



# CONFERENCE & EXHIBITION GUIDE

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On behalf of the British Tunnelling Society, I am pleased to welcome you to the BTS 2024 Conference and Exhibition.

BTS 2024 is the largest gathering of tunnelling professionals in the UK and is an essential meeting point for everyone involved in the operation/ maintenance, design, and construction of today's underground infrastructure!

Alongside the packed exhibition hall with over 55 exhibitors and the opportunity to discover new technologies and network, there is a two-day conference with a focus on the future and will be shining the spotlight on innovative technologies, including the much-misunderstood sector of AI in tunnelling, the effect of underground construction on the environment and how to minimise its impacts, alongside the usual mix of projects and new developments that are pushing the limits of engineering.

With well over 20 presentations booked in, ranging from site reports from HS2, cutting edge TBM developments, sustainable tunnelling in the face of climate change, The David Wallis Lecture, Woodsmith Mine, Gothenburg and Stockholm, a complete session on contemporary tunnel lining solutions, and another session dedicated entirely to the small-bore sector – which is looking increasingly like the UK's next big market!

Also, we have our first ever panel discussion on inclusivity. Whilst we will focus on Women in Engineering in this panel, our discussion is driven by you and what you think is important. Crucially how can we make space for people to ask questions and feel comfortable to challenge and learn about inclusion so that everyone can understand?

Don't forget the BTS evening meeting at BTS 2024 from 6pm in the Whittle Room ... join us in celebrating three ground-breaking UK projects from the past 50 years that have been recognised by the International Tunnelling and Underground Space Association as part of their "50 Iconic Projects at 50" list.

The Channel Tunnel, Crossrail-Elizabeth Line, and Thames Tideway are transformative projects that have significantly impacted our society. We'll hear from representatives of each project, followed by a Q&A session where you can share your experiences and insights on the iconic nature of British tunnelling, both past, present and future.

I would like to take this opportunity to extend my thanks to all the speakers, exhibitors and of course to our conference and exhibition organisers Tunnelling Journal. I want to particularly thank Conference Chair, Daniel Garbutt and his team, who have invested considerable time and effort in the preparation of this conference.

I would finally like to thank you all - attendees and your companies for your presence, which of course makes this event the success that it is.



John Corcoran – BTS Chair

**ADMISSION TO THE EXHIBITION IS FREE TO BONA FIDE TRADE VISITORS ONLY.**  
**STRICTLY NO ADMISSION TO UNDER 16'S**

### THE EXHIBITION TEAM IS:

Gary Tween: **Event Director**  
Tris Thomas: **Event Director**  
Daniel Lee-Billinghurst: **Sales Director**  
Mark Piper: **Registration Director**  
Peter Bell: **Director**  
Sian Piper: **Registration Manager**  
Kristina Smith: **Event Manager**  
Kerry Bigwood: **Event Manager**  
Nikki Williams: **Event Advisor**

#### ORGANISERS OFFICE:

The Organisers Office is located off the Fleming Room and is clearly signposted

### EXHIBITION OPEN TIMES:

**TUESDAY 8TH OCTOBER**  
**8.30 – 18.00**

**WEDNESDAY 9TH OCTOBER**  
**8.30 – 16.00**

### INDEMNITY

The Organisers of the exhibition are not in any way responsible for the statements made in connection with the exhibits, the particulars of which have been supplied by various exhibitors

### PUBLIC ADDRESS SYSTEM

Only messages of EXTREME URGENCY will be relayed over the public address system, such as in the event of having to evacuate the building. Under NO circumstances will messages of a general or promotional nature be relayed during the open period of the show.

### SECURITY

A security service will be in operation. However, the Organisers cannot be held responsible for any loss or damage to the attendee's property. All attendees are advised not to leave their valuables unattended at any time when the hall is open.

### PROHIBITIONS

The Organisers of the BTS 2024 event reserve the right to grant or refuse admission to the conference and exhibition at their discretion any person or persons whose conduct, in the opinion of the organisers renders such a course desirable.

### REPRODUCTIONS

No object exhibited may be drawn, copied or reproduced in any manner whatsoever without the written consent of the exhibitors and the organisers.

### CANVASSING

Canvassing for orders by any unauthorised person is strictly prohibited and in any such case, the right of expulsion will be at once exercised. The distribution or display of placards, handbills or circulars, or other articles, except by the exhibitors on their own stand is prohibited.



BTS 2024 Conference and Exhibition is organised by Tunnelling Journal on behalf of the British Tunnelling Society

#### Tunnelling Journal

The Old Library, Webster House,  
Dudley Road, Tunbridge Wells TN1 1LE  
Tel: + 44 (0) 1892 522 585  
Email: [gary@tunnellingjournal.com](mailto:gary@tunnellingjournal.com)  
Web: [www.btsconference.com](http://www.btsconference.com)

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### ATTENDEE BADGES

Badges must be worn at all times. Badges will also be requested at social events.



### BANKS

ATM cash machines can be found at Barclays Bank located on the corner of Victoria Street, approximately 2 minutes walk from the QEII Centre.



### BUSINESS CENTRE

Business Centre  
For all your business service needs, including photocopying and faxing, please visit the Business Centre situated on the Ground Floor. The Business Centre is open from 08.00-18.00 Monday to Friday.



### CLOAKROOM

The Cloakroom is located on the Ground Floor and is open from 08.00 to 18.00 and is provided free of charge. Please note that whilst your personal luggage is allowed to be stored in the Cloakroom, the venue do not allow conference bags to be deposited.



### FIRST AID

Qualified First Aiders are on site during all events. Should you have a medical emergency notify Security Control on 4444, using the grey coloured phone or contact a member of staff, and a First Aider will be despatched. There is a First Aid Room on the ground floor to which First Aiders have access. The First Aider will arrange for an ambulance should this become necessary.



### TAXIS

You can pre-book a taxi by contacting the Business Centre who will be delighted to assist you. However, you are advised that the quickest way to secure a taxi is to exit the venue and make your way onto Victoria Street, directly in front of the venue, as there are taxis passing here all the time.



### LOST PROPERTY

Please keep a close eye on your belongings at all times and utilise the cloakroom facilities at all times. Please ensure you clearly label your delegate bag, only one bag per person will be distributed. Any lost property items will be sent to the Business Centre on the Ground Floor in the first instance.



### PUBLIC ADDRESS SYSTEM

Only messages of EXTREME URGENCY will be relayed over the public address system, such as in the event of having to evacuate the building. Under NO circumstances will messages of a general or promotional nature be relayed during the open period of the show.



### SECURITY

A security service will be in operation. However the Organisers cannot be held responsible for any loss. All staff and visitors to the QEII are encouraged to notify Security Control on extension 4444 should they become suspicious of any activity, bag or package.



### HEALTH AND SAFETY

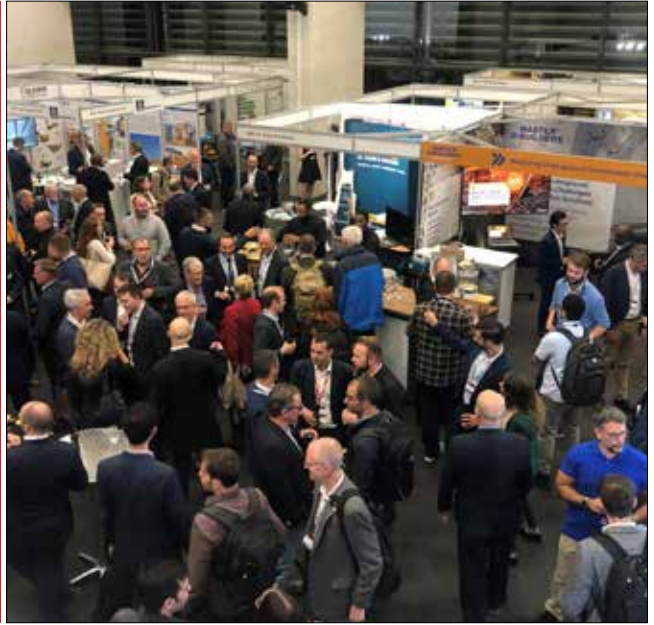
Raise the alarm immediately, either operate the nearest break glass call point, or dial 4444 and report verbally. Once the alarm is raised a two-tone general alert will sound briefly, followed by an automated PA announcement stating the alarm is being investigated. During this time, Floor Wardens who are trained members of the QEII staff will make their way to the designated floors to reassure people that the situation is under control. Unless there is obvious evidence of a fire no immediate action is required. Once the cause of the alarm has been established, an announcement will be made stating whether the alarm is false, or a real emergency, in which case further instructions will be given, and a Voice Alarm will direct you when to evacuate. Do not use the lifts, once out of the building make your way to the assembly point on the QEII lawn at the front of the building. Do not re-enter the building until given clearance by the QEII security team.

## BTS 2024 DRINKS RECEPTION

The BTS 2024 drinks reception will take place after the BTS evening meeting on Tuesday 8th October from approximately 7.00pm to 8.30pm.

The drinks reception is open to all delegates, exhibitors and visitors, including those who attended the BTS meeting.

There will be enough for everyone to have 2 or 3 drinks, but please drink responsibly.



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# CONFERENCE PROGRAMME

## Day 1 (8th October) Session 1: Welcome and Keynotes – Conference Chair: Daniel Garbutt

- 9.10am: Welcome
- 9.15am – 9.45am: Building and maintaining low-carbon infrastructure.  
*Keith Bowers – Lower Thames Crossing Project Director - Tunnel & Approaches*
- 9.45am – 10.15am: Innovation – a force for CHANGE. - *Nick Sumption, i3P Delivery Lead (Director, Sumption Solutions)*
- 10.15am – 10.45am: A look ahead to where AI and related technologies will advance tunnel design and construction in the coming years.  
*Professor Mike A Mooney, PE PhD, Grewcock Chair Professor of Underground Construction & Tunneling, Colorado School of Mines*
- 10.45am – 11am: Q&A
- 11am – 11.45am: Coffee Break

## Day 1 – Session 2: Innovation in action

- 11.45am – 12.05pm: Current developments and innovations in TBM technology  
*Prof. Dr. Gerhard Wehrmeyer, Product Management TT Herrenknecht AG*
- 12.05pm – 12.25pm: Elon Musk's NOT-A-BORING Competition winner 2024!  
Swissloop Tunneling – A student project reaching new milestones in TBM innovation  
*Philippe Kientsch, Head of Mechanical & Civil Engineering, Swissloop Tunneling*
- 12.25pm – 12.45pm: Battery Electric Vehicles (BEVs) in tunnelling: why are our mining industry friends so far ahead?  
*Ross Dimmock, Vice President Tunnelling, Normet Group*
- 12.45pm – 1.05pm: InSAR & Tunnelling: An innovative complement to design, construction & monitoring  
*Dr Renalt Capes, InSAR Application Consultant*
- 1.05pm – 1.15pm: Q&A
- 1.15pm – 2.15pm: LUNCH

## Day 1 – Session 3: Sustainability and the Environment

- 2.15pm – 2.35pm: Sustainable tunnelling in the face of climate change  
*Dr. Panos Spyridis, Professor for Concrete Structures and Infrastructures Engineering, University of Rostock, co-authored by Prof. Dr. mult. Konrad Bergmeister, Head of Institute of Structural Engineering (IKI), BOKU University*
- 2.35pm – 2.55pm: Low carbon concrete linings  
*Dr Benoit Jones, Managing Director, Inbye Engineering*
- 2.55pm – 3.30pm: Panel Discussion – Innovation and its role in creating a sustainable environment  
*Chair: Ken Kwok, Technical Director, Bouygues TP UK - Panelists: Crystal Moore, Senior Lead, i3P seconded from the Environmental Agency; Philip Morley, Director, Arup; Antoine Schwob, Project Director, BMJV for Lower Thames Crossing Project; Mark Hansford, Knowledge Director, ICE; Benoit Jones, Managing Director, Inbye Engineering*
- 3.30pm – 4pm: Coffee Break

## Day 1 – Session 4: Innovative construction, materials and lining technology

- 4pm – 4.20pm: Using codes and standards to facilitate the adoption of lower carbon fibre reinforced concrete tunnel linings - *Chris Peaston, Director, Peaston Concrete Consultancy Limited*
- 4.20pm – 4.40pm: Ultra-low carbon precast concrete tunnel linings in practice  
*Bruno Paul-Dauphin – Director of Exegy - Sustainable Concrete Solutions at VINCI Construction*
- 4.40pm – 5pm: Advancing understanding of stress distribution in Composite Tunnel Linings: Insights from case studies using advanced numerical modelling  
*Jiang Su PhD MPhil BEng CEng FICE, Chief Tunnel Engineer, AtkinsRéalis*
- 5pm – 5.30pm: The suppliers angle  
*Featuring: Sarah Langley, Sika, Head of Infrastructure; Steve Price, Mapei UTT - Underground Technology Team, Country Manager UK and ROI; Chris Moxham, Master Builders Solutions, Global Tunnelling Marketing Manager*



5.30pm – 5.40pm:	Q&A and Close
6pm – 7.30pm	BTS Evening Presentation: Join us in celebrating three ground-breaking UK projects from the past 50 years that have been recognised by the International Tunnelling and Underground Space Association as part of their “50 Iconic Projects at 50” list. The Channel Tunnel, Crossrail-Elizabeth Line, and Thames Tideway are transformative projects that have significantly impacted our society. Speakers: Martin Knights – in Memory of Olivier Vion and Claude Berenguier; Alan Myers – Channel Tunnel; Mike King – Crossrail Elizabeth Line; James Smith - Tideway Tunnel
7.30pm	Drinks Reception

## Day 2 (9th October) Session 1

9am – 9.05am	Session Chair welcome
9.05am – 9.35am:	David Wallis Paper - <i>John Corcoran, BTS Chair</i>
9.35am – 9.55am:	Tunnelling Through the Chilterns - <i>Ben Bryant, Senior Tunnel Engineer, ALIGN JV</i>
9.55am – 10.15am:	Woodsmith Mine Project – Optimised ground support design of the Mineral Transport System (MTS) caverns for the mining of a low carbon, high value crop nutrition solution <i>Sebastian Kumpfmüller, Dr. Sauer &amp; Partners, Senior Associate &amp; Senior Tunnel Engineer</i>
10.15am - 10.35am:	Tunnelling the Scandinavian way - the casting of concrete 'mega columns' underground in central Gothenburg <i>Tom Crabtree, Senior Site Manager and Oliver Gerstmann, Production Manager, Wayss &amp; Freytag Ingenieurbau AG</i>
10.35am – 10.45am:	Q&A
10.45am – 11.30am:	Coffee Break

## Day 2 – Session 2

11.30am – 11.50am:	Tunnelling 100m under a metropolis <i>LEE Ka Leung (Project Director / FICE FHKIE IStructE LLB MSc BEng )</i>
11.50am – 12.10pm:	What bimers whisper to tunnellers: The extension of the Stockholm Metro Blue Line <i>Alejandro Cantarero. Head of Section in the Geotechnical Department of TYPSA in Madrid.</i>
12.10pm – 12.30pm:	Capping off the top of the shaft for Tideway at Carnworth Road <i>Alexi Bond, previously Project Director – Energy &amp; Water, Morgan Sindall Infrastructure; and Andy Hodgkinson, Director, Hewson Consulting</i>
12.30pm – 12.50pm:	Advanced InSAR on urban tunnelling: managing risks and enhancing operational efficiency <i>Blanca Payas Puigarnau, Managing Director SIXENSE</i>
12.50pm – 1pm:	Q&A
1pm – 2.15pm:	LUNCH

## Day 2 – Session 3: Small Bore (CHAIR Rod Young)

2.15pm – 2.35pm:	Multiple under-track culvert installation - Jim Kirby Director at Active Tunnelling Ltd
2.35pm – 2.55pm:	Single pass pipe-jacked pressure pipes - Bryn Phillips, Ward and Burke Construction
2.55pm – 3.10pm:	Newly revised design guide for CDM duty holders - Sean Martin – Pipe Jacking Association Chair
3.10pm – 3.20pm	Q&A

## Day 2 – Session 4: Inclusivity in our industry

3:25pm – 3:35pm	Being a female leader in tunnelling today <i>Sharon Strugnell, Group Leader – Underground Structures Team, WSP UK Ltd</i>
3.35pm – 4:20pm:	Panel discussion on inclusivity in the tunnelling industry <i>Featuring: Sharon Strugnell (WSP), Sarah Langley (SIKA), Tasnia Khanom (SCS Railways), and Anna Lau (HS2 – C1) - Chaired by Daniel Garbutt.</i>
4:20pm - 4:30pm	Conference Chair, Daniel Garbutt's closing words

## EXHIBITOR LIST

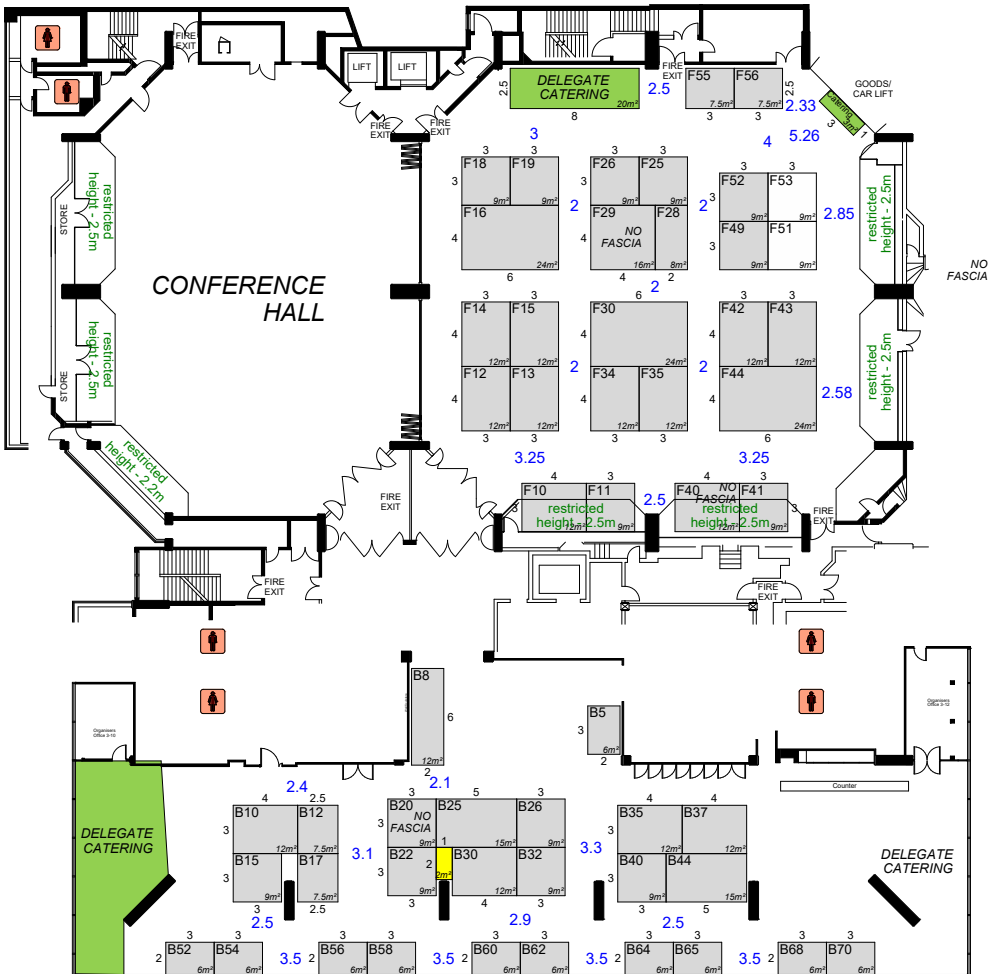
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Bekaert	F15	Pipe Jacking Association (PJA)	F44
British Tunnelling Society	F35	Protan	F34
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Kern Tunneltechnik	B32	VIP-Polymers	B68
Mammoet UK	F41	Waste & Environmental Technologies	F49
Mapei UTT	F19	WJ Groundwater	B64
Master Builders Solutions UK	B25	XL Industries	B58





WHITTLE ROOM

FLEMING ROOM



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The Aestuver® brand has been around since 1989 and has developed into one of the leading German brands in the field of glass fibre lightweight concrete technology and since 2018 part of the James Hardie Group. Today, Aestuver® fire protection panels stand for high-quality fire protection solutions in the field of electrical installations and underground traffic systems and tunnels.

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Associated Polymer Services Ltd has a number of separate divisions providing a full range of products and services to a wide range of industries, however the main focus of the business remains on Tunnelling, Geotechnical and underground construction all being covered by a QMS approved to BS9001:2015.

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Queen Street, Banagher, Co Offaly, R42 WA21, Republic of Ireland

**Contact: Caroline Cavanagh | Telephone: 0161 3000513****Email: [carolinec@bancrete.com](mailto:carolinec@bancrete.com) | Website: [www.banagherprecast.com](http://www.banagherprecast.com)**

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**Contact: Atle Gjertsen | Telephone: +32 56 76 6100****Email: [Atle.Gjertsen@bekaert.com](mailto:Atle.Gjertsen@bekaert.com)****Website: [www.construction.bekaert.com/gl/en](http://www.construction.bekaert.com/gl/en)**

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**Telephone: +44 (0) 20 7665 2238****Email: [bts@ice.org.uk](mailto:bts@ice.org.uk)****Website: [www.britishtunnelling.org.uk](http://www.britishtunnelling.org.uk)**

The BTS is an Associated Society of the Institution of Civil Engineers (ICE). With a current membership of 855 individual members and 74 corporate members, it is one of the most vibrant gatherings of professional tunnellers in the world. Formed in 1971 to provide a forum for meetings and discussion on tunnel-related matters, the BTS also publishes industry guidelines and codes of practice; conducts training courses to advance the education of tunnelling professionals; actively supports the recruitment of young people to the industry; acknowledges excellence in tunnelling; sponsors and supports industry conferences; and advises Government and the general public on the tunnelling industry.

**BROKK UK LTD****STAND NO. F43**

Unit 2A, Moss End Business Village, Crooklands, Milnthorpe, Cumbria LA7 7NU, UK

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Cemex is a global construction materials company that is building a better future through more sustainable products and solutions. Cemex is committed to achieving carbon neutrality through innovation and industry-leading research and development. Cemex offers cement, ready-mix concrete, mortar, screeds and aggregates. Including a full range of tunnelling solutions for the infrastructure sector, and are focused on providing a superior customer experience, enabled by digital technologies.

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CIFA is a leading manufacturer of concrete machinery and equipment. A member of the multinational Zoomlion Group, CIFA is present in many global markets. Since 1928, our mission at CIFA has been to strive for innovation and then make it a reality in our machines and in the way we carry out our business. Our products are dedicated to the constant search for solutions that anticipate the needs of our customers.

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Unit 4, Waterbrook Estate, Alton, Hampshire, GU34 2UD, UK

**Contact: Adam Hicks****Telephone: 0333 300 3470****Email: [adam.hicks@cqegroup.com](mailto:adam.hicks@cqegroup.com)****Website: [www.cqegroup.com/uk/](http://www.cqegroup.com/uk/)**

Conquip is constantly pushing the boundaries of productivity, safety, innovation and sustainability. Founded in the UK in 2003, Conquip has grown to become a large, global brand, recognised for innovative engineering and manufacturing, excellent service and as a solutions provider. Built on the trust that its customers have in Conquip, its mission is to provide an extraordinary service to the construction and infrastructure industries. This stems from design, manufacturing, equipment sales and rental, to delivery, service and after sales support to ensure customers meet industry standards and maximise operational output. Conquip operates in the UK, USA, New Zealand & Australia.

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Willstaetterstrasse 15, Duesseldorf, 40549, Germany

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**Email: [london@dr-sauer.com](mailto:london@dr-sauer.com)**

**Website: [www.dr-sauer.com](http://www.dr-sauer.com)**

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**STAND NO. B26****E-BERK TUNNEL AND GROUND TECHNOLOGIES**

Alcı Osb Mah. 2020 Cad, No: 5 Sincan, Ankara, Turkey

**Contacts: Hazel Yazar / Sila Birgoren | Telephone: +90 533 053 15 70**

**Email: [salesteam@e-berk.com](mailto:salesteam@e-berk.com) | Website: [www.e-berk.com/tr](http://www.e-berk.com/tr)**

E-BERK Tunnel and Ground Technologies has been operating as a spare parts provider of Tunnel Boring Machines (TBM) since 2002, and as a manufacturer of Tunnel Boring and Micro Tunneling machines since 2017. For the production of spare parts and accessories needed by mechanized tunneling systems such as the production of all types of Tunnel Boring Machines and Micro Tunneling Machines suitable for various geological conditions, revision of second-hand Tunnel Boring Machines and Micro Tunneling Machines, design and production of cutter heads in desired diameters and dimensions carries out all activities.

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**Contact: Craig Hannam**

**Telephone: +44 (0) 7771 834 592**

**Email: [craig.hannam@fosroc.com](mailto:craig.hannam@fosroc.com)**

**Website: [www.fosroc.com](http://www.fosroc.com)**

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**Email: kzeidler@gzconsultants.com**

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**Name: Chris Steer | Telephone: +44 (0)1256 541616**

**Website: www.geoptic.co.uk**

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**Email:** [info@hytorc.co.uk](mailto:info@hytorc.co.uk) | **Website:** [www.hytorc.com/uk](http://www.hytorc.com/uk)

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**Contact:** Crystal Moore & Jo Sheward | **Telephone:** +44 7355031482 / +44 7938738456

**Email:** [crystal.moore@iuk.ktn-uk.org](mailto:crystal.moore@iuk.ktn-uk.org) | **Website:** [www.i3p.org.uk](http://www.i3p.org.uk)

i3P is a membership organisation which exists to support collaborative innovation to flourish in the infrastructure sector. We bring together major infrastructure clients and their supply chains in partnership to accelerate the development and adoption of innovations, creating market shifts. Our current focus topics are carbon, productivity, safety and asset maintenance and monitoring.

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**Email:** [enquiries@j3mtraining.co.uk](mailto:enquiries@j3mtraining.co.uk) | **Website:** [www.j3mtraining.co.uk](http://www.j3mtraining.co.uk)

J3M Construction Training Limited is a training provider delivering Health and Safety training to the UK Tunnel and Construction Industry. With over 35 years of industry experience, we are committed to delivering the highest levels of construction plant training, assessment and qualifications using our team of occupationally competent tutors, trainers and assessors.

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**Contact:** Daniele Cappelletti | **Email:** [info@kern-tunneltechnik.com](mailto:info@kern-tunneltechnik.com)

**Website:** [www.kern-tunneltechnik.com](http://www.kern-tunneltechnik.com)

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**Telephone: +44 (0) 345 0705201 | Email: [graeme.monteith@pipejacking.org](mailto:graeme.monteith@pipejacking.org)****Website: [www.pipejacking.org/](http://www.pipejacking.org/)**

The PJA, established over 40 years, represents the UK pipe jacking and microtunnelling industry. The Association is either represented on, or works closely with, the British Standards Institution and CEN; BTS; CITB the Departments of Civil Engineering at leading universities; TRL; WRC and the HSE. PJA also publishes FOC guides and research it has funded.

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**Contact: Sergio de la Huz Pérez | Telephone: +34 666 575 111**

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**Email: [aurelien.guimard@alimakgroup.com](mailto:aurelien.guimard@alimakgroup.com)**

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**TUNNEL ENGINEERING SERVICES (UK) LTD****STAND NO. B10**

Company logo

Unit 601 Phoenix Park Industrial Estate, Phoenix Close, Heywood, Lancashire OL10 2JG, UK

**Contact: Alan Worsley****Telephone: +44 (0)161 626 6005****Email: [info@tesuk.co.uk](mailto:info@tesuk.co.uk)****Website: [www.tesuk.co.uk](http://www.tesuk.co.uk)**

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TunnelSkills is the National Specialist Training Forum for the Tunnelling Industry. Formed in 2008, TunnelSkills' primary objective is to benchmark safety and competence for all in the underground environment by promoting competence via on-site training and assessment leading to recognised accredited qualifications. We will be showcasing our latest achievement in the creation of a new qualification and training standard for 'Overground Spoil Removal Conveyor Operations' - an area that our members agreed was needed to support the industry.

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**Contact: Tom Rendall | Telephone: +44 (0)20 8950 7256**  
**Email: tomrendall@wjgl.com | Website: www.wjgl.com**

WJ is a specialist contractor with 40+ years' experience providing dewatering, depressurisation, well drilling, water management, instrumentation and monitoring services to a wide range of customers. WJ have been involved in some of the largest and technically challenging tunnelling projects in the UK (Crossrail, Tideway and HS2) and overseas (Eglinton LRT, Canada and Bujeon to Masan HS tunnel, S. Korea)"

**XL INDUSTRIES****STAND NO. B58**

11 Old Jewry 8th floor, London, EC2R 8DU, UK

**Contact: Guillaume DÉCIEUX | Telephone: +44 7983 248 953**  
**Email: gdecieux@xl-industries.co.uk | Website: www.xl-industries.fr**

XL Industries offers vertical access solutions for the tunnelling industry. After France and Australia, XL introduces the XE5 top-down hoist in the U.K. It can be suspended and operational from day 1 as excavation works begin. It provides continuous access to the bottom of the shaft as it is being sunk. XL Industries is the only French manufacturer of construction hoists and vertical access bespoke equipment.



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› [herrenknecht.com/hs2](http://herrenknecht.com/hs2)

Client:

› HS2 Ltd

Contractors:

› Align Joint Venture

› BBV Joint Venture

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Tunnelling Systems