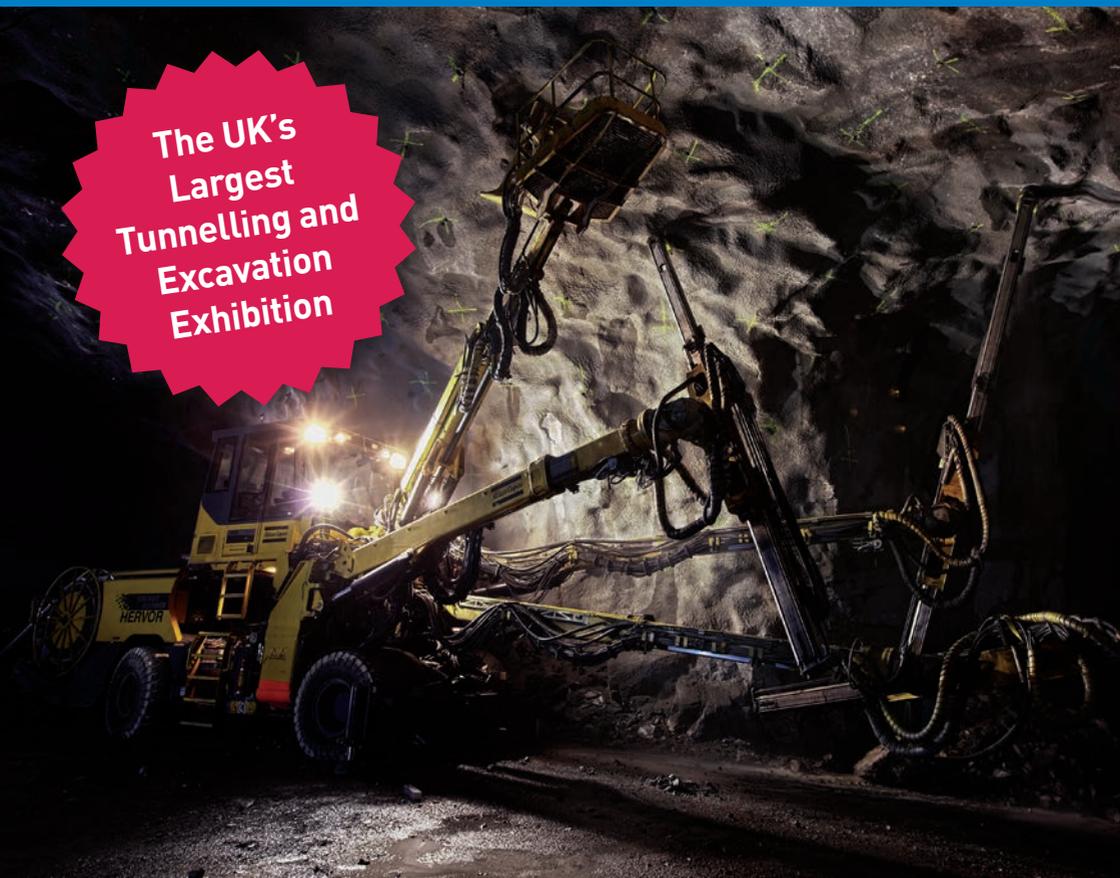




October 9th - 10th 2018
QEII Conference Centre,
Broad Sanctuary Westminster,
London SW1P 3EE

Conference and Exhibition Guide

The UK's
Largest
Tunnelling and
Excavation
Exhibition



Event Partners



**GZ**

Gall Zeidler Consultants

Geotechnics | Tunnel Design | Engineering



Gall Zeidler Consultants is a worldwide leader in tunnel design, geotechnics, engineering, project management and site support services, and we can look back at a history of over 170 miles of successfully completed international tunnelling projects.

Design by Gall Zeidler Consultants does not stop at the drawing board. Each design is tailored to suit the Clients' requirements and we offer a bespoke range of tunnel-related services, and solutions.

Our construction support/management services provide a seamless link between design and construction.

GZ are specialists in SCL (NATM / SEM) and TBM tunnelling, and have delivered design and construction solutions to a number of the world's most challenging and innovative tunnelling projects.

For more information visit www.gzconsultants.com or visit stand F58.

Elevated Thinking, Underground



On behalf of our Tunnelling Society, I am very pleased to be welcoming you to the British Tunnelling Society's, BTS Conference and Exhibition 2018.

The future of tunnelling in the UK is secure – we see many ongoing projects together with a number of very significant projects in planning. Clearly tunnelling is a growth sector within civil engineering construction and our exhibition and conference is the place to be, and to be seen.

Gus Klados from Kuala Lumpur will be opening the conference by providing his views of risk and from there the subject will move seamlessly on to Arnold Dix's view on managing catastrophic failures. So plenty to listen to even in the first hour of the conference with a broad range thereafter. You will find that we have selected a wide range of subjects for the conference that will appeal to all parties and provide an informative two days allowing delegates to leave with new ideas.

The exhibition halls promise to give visitors the opportunity to meet with a broad range of companies and disciplines. This always proves to be an excellent opportunity to discover new technologies whilst also allowing for networking and the generation of new and stronger ties across the industry.

Our 'Panel Discussion' sessions are always popular and not to be missed. This year the subjects will be centre on the needs and understanding of the client, and on technical excellence. I know the chosen subjects will promote interesting debate and discussion.

Once again we will be presenting the David Wallis lecture by the Chair of the BTS in memory of David's time as Chair of our Society. It is an honour to be presenting this lecture and I hope that it will provoke some thought.

I would like to take this opportunity to extend my thanks to all of the speakers and exhibitors. My thanks also extend to the BTS organising committee for BTS 2018 along with our conference and exhibition organisers Tunnelling Journal. I want to particularly thank the Past BTS Chair, Mark Leggett, who has 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.

Ivor Thomas - Chair



Thank you to our BTS 2018 Sponsors

EVENT PARTNERS



highways
england

EVENT SPONSORS

Dräger



**Geotechnical
Observations**
Trusted Monitoring Solutions



GOLDER

Admission to the exhibition is free to bona fide trade visitors only.

Strictly No Admission To Under 16's

Exhibition Open times:

Tuesday 9th October
9.00 – 18.00

Wednesday 10th October
9.00 – 16.00

The Exhibition team is:

Tris Thomas: Event Director

Gary Tween: Event Director

Daniel Lee-Billinghurst: Sales Director

Mark Piper: Registration Director

Amanda Foley: Event Manager

Kristina Smith: Event Manager

Organisers Office:

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

Prohibitions

The Organisers of the BTS 2018 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, copies 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.

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.



BTS 2018 Conference and Exhibition is organised by Tunnelling Journal on behalf of the British Tunnelling Society

TGS Media Ltd.

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



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.

The BTS 2018 drinks reception will take place after the BTS evening meeting on Tuesday 9th October from approximately 7.30pm 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.



DESIGN, MANUFACTURE AND HIRE OF TUNNELLING EQUIPMENT FOR THE CONSTRUCTION INDUSTRY

- Full Face Tunnel Boring Machines
- Mechanised Tunnelling Machines
- Auger Boring Machines
- Guided Auger Boring Equipment
- Microtunnelling
- Segment Erector Systems
- Shaft Jacking Equipment
- Power Packs
- Gantry Cranes and Mechanical Handling Equipment



Total Tunnelling Technology



Tunnel Engineering Services (UK) Ltd.
Unit 601 Phoenix Park Industrial Estate,
Phoenix Close, Heywood OL10 2JG.
T : +44 (0)161 626 6005
E : info@tesuk.co.uk
W : www.tesuk.co.uk



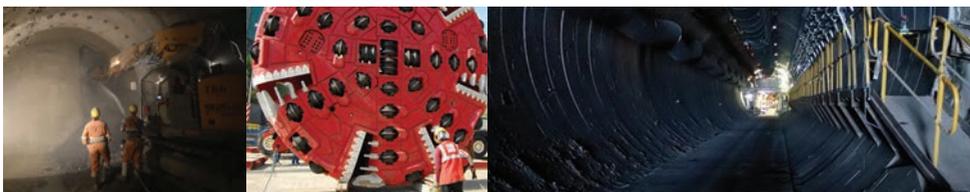
The British Tunnelling Society
Conference and Exhibition 2018
QIEL Conference Centre, Westminster, London
October 9th – 10th, 2018
Stand F15

Conference Programme

Day 1 - Tuesday 9th October	
9am – 9.05am	Welcome
9.05am – 9.45am	Gus Klados, Kuala Lumpur MRT Tunnelling Director: 45 years of managing tunnelling risk
9.45am – 10.20am	Professor Arnold Dix – ITA EXCO Rep: Strategies to manage catastrophic failures in construction and operation as nations scramble to stretch the boundaries of underground solutions
10.20am – 10.45am	Sue Kershaw – KPMG Project Representative appointed to act as the Secretary of State’s Representative in HS2
10.45am – 11am	Q&A
11am – 11.30am	Coffee
11.30am – 11.50am	Miles Ashley: Project 13, Transaction to Enterprise, A New Approach To Infrastructure Delivery
11.50am – 12.10pm	Cedric Wong and Patrick Bravery: ITIG Code of Practice for Risk Management of Tunnel Works – Initial findings of the review and next steps
12.10pm – 12.30pm	Dave Hindle, Innovative Support Systems Ltd.
12.30pm – 12.50pm	Martin Smith and James Maclure: The FIDIC “Emerald Book” – a new contractual standard for the tunnelling industry
12.50pm – 1pm	Q&A
1pm – 2.15pm	Lunch Networking and Exhibition
2.15pm – 3.15pm	International Client Panel Discussion hosted by – Bill Grose How well do tunnelling contractors, designers and suppliers understand their clients and deliver what they need? Do the contracts between them help or hinder? Does the tunnelling industry and its clientele have a shared vision of the future? How differently are projects run in the UK to other countries and are there lessons to be learned?
3.15pm – 3.45pm	Coffee
3.45pm – 4.05pm	Thibaut Lockhart and Greg Berger, Bouygues: Doha’s IDRIS - New technology on the Qatar sewage tunnel
4.05pm – 4.25pm	Andy Thompson, Mott MacDonald: Undersea transport links – a bored tunnel in a major shipping lane
4.25pm – 4.45pm	Andreas Raedle, Arup: Tunnelling in South East Asia Region
4.45pm – 5.05pm	Charles Allen, OTB Concrete: Biogenic corrosion in sewer tunnels – new approaches and solutions in Singapore
5.05pm – 5.15pm	Q&A
6.00pm – 7.30pm	BTS Evening Meeting – The Brenner Base Tunnel: Construction and Risk Management Raffaele Zurlo, the Italian CEO of BBT SE
7.30pm	Drinks Reception for delegates, exhibitors and pre-registered visitors

Day 2 - Wednesday 10th October

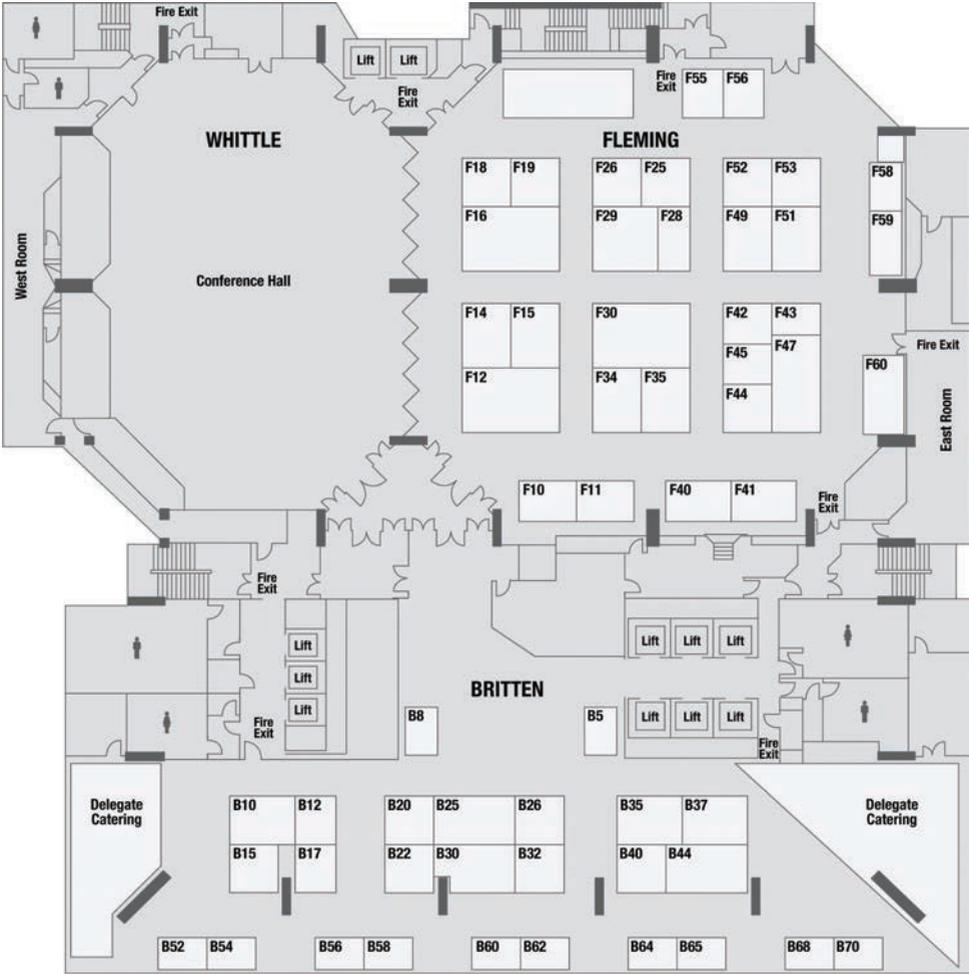
9.05am – 9.10am	Welcome
9.10am – 9.40am	Ivor Thomas, BTS Chair – The David Wallis Lecture
9.40am – 10.10am	Professor Robert Mair, Cambridge University, President, Institution of Civil Engineer - Developments in Smart Infrastructure and Construction for Tunnelling
10.10am – 10.30am	Kate Hall – HS2 Design Director
10.30am – 10.50am	Derek Parody, A303 Amesbury to Berwick Down Project Director, Highways England – More than a tunnel: Maximising the benefits of a major infrastructure project in a World Heritage Site
10.50am – 11am	Q&A
11am – 11.30am	Coffee
11.30am – 12pm	Dr Benoit Jones - A 20-year history of stress and strain in a shotcrete primary lining
12pm – 12.20pm	Rosa Diez, Project Director, Mott MacDonald - Testing sprayed waterproofing membranes for composite action
12.20pm – 12.40pm	John Cumins, Dragados, and Cate Anthony, Dr Sauer & Partners: Delivering The Bank Station Capacity Upgrade Project
12.40pm – 1pm	David Manning, Highways England, The Lower Thames Crossing: A new tunnel connecting Kent, Thurrock & Essex
1pm – 1.15pm	Q&A
1.15pm – 2.30pm	Lunch
2.30pm – 3.30pm	Technical Excellence Panel Discussion Judging the quality of civil engineers and their work has been one of the most difficult tasks facing both the employers of individuals and the clients of organisations. Aesthetics are notoriously subjective, and technical quality, particularly with respect to innovation, maintainability and durability, is hard to differentiate between the excellent and the ordinary. How do we make those judgements? What evidence are we looking for? How frequently, looking back, are we happy that we made the right decision? What are our professional institutions doing to nurture and value technical skills, and is it enough? What do we need to do in the future, and why?
3.30pm	Conference Close and Exhibition



Exhibitor List

Company name		Company name	
Algaher S.A.	B60	Macrete Ireland Ltd	F55
Ampcontrol	B62	Mapei UTT	F52
ArcelorMittal	F60	Minova	B54
Associated Polymers Services Ltd	F30	MST Global	F44
Barchip EMEA Ltd	F26	Normet UK	F16
BASF plc. Construction Chemicals	F12	Optimas Solutions	F41
Bekaert Maccaferri Underground Solutions	B32	Pacadar	F43
Brenner Basistunnel BBT SE	F53	PBE Rutherford	F49
British Tunnelling Society	F45	Pinssar	F14
CEMEX UK Operations Ltd	F29	QME Ltd	B30
Dr Sauer & Partners Limited	B20	Reliable Contractors Ltd	F35
Draeger UK Limited	B15	Renesco Group	B52
Elkem Silicon Materials	F42	Renolit Iberica S.A.	F28
EPIROC UK & Ireland	F12	Royal IHC	B5
Fibre Technology Ltd	F10	SCCS	F19
Fosroc Limited	F40	Shay Murtagh Precast	B35
FP McCann Limited	B70	Sika Limited	F18
Gall Zeidler Consultants	F58	SOPREMA CIVILROCK	F34
GCP Applied Technologies	F47	Techcon Specialist Products Ltd	B64
Geotechnical Observations Limited	B8	Technical Tunnelling Components (TTC)	B44
Golder Associates (UK) Limited	F25	Tempo-PCE	B65
Herrenknecht AG	B37	The Robbins Company	B26
Innovative Support Systems Ltd	B17	Tracey Concret	B10
ISONOMIC	F59	Troxel Limited	B25
KERN Tunneltechnik Ltd	B68	Tunnel Engineering Services (UK) Ltd	F15
Komatsu Mining Corp	F51	Victaulic	F30
KrampeHarex GmbH & Co. KG	B12	VIP Polymers Ltd	B22
London Bridge Associates	F11	VVB Engineering Limited	B58
Major Diamond Supplies Ltd	B56		





Advancing

Tunnel Solutions

SHOTCRETE

- Full admixture and reinforcement system
- Optimal installed cost
- Reduced excavation downtime
- Minimum rebound waste

WATERPROOFING

- Pre-applied & spray-applied waterproofing systems
- Advanced Bond Technology™ tanking system
- Zero water migration
- Keeps project on time
- Long track record

INJECTIONS

- Fast-acting, easy to install and durable
- Experienced field team
- Network of certified distributors and installers

FIRE PROTECTION

- Spray-applied
- Exceptional bond
- Fast and easy installation

▶ **ADVANCED SYSTEM. EFFICIENT INSTALLATION. RELIABLE SUPPORT.**

Algaher SA**Stand No. B60**

Crt. CORELLA s/n , La Rioja, 26540, Spain

Contact: Santiago VILLOSLADA | Telephone: +34 606 87 82 40
Email: s.villoslada@grupoalgaher.com | Website: www.algaher.com/en/

We are a Spanish company that designs and produces EPDM gaskets and profiles since 1987. We work with different raw materials depending on the Standards of application. We are specialized in designing and producing TUNNEL SEGMENT GASKETS. We are capable of manufacturing glued, anchored and hydrophilic combined gaskets. All our productions are made according to STUVA Recommendations and EN 681-1:1996.

Ampcontrol**Stand No. B62**

21 Old Punt Road, Tomago, NSW 2322, Australia

Contact: Emily Gavranich | Telephone: +61 2 4961 9000
Email: emily.gavranich@ampcontrolgroup.com | Website: www.ampcontrolgroup.com

Ampcontrol delivers integrated electrical, electronic and control solutions to improve safety and efficiency in mining, renewable, infrastructure and industrial applications. What sets us apart is our ability to engineer unique solutions that deliver on both performance and reliability. To achieve this, we work in partnership with our customers, lending our electrical engineering expertise to their operational challenges. From the most complex electrical infrastructure to the most hazardous industrial environments, we engineer solutions which focus on whole of life optimisation.

ArcelorMittal**Stand No. F60**

Vulcan Works, Birley Vale Close, Sheffield, UK

Contact: David Monks | Telephone: +44 (0) 7710 561705
Email: david.monks@arcelormittal.com | Website: www.arcelormittal.com/steelfibres

ArcelorMittal Fibres, part of the ArcelorMittal Group, the largest steel company in the world, is a global leader in providing reinforced concrete solutions. From our three state-of-the-art production facilities in the UK, Luxembourg and Poland, we develop, manufacture and supply premium quality steel fibres to construction markets around the world. We support you to ensure the success of your project from start to finish.

Associated Polymer Service Ltd**Stand No. F30**

Don Valley Court, Oakes Green, Sheffield, S9 3WR, United Kingdom

Contact: Neil Wathey - Charles Brodie | Telephone: +44 114 244 7916
Email: info@aps.uk.net | Website: www.associatedpolymerservices.com

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.

Barchip EMEA Ltd

Stand No. F26

Citywest Business Centre, 3013 Lake Drive, Citywest, Dublin, D24, Republic of Ireland

Contact: Denis Crehan | Telephone: +353 (0) 87 6916402

Email: dcrehan@barchip.com | Website: www.barchip.com

BarChip are leading Macro Synthetic Fibre solution experts, providing market leading high performance fibres, fully supported design solutions, full technical support, application support and quality control solutions to the tunnelling industry globally. Applications include sprayed concrete linings, precast segments, invert segments, precast elements, track slab, civil and mining applications.

BASF plc. Construction Chemicals

Stand No. F12

PO Box 4, Earl Road, Cheadle Hulme, Cheadle, Cheshire, SK8 6QG, United Kingdom

Contact: Richard Foord | Telephone: 07966 123397

Email: richard.foord@basf.com | Website: www.master-builders-solutions.basf.co.uk/en-gb

BASF is a world leader in the provision of reliable, customer-oriented solutions focused on the needs of the tunnelling industry. Our outstanding technologies include sprayed concrete performance enhancers; sprayable bonded waterproofing membranes; injection technologies delivering safety, economy and performance to the tunnelling sector and a leading range of chemical technologies that ensures the safe and economical operation of tunnel boring machines.

Bekaert Maccaferri Underground Solutions

Stand No. B32

SkylineE40, Korte Keppestraat 23/02, 9320 Aalst – Erembodegem, Belgium

Contact: John Greenhalgh | Telephone: +44 (0) 7771 834 241

Email: contact@bm-underground.com | Website: www.bm-underground.com

Bekaert Maccaferri Underground Solutions – Reinforcing your Underground We offer Dramix® Steel Fibres for the following applications: Shotcrete initial linings, final linings, shafts, precast segments and cast in-place linings. We also have macro and micro-synthetic fibres: Synmix® & Umix® - for temporary support in mining – and Duomix® M6 Fire - to increase the fire resistance of concrete.

Brenner Basistunnel BBT SE

Stand No. F53

Piazza Stazione 1, 39100 Bolzano, Italy

Contact: Julia Gruber | Telephone: +39 (0) 471 0622 83

Email: Julia.Grubert@bbt-se.com | Website: www.bbt-se.com/en/

BBT SE: A European public limited company for the construction of a railway tunnel between Austria and Italy. At the request of the Republics of Austria and Italy and the European Union, BBT SE is planning and building the Brenner Base Tunnel.

British Tunnelling Society

Stand No. F45

Institution of Civil Engineers, One Great George Street, London SW1P 3AA

Contact: Mark Leggett | Telephone: +44 (0) 20 7665 2229

Website: www.britishtunnelling.org.uk

The BTS is a Specialist Knowledge Society of the Institution of Civil Engineers (ICE). With a current membership of 868 individual members and 83 corporate members, it is one of the most vibrant gatherings of professional tunnellers in the world.

CEMEX UK Operations Ltd

Stand No. F29

CEMEX House, Evreux Way, Rugby, Warwickshire, CV21 2DT, United Kingdom

Contact: James Fairclough | Email: james.fairclough@cemex.com

Website: www.cemex.co.uk

We are a leader in the building materials industry that provides high-quality products and reliable service to both customers and the communities we work in. We aim to serve the needs of our customers and create value for our stakeholders by becoming the most efficient and innovative building materials company. CEMEX is dedicated to Helping Build a Greater Britain and couples financial achievements with a firm commitment to sustainable development.

Dr.Sauer & Partners Limited

Stand No. B20

11 Langley Avenue, Surbiton, Surrey, KT6 6QH, United Kingdom

Contact: Emma Barnes | Telephone: +44 208 339 7090

Email: london@dr-sauer.com | Website: www.dr-sauer.com

Dr. Sauer & Partners provides the full range of design and construction management services for tunnels, shafts and caverns. These services include initial consultation and feasibility studies, final design, supervision and construction management, tunnel inspection and condition surveys, rehabilitation, waterproofing and water control, geotechnical engineering, and mining support services.

Dräger UK Limited

Stand No. B15

Ullswater Close, Blyth Riverside Business Park, Blyth, Northumberland, NE24 4RG, United Kingdom

Contact: Adam Barker | Telephone: +44 (0)1670 352891

Email: marketing.uk@draeger.com | Website: www.draeger.com

Dräger offers comprehensive safety solutions. This includes fire and gas detection, escape and rescue chambers, long term respiratory protection, rescue trains, "Access Monitoring", co-ordination of safety and health protection matters and training for tunnel firefighting.

Elkem Silicon Materials

Stand No. F42

17 Jessops Riverside, Brightside Lane, Sheffield, S9 2RX, United Kingdom

Contact: John Finch | Telephone: 00 44 (0) 7765 232284 | Email: john.finch@elkem.no
Website: www.elkem.com/silicon-materials/high-performance-concrete/tunnels/

Elkem are the world's leading producer and supplier of Microsilica powder and Emsac® 500SE Microsilica slurry. Major projects around the world employ Elkem Microsilica to meet their concrete specification, for all sprayed concrete. Major recent UK works include Lee Tunnel, Crossrail, Hinkley Point and Thames Tideway. Elkem have a solution to all your tunnelling sprayed concrete and critical grouting needs.

Epiroc UK & Ireland Limited

Stand No. F12

Swallowdale Lane, Hemel Hempstead, Hertfordshire, HP2 7EA, United Kingdom

Contact: Colin Farenden | Telephone: +44 (0) 7971 650972
Email: colin.farenden@epiroc.com | Website: www.epiroc.com/en-uk

Epiroc is now a separate independent company from Atlas Copco. All our tunnelling equipment including sprayed concrete machines (Meyco), ventilation, loading and haulage, underground and surface drilling, hydraulic attachment tools, rock drilling tools and geotechnical equipment remain the same high quality but branded as Epiroc. We have an established record supplying bespoke underground solutions to your tunnelling contract needs.

Fibre Technology Ltd

Stand No. F10

Brookhill Road, Pinxton, Nottingham, NG16 6NT, United Kingdom

Contact: Lee Marston | Telephone: +44 (0) 1773 863 100
Email: Lee.Marston@fibretch.com | Website: www.fibretch.com

As pioneers of RST, our Stainless-steel fibres are ideally suited for applications in wet and cold climates, especially when concrete is exposed to salt, chlorides and other harsh substances. Corrosion occurs in concrete due to the porous nature of the material, and this in turn can lead to premature failure. Our fibres have excellent corrosion resistance compared to market alternatives.

Fosroc Limited

Stand No. F40

Drayton Manor Business Park, Coleshill Road, Tamworth, Staffordshire, B78 3XN, United Kingdom

Contact Simon Morris | Telephone: +44 7768 040 134
Email: simon.morris@fosroc.com | Website: www.fosroc.com

Fosroc has over 80 years' global experience in delivering solutions for construction and infrastructure projects. Working closely with architects, structural engineers, contractors and owners we can develop bespoke solutions for tunnelling projects using our range of concrete admixtures, supported by our range of waterproofing, grouting, concrete repairs, injection resins, waterstops, drainage membranes, polypropylene fibres, release agents and surface retarder products.

MAPEGROUT GUNITE FSD



Mapegrout Gunitite FSD is a one component, fast setting, high strength development, ready to use and multipurpose spray mortar. The fibre – reinforced cementitious mortar can be applied using either dry or wet spray technique for repairs, regulating and smoothing underground structures.

Email UTT@mapei.co.uk or visit www.UTT.mapei.com for more information regarding the UTT team and how Mapei's range of products can be used for your underground project.

FP McCann Limited

Stand No. B70

Brascote Lane, Cadeby, Nuneaton, Warwickshire, CV13 0BB, United Kingdom

Contact: Stuart Carson | Telephone: +44 (0)7850 234 136

Email: sales@fpmccann.co.uk | Website: www.fpmccann.co.uk

FP McCann manufactures and supplies a full range of precast Tunnel and Shaft products, including smoothbore shafts from 2.44m - 25m diameter, bespoke cover slabs, jacking pipes from DN450 - DN2400 and caisson rings from DN2100 - DN4000. Our products are BSI accredited to BS EN 9001, comply with the British Tunnelling Society Specification and the Civil Engineering Specification for the Water Industry.

Gall Zeidler Consultants

Stand No. F58

102-104 Park Lane, Croydon, Surrey, CR0 1JB, United Kingdom

Contact: Kurt Zeidler | Telephone: +44 (0)208 686 6887

Email: kzeidler@gzconsultants.com | Website: www.gzconsultants.com

We provide worldwide services in Geotechnical Engineering; Civil Engineering and Tunnel Design. We specialize in the design of complex underground schemes and shafts, ground improvement methods (e.g. ground freezing, grouting) and waterproofing. From planning to construction, each design is tailored to suit the Clients' requirements and we offer a bespoke range of Tunnel related services and solutions. Our construction support / management services provide a seamless link between design and construction.

GCP Applied Technologies

Stand No. F47

580-581 Ipswich Road, Slough, Berkshire, SL1 4EQ, United Kingdom

Contact: Damian Thomas | Telephone: +44 (0) 7808 635 183

Email: damian.thomas@gcpat.com | Website: www.gcpat.com

GCP Applied Technologies is a leading global provider of construction products technologies including TYTRO® ground support and tunnel lining solutions, high performance pre-applied PREPRUFE® PLUS and post-applied INTEGRITANK® waterproofing systems, DE NEEF® leak sealing injections, VERIFI® in-transit concrete management system, pre-cast concrete solutions and fire protection. Visit booth F47 to learn about our proven solutions for large scale and complex mined, cut & cover and bored tunnelling projects.

Geotechnical Observations Limited

Stand No. B8

The Peter Vaughan Building, 9 Avro Way Brooklands, Weybridge, Surrey, KT13 0YF, United Kingdom

Contact: Dr Andrew Ridley | Telephone: 01932 352040

Email: admin@geo-observations.com | Website: www.geo-observations.com

Geotechnical Observations provide structural and geotechnical monitoring for civil engineering projects. Our services include advice on what type of instrumentation will work best, procurement of the best instruments, installation of the instruments, reading of the instruments (manually and automatically), reporting and help in understanding the results. Geotechnical Observations is the I&M provider for the Northern Line Extension project.

Golder Associates (UK) Limited

Stand No. F25

1 South Parade, Doncaster, South Yorkshire, DN1 2DY, United Kingdom

Contact: John Elliott, Director – Underground Infrastructure Division

Telephone: +44 0 1302 329911 | Email: jelliott@golder.com | Website: www.golder.com

Golder is a leading, specialised, global employee-owned engineering and consulting firm with over a half century of successful service to its clients. Golder's 6,500 professionals offer unique skills to address the ever-evolving challenges that earth, environment and energy present to clients and their projects across the world's major industries.

Herrenknecht AG

Stand No. B37

Schlehenweg 2, 77963 Schwanau-Allmannsweier, Germany

Telephone: +49 7824 302 0 | Email: pr@herrenknecht.de

Website: www.herrenknecht.com

Herrenknecht is a technology and market leader in the area of mechanized tunnelling systems. As the only company worldwide, Herrenknecht delivers cuttingedge tunnel boring machines for all ground conditions and in all diameters – ranging from 0.10 to 19 meters. The Herrenknecht product range includes tailor-made machines for transport tunnels (Traffic Tunnelling) and supply and disposal tunnels (Utility Tunnelling).

Innovative Support Systems Ltd

Stand No. B17

10-11 Fountain Parade, Mapplewell, Barnsley, S75 6FW, United Kingdom

Contact: Phil Richardson | Telephone: +44 (0) 1226 381155

Email: info@iss-eng.com | Website: www.iss-eng.com

Innovative Support Systems Ltd are a UK based manufacturer and supplier of environmentally friendly low carbon embankment, ground, shaft, bridge, viaduct, sea defence and tunnel support systems that allow the use of recycled material.

ISONOMIC

Stand No. F59

Eastgarden, 1311, 83-85 Spring Street, Bondi Junction, Sydney, NSW, 2022, Australia

Contact: Emma Parker | Telephone: +61 411 475 444

Email: emma@isonomic.org | Website: www.isonomic.org

Isonomic develops state of the art mixed reality applications for training and development. We are passionate about bringing the latest technology innovations to our customers. We have a background in learning & development, psychology, business transformation, visual effects, film & tv and gaming industry. Our vision is to apply concepts of 3D objects and animation to the business world to improve processes, user experience (safety/onboarding/upskilling), product development and overall productivity.

Kern Tunneltechnik LTD

Stand No. B68

City Point, 1 Ropemaker Street, London, EC2Y 9HT, United Kingdom

Contact: Annalisa Kern | Telephone: 0044 (0) 207 153 1055

Email: a.kern@kern-tunneltechnik.com | Website: www.kern-tunneltechnik.com

Kern Tunneltechnik is an international company providing high-tech solutions for the Tunnelling. With a team composed of specialists with proven experience and with continuous research and development, the company has been able to revolutionize the market for Secondary Lining Formworks and Tunnelling Machines. In the past 5 years Kern Tunneltechnik developed innovative Engineering solutions for demanding projects in UK.

Komatsu Mining Corp

Stand No. F51

West Quay Road, Sunderland, Tyne & Wear, SR5 2TD, United Kingdom

Contact: Rebecca Crossley | Telephone: +44 (0) 7860704801

Email: rebecca.crossley@mining.komatsu | Website: www.mining.komatsu

Komatsu Mining Corp is a leading supplier of tunneling services and equipment, including crushing and conveying systems. Maximise operational efficiency with Joy conveyor systems designed to move materials over long distances while negotiating horizontal and vertical curves. The Joy high angle conveyor (HAC) system is a proven method for conveying materials 90° vertically from tunneling operations to the surface.

KrampeHarex GmbH & Co. KG

Stand No. B12

Pferdekamp 6-8, Hamm, 59075, Germany

Contact: Wilhelm Nell | Telephone: +49 173 5241137

Email: Wilhelm.nell@krampeharex.com | Website: www.krampeharex.com/en/

KrampeHarex – World's largest private owned fibre producer. Consistent specialisation, continual development, service that is far above average, efficient quality management, and economic sustainability – we have the whole package, and it has enabled us to grow as a healthy company over the years. Today we are regarded as a renowned technological leader and clients from over 40 nations and a wide variety of industrial fields, from structural, underground, and civil engineering, depend on the ever growing “know-why” of KrampeHarex®. They know that our specialisation in the industry makes it possible for us to offer you the best solution. And more than that: Our competence, services, and quality promise are based on lived values rather than empty words.

London Bridge Associates

Stand No. F11

Cranhurst Lodge, 37-39 Surbiton Hill Road, Surbiton, Surrey, KT6 4TS, United Kingdom

Contact: Ken Spiby | Telephone: +44 (0) 208 399 8614

Email: welcome@lba.london | Website: www.lba.london

London Bridge Associates (LBA) have used their substantial experience of tunnelling and underground works to develop and support TIM (Tunnelling Information Management). This web-based system concentrates on providing the real-time data that the management team need to see to make informed decisions, and to drive continuous improvement in safety, quality, and programme, to reduce risk and cost, and to facilitate handover, improving record keeping and supporting collaboration.



normet



EQUIPMENT



SERVICE



CONSTRUCTION
CHEMICALS



ROCK
REINFORCEMENT



DISCOVER A DEPTH OF EXPERIENCE

WHERE EXPERIENCE MEETS INNOVATION

We've been around long enough to know that success in this business means learning to anticipate the unexpected. Sometimes you encounter a challenge with no proven solution. It's in these moments that Normet truly shines. That's because our teams are built around some of the most passionate problem solvers and innovators on the planet. Our skilled technical experts support our clients through every challenge, large or small, so that projects stay on budget, on schedule, and on track.

NORMET.COM



Mc
fpmccann

PRECAST TUNNEL & SHAFT SOLUTIONS

FP McCann offers a complete range of Tunnel and Shaft solutions including our Smoothbore Shafts from 2.44m - 25m diameter, bespoke cover slabs made to specification, full range of Jacking Pipes from DN450 - DN2400 and Caisson Rings from DN2100 - DN4000. All FP McCann products are Design Chemical Class 4 (DC4) compliant.

01455 290780 | SALES@FPMCCANN.CO.UK | FPMCCANN.CO.UK/TUNNELS-SHAFTS

Macrete Ireland Ltd

Stand No. B55

50 Creagh Road, Toomebridge, County Antrim, BT41 3SE, Northern Ireland

Contact: Iain Hogg | Telephone: 028 796 50471

Email: iain.hogg@macrete.com | Website: www.macrete.com

Macrete Ireland Ltd is one of the UK's foremost precision precast concrete manufacturers. From our design and manufacturing facility in Northern Ireland the company supplies innovative bespoke products and structures to the construction industry's main contractors throughout Britain and Ireland.

Major Diamond Supplies Ltd

Stand No. B56

Unit 23, Rothersthorpe Crescent, Northampton, Northamptonshire, NN4 8JD, United Kingdom

Contact: Shayne Major | Telephone: +44 (0)1604 767600

Email: info@majordiamondsupplies.co.uk | Website: www.majordiamondsupplies.co.uk

MDS supply a precision sprayed concrete beam & core cutting service Manufacture, Distribute, Service & Repair & Hire: Diamond coring trailers, drilling, sawing and grinding tools & machinery, hydraulic power units and tools, crunchers and bursters, diamond chain and bar, blades, & core bits and provide operator and product training. FORS & HIRE SAFE approved, all operators with CSCS cards.

Mapei UTT

Stand No. F52

Mapei House, Steel Park Road, Halesowen, West Midlands, B62 8HD, United Kingdom

Contact Name: Steve Price | Telephone: 0121 508 6970

Email: info@mapei.co.uk | Website: www.utt.mapei.com

Mapei created the "Underground Technology Team" as underground constructions have their own unique character and complexity, from issues inherent in design, to the extraordinary working conditions. Our specialist technicians are capable of facing up to even the most unpredictable situations, to guarantee that work continues quickly and accurately, working tirelessly to provide the best outcome for clients.

Minova

Stand No. B54

Unit 19, Redbrook Business Park, Wilthorpe Road, Barnsley, S75 1JN, United Kingdom

Contact Name: Robert Fisher | Telephone: +44 7711 594 583

Email: robert.fisher@minovaglobal.com | Website: www.minovaglobal.eu

Minova specialises in anchoring, grouting, injection resins and rock bolting for ground stabilisation, micropiling, rock fall protection, slope stabilisation, and water control. Minova has high performance solutions that are safe, time efficient, and create sustainable results. We supply to infrastructure projects including rail, roads, bridges, dams, and general construction.

MST Global**Stand No. F44**

Stockport BIC, Broadstone Road, Greater Manchester, SK5 7DL

Contact: Keith Bloomer | Telephone: +44 (0)7771 924761**Email: k.bloomer@mstglobal.com | Website: www.mstglobal.com**

MST Global specialise in the development of innovative technology and hardware solutions designed to optimise productivity and enhance safety for tunnelling and mining operations. We provide fit-for-purpose voice and data communications systems, digital network infrastructure, safety systems, and vehicle, asset and personnel tracking solutions that integrate and scale to meet the diverse needs of our customers around the world.

Normet UK**Stand No. F16**

Unit 5, Wheler Road, Coventry, West Midlands, CV3 4LB, United Kingdom

Contact: Robin Swift | Telephone: + 44 (0) 7714261943**Email: robin.swift@normet.com | Website: www.normet.com**

Normet offers a broad underground advanced solutions for selected customer processes in mining and tunnelling, Normet encourages a strong partnership with its customers, the approach is centred around on packaging technical solutions comprising:

- A range of tough underground equipment
- High performance construction chemicals
- Ground control technologies.

Optimas Solutions**Stand No. F41**

9 Rue Gutenberg, Sarreguemines Cedex F-57200, France

Contact Name: Aurélie Habert | Telephone: +33 3 872850 88**Email: aurelie.habert@optimas.com | Website: www.global.optimas.com**

Optimas is a global distributor of fasteners and c-class products. We provide supply chain and vendor management solutions with engineering and quality support, focused on delivering highly engineered components to world-class customers globally.

Pacadar**Stand No. B43**

Pº de la Castellana 259-D, Edfo.Torre Espacio. 28046 Madrid - Spain

Contact: Mohamed Ellaboudy | Telephone: +44 (0) 7557 489 167**Email: Mohamed.Ellaboudy@pacadar.com | Website: www.pacadar.com**

GRUPO PACADAR is a leading firm in the design, manufacture and assembly of precast, prestressed reinforced concrete structures. We have been present for more than 70 years in the precast concrete market. Last year we opened a new 20-acre facility in the UK at Thamesport on the Isle of Grain. We are supplying concrete segments for the Thames Tideway tunnel project, a new sewer being built to protect the river from pollution.

PBE Rutherford

Stand No. F49

Unit 4 Beacon End Courtyard, London Road, Colchester, Essex, CO3 0NU, UK

Contact: Keith Rodgers | Telephone: +44 (0) 7818 589 484

Email: keith.rodgers@pberutherford.com | Website: www.pberutherford.com

PBE Rutherford are the global leader providing complete integrated solutions for the mining and tunnelling industries, including, temporary electrical power systems, communications and safety solutions from a single source. An integrated solution to, reduce risk, reduce cost, improve safety and increase productivity. Flexible commercial packages including hire, sale and buy-back to suite the project.

Pinssar

Stand No. F14

Corporate House, 2404 Logan Road, Eight Mile Plains, 4113 Brisbane, Queensland, Australia

Contact: Francois Velge | Telephone: +61 437 255 566

Email: FVelge@pinssar.com.au | Website: www.pinssar.com.au

Pinssar has released the world's first continuous, fixed, real time Ambient Air Diesel Particulate Matter (DPM) Reader (Monitor) for harsh environments; capable of continuously monitoring diesel particles in the sub 800nm zone, where DPM lurks. The systems critical innovation is to reliably detect particles in real time, and present live data on authorised user's smart phones, tablets, laptops and/or desktops.

QME Ltd

Stand: B30

Coolfore Road, Ardbraccan, Navan, Co. Meath, Ireland, C15KXY3

Contact: John Rooney | Telephone: +353 871 491 945

Email: jrooney@qme.ie | Website: www.qme.ie

- Company Profile: Providers of Complete Mining & Tunnelling Solutions
 - Extensive Fleet of Mining & Tunnelling CE Certified Equipment Available
 - Existing Organisation of Certified Key Management Personnel including large experienced Mining & Tunnelling Workforce
 - Full In-House Engineering Capabilities including full rebuild/overhaul facilities
 - Flexible Equipment Rental Solutions Available
 - Extensive Network of Service and OEM Parts Suppliers Worldwide.
-

Reliable Contractors LTD

Stand No. F35

301 Northdown Road, Margate, Kent, CT9 3PA, United Kingdom

Contact: Brian Greene | Telephone: +44 (0)207 164 2004

Email: info@reliablecontractors.co.uk | Website: www.reliablecontractors.co.uk

Reliable Contractors is a family run business with our Head Office based in the South of England. We have established regional offices in London, Bristol and Manchester and facilitate the use of satellite offices to support on boarding of local labour for major projects. We have been supplying staff to the construction industry for over forty years and our commitment to quality and safety has helped to establish us as the preferred supplier for many of the top construction companies in the UK.

INNOVATIVE TUNNEL ENGINEERING

Salzburg | London | Washington | Toronto

Tunnel Design

Geotechnical Engineering

Instrumentation & Monitoring

Waterproofing & Water Control

Construction Management

Mining Support Services

Tunnel Rehabilitation



Underground Island

Dräger



Clean air from the safe breathing specialists

Dräger refuge shelters draw on our decades of experience in the areas of medical and safety technology. Whether the temperature inside the shelter changes or is affected by persons entering or leaving the shelter, our system ensures, once activated, that a constant atmosphere with clean breathing air is maintained inside for as long as the shelter is in use.

For more information contact us on:

Tel: 01670 352 891

Email: marketing.uk@draeger.com

Or visit www.draeger.com

Dräger. Technology for Life®

Renesco Group

Stand No. B52

Seedorffeldstrasse 21, Moosseedorf, Berne, 3302, Switzerland

Contact: Stefan Lemke | Telephone: +41 31 388 74 20
Email: info@renesco.com | Website: www.renesco.com

Renesco is a leading international company, specialized in the field of structural waterproofing and injections/grouting services. Established in 1965, Renesco is part of the Marti Group in Switzerland, an owner-operated family business that specializes in underground construction. Renesco provides all kind of specialty services for sealing operations in underground structures against pressurized and non-pressurized water, as well as injection/grouting works.

RENOLIT Iberica S.A

Stand No. F28

Carretera del montnegre s/n, Sant Celoni (Barcelona), 08470, Spain

Contact: Pau Climent | Telephone: +34 938 484 229 / +34 676 780 052
Email: renolit.iberica@renolit.com | Website: www.alkorgeo.com

The RENOLIT Group is a globally-active specialist for high-quality plastic films, sheets and other plastic products for many diverse applications. RENOLIT WATERPROOFING has been active in the tunnelling sector for almost 40 years, producing the most advanced PVC waterproofing membranes. The quality of our RENOLIT ALKORPLAN membranes is certified to the most important standards and proved with a very extensive track record of watertight tunnels delivered across the globe.

Royal IHC

Stand No. B5

Smitweg 6, Kinderdijk, 2961 AW, Netherlands

Contact: Hans Greve | Telephone: +31 88 015 25 35
Email: info@royalihc.com | Website: www.royalihc.com/en/products/other-industries/tunnelling

Royal IHC is a reliable supplier of innovative and efficient equipment, vessels and services for the offshore, dredging and wet mining markets. We have a history of providing reliable solutions for the most difficult maritime challenges from sea level to ocean floor and sustainable life-cycle support from sites and offices on every continent.

SCCS

Stand No. F19

Alpha House, Alpha Drive, Eaton Socon,, St Neots, Cambridgeshire, PE19 8JJ, United Kingdom

Contact: Curtis Woodward | Telephone: +44 (0)1480 404888
Email: sales@sccssurvey.co.uk | Website: www.sccssurvey.co.uk

At SCCS we pride ourselves on the quality and range of products and services we offer to our customers. We supply everything from the simplest of survey accessory such as nails or spray paint through to the full range of surveying equipment, robotic total stations and GPS. Civil engineering and construction projects present many challenges for which we can offer complete solutions for surveying, monitoring, scanning, and other geo referencing tasks.

Shay Murtagh Precast

Stand No. B35

Riverdale, Raharney, Mullingar, Co. Westmeath, Republic of Ireland

Contact: Daisy Cleary | Telephone: +353 44 937 4108

Email: sales@shaymurtagh.co.uk | Website: www.shaymurtagh.co.uk

Shay Murtagh Precast is a market leader in the field of precast concrete solutions. With over 40 years of experience in the industry the company is renowned for the size and scale of products it has produced for some of the most complex infrastructure projects throughout the Utility, Commercial and Rail sectors across the UK and Ireland.

Sika Limited

Stand No. F18

Watchmead, Welwyn Garden City, Herts, AL7 1BQ, UK

Contact: Steve Beckett | Telephone: +44 (0)7970 122208

Email: beckett.steve@uk.sika.com | Website: www.gbr.sika.com

Sika is a leading global company specialising in the manufacture and supply of chemical based products for construction and industry. In the UK, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment sealing & bonding and industry.

SOPREMA CIVILROCK

Stand No. F34

4 Lancaster Way, Earls Colne Business Park, Colchester, Essex, CO6 2NS, United Kingdom

Contact: Vanessa Dos Santos | Telephone: +44 (0) 7770 721 636

Email: vdossantos@soprema.co.uk | Website: www.soprema.co.uk

To guarantee the durability of structures, it is essential to protect them from the effects of water in order to avoid metal corrosion and concrete carbonation. This is one of the roles of the waterproofing. An independent group since its creation over 100 years ago, SOPREMA is firmly established as one of the world's leading waterproofing companies, producing more than 150 million square metres of waterproofing membranes a year.

TechCon Specialist Products Ltd

Stand No. B64

The Old School, 188 Liscard Road, Wallasey, Merseyside, CH44 5TN, United Kingdom

Contact: Kerry Smith | Telephone: + 44 151 691 6682

Email: ksmith@tsproducts.co.uk | Website: www.tsproducts.co.uk

TechCon specialise in the supply of specialist construction products such as Injection Resins, Injection Pumps, Injection Accessories including packers. TechCon can also provide site support and product training for all products.

Technical Tunnelling Components

Stand No. B44

Unit k Radius Court, Tungsten Park, Coventry Road, Hinckley, Leicestershire, LE10 3BE, United Kingdom

Contact: Graham Langshaw | Telephone: +44(0)1455 234401
Email: graham@ttcltd.org | Website: www.ttcltd.org

Technical Tunnelling Components has over 40 years of experience manufacturing and supplying segment accessories such as connection bolts, grout/lifting sockets, segment packers along with the award winning Dowelock connection system. With in-house design and manufacturing capabilities TTC can offer bespoke products for challenging situations as well as a full range of standard segment accessories. TTC are Supplying components worldwide with an excellent service record.

Tempo PCE

Stand No. B65

6-7 Neeld Parade, Wembley, London, HA9 6QU, United Kingdom

Contact: Tom Phillips | Telephone: 020 3794 4325
Email: tlp@tempo-pce.com | Website: www.tempo-pce.com

Tempo-PCE have specialised for 14 years in low-pressure grout injection for repairing, strengthening and waterproofing masonry or concrete structures. We also offer standard high-pressure types of grouting, ranging from leak sealing to soil stabilisation.

The Robbins Company

Stand No. B26

29100 Hall Street, Solon, Ohio, 44139, United States of America

Contact: Nancy Yun | Telephone: +1 253 872 0500
Email: yunn@robbinstbm.com | Website: www.therobbinscompany.com

With over 65 years of innovation and experience, The Robbins Company is the world's foremost developer and manufacturer of advanced, underground construction machinery. We lead the way with ever-advancing products, like our Crossover series of TBMs, designed for optimal performance in ground conditions that typically require multiple machines. Stop by our BTS stand B26 to learn more about our latest innovations.

Tracey Concrete

Stand No. B10

Old Rossorry, Enniskillen, Fermanagh, Northern Ireland, BT74 7LF, United Kingdom

Contact: Darren Maguire | Telephone: 028 66 326437
Email: headoffice@traceyconcrete.com | Website: www.traceyconcrete.com

Tracey Concrete is one of the largest precast concrete manufacturers in the UK and Ireland. Tracey Concrete is a leading UK supplier of precast tunnelling products, manufacturing a wide range of Jacking Pipes, Caisson Rings and Shaft Slabs. With our vast experience and expertise in the industry we have supplied some of the biggest projects in the UK.

Trolex Limited

Stand No. B25

Newby Road, Newby Industrial Estate, Hazel Grove, Stockport, SK7 5DY, United Kingdom

Contact: Mark Bennett | Telephone: +44 (0)161 483 1435
Email: mark.bennett@trolex.com | Website: www.trolex.com

For half a Century, Trolex has been supplying and installing environmental monitoring systems along the length of tunnels and on TBM's. Our Solutions are unique to the specific requirements of each project, meeting the highest standards of safety, integrity and reliability.

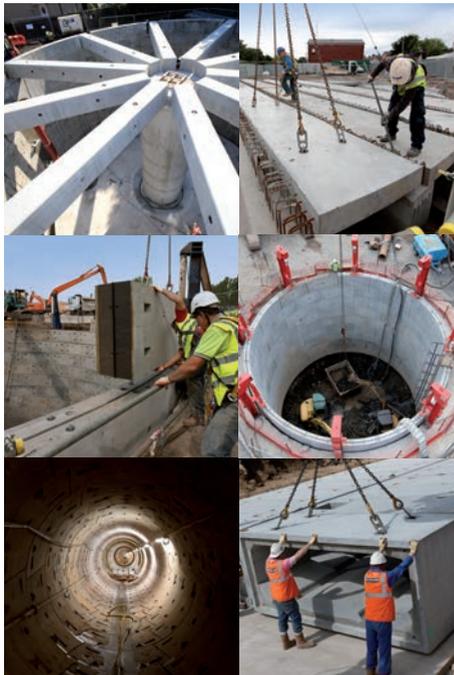
Tunnel Engineering Services (UK) Ltd

Stand No. F15

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

Contact: Alan Worsley | Telephone: +44 (0)161 6266005
Email: info@tesuk.co.uk | Website: www.tesuk.co.uk

Tunnel Engineering Services (UK) Ltd design, manufacture and hire tunnelling machines and equipment including: Tunnel Boring Machines, Mechanised Excavator Machines, Roadheader Machines, Auger & Guided Auger Bore Machines, Power Packs, Pipe & Shaft Jacking and Special Purpose Equipment. In 2018 as part of our ongoing company aims, TES relocated to new larger premises and gained accreditation for BSEN1090:EXC3 and ISO9001:2015.



Made by
Macrete

Smoothbore Segmental Shaft Linings
 2.44m up to 3.66m ID

Universal Segmental Shaft Linings
 Bolt from the back or the front
 4.00m up to 27.00m ID

Segmental Tunnel Linings
 2.44m, 2.85m and 3.05m ID

Vacuflush™ Chamber
 A unique waste water holding tank vacuum flushing system

Shaft Cover Slab Systems
 Custom designed for your needs

Precast Culvert Systems
 Minimum 1000mm custom designed for your needs

Jacking Pipes
 Range from 600mm to 2100mm

Contracts recently supplied include:

- Horncastle FAS
- Louth Fas
- Larne VwTV
- Springburn FAS
- Mancunian Way Improvements
- Manchester Ship Canal -Trafford Park Tunnel
- River Ribble & Preston 32 UIDs
- Crosby Vacuflush System
- Warrenpoint WwPS
- Gloucester FAS
- Todmorden FAS
- Dunfermline FPS



028 7965 0471 www.macrete.com

Victaulic

Stand No. F30

Units B1 & B2, Unit 14., Off Gunnels Wood Road, Stevenage, Hertfordshire, SG1 2NB, United Kingdom

Contact: Dennis Roof | Telephone: +44 1438 310 690

Email: VicEuro@victaulic.com | Website: www.victaulic.com

Since 1919, Victaulic's pipe joining and flow control solutions have optimized construction productivity and reduced risk, ensuring projects are completed safely, on time and within budget. Driven by a spirit of continuous innovation, Victaulic's portfolio of 100,000+ products and patented technologies promote freedom of design, as well as simplified inspection and maintenance for the life of any system.

VIP-Polymers Ltd

Stand No. B22

15 Windover Road, Huntingdon, Cambridgeshire, PE29 7EB, United Kingdom

Contact: Matthew Levitt | Telephone: +44 1480 442565

Email: matthew.levitt@vip-polymers.com | Website: www.vip-polymers.com

Since 1923 VIP have been at the forefront of polymer engineering with world-wide experience in the design, manufacture and installation of Tunnel Segment Gaskets. This has led to the development of our patented* jointing system for cast-in TSGs which are designed specifically to eliminate corner point loading, often the cause of cracked and damaged segments. *(GB2541978 – International patent pending).

VVB Engineering Limited

Stand No. B58

DeBeauvoir Farm, Church Road, Ramsden Heath, Billericay, Essex, CM11 1PW, United Kingdom

Contact: Nick Beedle | Telephone: 01268 711845

Email: enquiries@vvb-eng.com | Website: www.vvb-eng.com

VVB provides Mechanical and Electrical Installation services for a variety of industries. VVB has specialist expertise in the construction, maintenance and refurbishment of power, road and rail tunnels in the UK.

DRIVEN TO THE CORE



PARTNERS IN YOUR PROGRESS

Every tunnel stands as evidence of problems solved, obstacles overcome, and partnerships solidified. Our drive has always been—and will continue to be—meeting our customers' challenges head-on. Learn more about how The Robbins Company is utilizing forward-thinking tunneling methods to carve new paths in the tunneling industry on our website at therobbinscompany.com.





Mastering Underground Construction Challenges

Ground Engineering & Injection Solutions

Sprayed Concrete Solutions

Waterproofing Solutions

Mining Solutions

TBM Solutions



United. Inspired.

Discover the innovations Epiroc can provide on Stand F12 for all your underground mining and tunnelling operations

Epiroc was formed to be a stronger partner for you in tunnelling, including infrastructure, mining and natural resources, building on 140 years of proven expertise. Dynamic by design.

