



United Kingdom Society for Trenchless Technology

# UKSTT 20th Annual Dinner & Awards Ceremony **SAVE THE DATE**



**Come along and help the UKSTT celebrate 20 years** of trenchless technology in style on Friday 16th May 2014. Already confirmed as sponsors are H5O and U Mole, a division of Vp plc. If you would like to join them in sponsoring these prestigious awards then please contact Lynn Maclachlan on 01926-330935 or [admin@ukstt.org.uk](mailto:admin@ukstt.org.uk)

### Could your project be a winner?

We are now accepting entries into the Awards which are open to any project, large or small, that was carried out between 1-Jan-13 and 31-Dec-13.

## New Venue for NO-DIG LIVE 2014

The organisers of the 12th biennial NO-DIG LIVE trenchless technology exhibition and live demonstrations have announced that the next event will be held at Peterborough Arena, 16-18 September 2014.

Peterborough Arena is situated at the East of England Showground which offers an ideal combination of facilities required for NO-DIG LIVE, including a state of the art indoor exhibition hall with adjacent demonstration grounds and first class seminar accommodation. The venue also offers acres of free car parking, free wi-fi for all visitors and exhibitors and a wide range of nearby hotels.



## Young Engineer picks up £2000 UKSTT development award

Project Engineer James Larkin, recently crowned 'Young Engineer of the Year' at the prestigious UKSTT 2013 awards, recently picked up a £2000 development award to further his industry knowledge from Russell Fairhurst, Chairman of the UKSTT.

Assessment of the Young Engineer award is undertaken by a panel of independent judges, carefully selected to be representative from a broad cross section of the relevant industries, who look to single out the most outstanding young engineer in the industry. The UKSTT are keen to promote investment in the next generation of engineers, and the £2000 development award provides a healthy boost to any young engineers career development.

James, who works for UKDN Waterflow, plans to use the award to travel internationally to see how drainage operations differ from his experience of UK operations, where Health and Safety and the Environment sit firmly alongside innovation and cost.

James met up with Greg Beech, chief executive of UKDN Waterflow, and Russell Fairhurst chairman of the UKSTT to present the award.

**Have you got a young engineer in your organisation? Make sure you nominate him for next year's UKSTT Young Engineer award.**



# United Kingdom Society for Trenchless Technology

## UKSTT Technical Enquiry Service Over £1m of potential work per annum



Mentioned every year in the Chairman's speech at the Annual Dinner & Awards Ceremony, the UKSTT web site has a dedicated link for visitors to raise technical enquiries they may have concerning the world of trenchless working. In addition the administration team at Leamington Spa receive many calls seeking help.

As part of the Corporate Membership benefits package many of these work associated potential advisory/problem solution queries generate business directly or indirectly for our members. The service is co-ordinated through the administration team and managed by the

Society's Technical Secretary, Peter Crouch. After receipt the information is reviewed and the enquirer is contacted to better understand the problem and improve the information to be circulated to the Society's corporate membership. To save time Corporate members, able to offer help, service or advice, are directed / encouraged to respond directly to the enquirer.

It is not an exact science but feedback is generally positive with several companies and individuals returning with enquiries for different projects year on year.

In the last 12 months UKSTT has recorded nearly 100 enquiries ranging from 'a

difficult to mole service replacement' to 'problems with structural relining of a wash water tunnel'. The estimated approximate value of the potential work circulated to our corporate members through this system each year regularly exceeds £1million.

So if you have a question then feel welcome to use the service [www.ukstt.org.uk](http://www.ukstt.org.uk) or even better support part of the work of the Society and become a corporate member for less than a single half page advert promoting your business. What's to lose give it a try.

## Member News.. Member News.. Member News..

### KMI+ Preston Wins UKSTTs Innovation & New Installation Awards

United Utilities and KMI+, a joint venture partnership between Kier Infrastructure and Overseas Limited, J. Murphy & Sons Limited and Interserve Construction Limited, are celebrating a double award win for the Preston project in the categories of Innovation and New Installation. The recognition was received at the United Kingdom Society for Trenchless Technology (UKSTT) Awards 2013 which reward excellence in trenchless technology.

Russell Fairhurst, UKSTT Chairman said "I wish to thank you all for attending and supporting our industry and more importantly the award entrants without whom the event would have no meaning. These awards highlight the best in our industry and are a showcase to the world".

In winning both categories, KMI+ was praised for the innovative solutions it employed on the Preston Interceptor Sewage Tunnel which included one of the most complex grouting and dewatering systems ever installed, and the use of a German Direct Pipe thrusting technique never before used in the UK.

### 100 Up for Drilline Products GPR Sales

Drilline Products delivered their hundredth ground penetrating radar (GPR) this month into the UK market. Back in February 2007, Milton Keynes Surveys were the first customer worldwide to take delivery of the IDS Detector DUO GPR system, so it seemed fitting for the survey company to be the recipient of the system that brings up Drilline's centenary sale.

Milton Keynes Surveys are now the biggest user of the Detector DUO system within the UK, David Rust their

Managing Director said "the DUO has helped us grow our business within the utility sector from scratch to where we are now", they currently have 5 systems.

The IDS Detector DUO is specifically designed for on-site utility detection. It has the facility of a dual frequency antenna, this enables you to detect both shallow and deep targets simultaneously which increases the detection performance, being a digitized system you can save the data for later viewing or post-processing through dedicated software.



### Murphy Receives British Safety Council International Awards Recognition

J. Murphy & Sons Limited continues to gain recognition for its demonstrable commitment to quality in health and safety management by the British Safety Council's International Safety awards scheme.

Murphy received a number of awards at last month's event for the third consecutive year, recognising high standards of health and safety management practice to prevent workplace injury and ill health.

Alex Botha, British Safety Council Chief Executive said, "We warmly congratulate J. Murphy & Sons Limited and its employees' on gaining an International Safety Award. All of those working at Murphy have made this award possible which recognises their dedication and commitment in preventing injury and ill-health in the workplace."

## Meeting Market Demand for Fire Main & Other Pressure Pipeline Rehabilitation

The InsituMain® system is a cured-in-place pipe (CIPP) technology specifically engineered for structural pressure pipe renewal including rising main, distribution and trunk mains (diameter 150mm to 1500mm).



InsituMain® is installed inside the existing host pipe, eliminating the risk of disrupting or damaging any nearby utilities or underground services. The trenchless installation method reduces the social and environmental costs of pipeline renewal projects by minimising the carbon footprint, site noise, traffic diversions and safety concerns that are present with traditional dig and replace methods.

InsituMain® is a fully structural bespoke liner that is designed to meet each individual client's specific requirements and is manufactured, wet out and installed by Insituform Technologies Ltd (ITL).

DWI certification is currently being sought for the system. InsituMain® can negotiate bends up to 45 degrees and offers a long-term internal pressure rating of between 3 bar and 10 bar depending on the diameter. The system is capable of withstanding a maximum surge pressure of -0.9 bar.

## U Mole Staff Undertake Indepth Training at IBG



U Mole (a division of Vp plc) recently undertook responsibility for the rental dealership across the UK for Germany-based IBG Hydro-Tech GmbH, manufacturer of the HydroCut range of milling robots, cleaning and lining systems ([www.ibg-hydro-tech.de](http://www.ibg-hydro-tech.de)). U Mole's responsibility currently covers the range of HydroCut robotic systems.

IBG Hydro-Tech develops and manufactures a variety of robot milling systems for relined pipes

with the capability to negotiate various curve configurations. The robots are powered with high water pressure and are applicable for either circular and egg shaped pipes. All robots are easy to handle using a mobile control unit or an integrated in-vehicle control panel. The complete range offers four innovative robots for pipe diameters from 100 mm up to 800 mm i.d. The HydroCut 60 and 100 models are ideal for house connections and main pipelines with the larger unit being self-propelled. All cutting robots have the same high resilience and can be centred using guide rails and a bracing unit. A high milling performance is guaranteed with all cutting heads usable for a wide range of pipe material. Both the HydroCut 60 and 100 models are also available as compact versions combined with a control unit, making them very flexible even at sites with the most difficult access.

## Illuminating the way in Suction Excavator Innovation & Application

This summer has seen the dawn of a new era in Suction Excavation with Brechley Civil Engineering being the first company in the UK to take delivery of the new TT-UK/RSP 7.5t City Sucker.



Brechley have been using a number of larger Suction Excavators for over two years on this SEC street light replacement PFI where digging down on live cables is a highly dangerous task; Brechley risk-assessed and found that by using suction excavation, their strike rate fell from one in every 142 mains/disconnection holes dug by traditional means (hand or small tools) down to one in every 546 holes using suction excavation.

Mounted on the two meter wide Mitsubishi Fusso chassis, the City Sucker incorporates a single hydraulically driven high performance fan while the hydraulically driven on-board compressor delivers 2.2 m<sup>3</sup>/min at 7 bar, enabling automatic cleaning of the fine filters and operation of pneumatic tools. The power assisted suction hose has a maximum reach of 3.55m with the option to extend and rotates 180°. Holding capacity of the material container is 1.1 m<sup>3</sup>. The 7.5t City Sucker offers Utility companies and contractors additional opportunities to use Suction Excavation at job sites not previously accessible.

## Taking New Lateral Connection Cutter Technology Worldwide

It may not seem it, but it was only just over one year ago that Finland-based Picote launched its new Smart Cutter™ lateral cutter onto the international pipeline renovation market. Yet in barely 15 months the system has become a global product, aiding pipe renovation projects on almost all continents of the world.

The Smart Cutter™ product also achieved international recognition at the 2012 International No-Dig event in São Paulo, Brazil where it was awarded the International Society for Trenchless Technology (ISTT) Product of the Year Award for 2012. The product also achieved a Highly Commended status at the recent UKSTT Annual Dinner and Awards Ceremony in Birmingham, UK in the Innovation Category.



# Getting to know our new members

## Force One

Established since 2004 and initially operating within the utilities industry as a sub-contractor, Force One Ltd became one of the first UK companies to utilise and invest in "safe dig technology" – Suction Excavation.

Force One Ltd have become the largest



operator in Europe of 26 and 32 tonne suction excavators and the goal is now to continue its success and further expand, whilst introducing new innovative services and technologies,

across a growing range of industries.

Based at new offices within March, Cambridgeshire our

management team has a wealth

of experience across sales and marketing, project management, transport and plant.

[www.forceoneltd.co.uk](http://www.forceoneltd.co.uk)

**UKSTT 20th Annual  
Dinner & Awards  
Ceremony**  
**16th May 2014**

**12th biennial  
NO-DIG LIVE 2014**  
*at the Peterborough Arena*  
**16th-18th Sept 2014**

## STOP PRESS.. STOP PRESS.. STOP PRESS.. Innovation Day cancelled!

Much to the disappointment of your chairman, council officers, our members, our Patron, National Grid, and several already committed exhibitors, UKSTT has had to face the difficult decision to cancel the planned innovation day due to be held on 24th October at Hitchin Training Centre.

Through circumstances beyond our control and despite the best efforts of National Grid staff and the council officers

involved the planned venue could not be made to work and finding a suitable local alternative which had such risk free commercial advantages has proved beyond the time available.

UKSTT would like to thank members for their support and sincerely apologise to members and potential exhibitors for this disappointment.

We are still planning to run several road show days early in 2014 and hope you will still wish to work with us in the future to promote innovation and knowledge associated with the trenchless industry.

## WHO'S WHO?

For details of UKSTT council officers and staff please check the web site [www.ukstt.org.uk](http://www.ukstt.org.uk) or contact the team at Leamington Spa on 01926 330935



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**1/4 page** (Not on front page) **£250**

*For more info, please contact [admin@ukstt.org](mailto:admin@ukstt.org)*

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