR



CRANE SAFETY 2017

20 September 2017, London

This popular seminar returns for its second consecutive year to further explore all the relevant issues surrounding the safe operation of cranes. Attend to hear insights from leading operators, manufacturers and the industry regulator.

www.imeche.org/cranesafety2017



HEAT RECOVERY STEAM GENERATOR USER GROUP

21-22 November 2017, Nottingham

Join this biennial user group to share the latest technical insights and network with designers, OEMs and operators of heat recovery steam generator assets.

www.imeche.org/hrsg

The Institution of Mechanical Engineers organises over 120 events a year, including lectures as well as conferences, seminars, annual luncheons and dinners. Please visit www.imeche.org/events for the complete list of events.

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