



February 2010

Wakefield a Roaring Success

Sponsored by Yorkshire Water, the UKSTT second No Dig Roadshow held at Wakefield on 1st December was fully supported by a wide range of exhibitors, delegates, and speakers.

This the second in a programme of four roadshow events following on from the Bristol roadshow in November reported in the last newsletter.

Colin Tickle the society chairman was there to co-ordinate the speakers until having to dash to London to witness the presentation of a winning award to one of our members at the annual National Joint Utility Group's (NJUG) winter reception held at the House of Commons. (See later article)

Feedback has been very positive with over 120 delegates provided with opportunity visit a wide range of over 26 trenchless exhibitors as well

as listen to a full day of technical papers and workshop talks from industry experts.

So far this programme of roadshows has broken all previous records of attendance and we are looking forward to the next roadshows in the programme that are scheduled for Dublin & Belfast on the 30th March & 1st April respectively with the UKSTT biennial three day 'No Dig' exhibition and conference show now booked for 5th – 7th October at Stoneleigh Park, near Coventry. Breakfast seminars are planned again this year and speakers are being booked.

For more information visit www.ukstt.org.uk



UKSTT Awards Dinner 2010

Get your entries submitted straight away and book your diaries because the United Kingdom Society for Trenchless Technology (UKSTT) is holding its Annual Dinner and Award Ceremony on Friday 23rd April 2010 at the Holiday Inn, Birmingham.

Sponsors publicity at the event & press coverage of the Award presentations. Sponsors to date this year include South West Water, Waterflow, Bournemouth & West Hampshire Water, Drilline Products, Pipe Equipment Specialists Ltd, NJUG, TT-UK Ltd, and DCT Civil Engineering.

The event celebrates the contributions made by organisations and individuals to the promotion, use and development of Trenchless Technology in 2009. The categories remain the same for 2010, Rehabilitation, New Installation, Small Project, Innovation and Young Engineer.

There are various sponsorship packages still open which will secure the

Completed forms should be returned by email along with supporting evidence, including photographs by 27th February 2010.

Following the success of last year's awards we have again secured the services of the naturalist, author & broadcaster, Chris Packham to introduce and assist in the presentation of awards. This will be followed by Mike "Mayday" Mitchell, a former helicopter & airline pilot, who will provide the entertainment based upon his 30 years flying experience throughout the world.

The price of tickets for the Dinner remains the same as 2009 at £69 each (incl. VAT).

For more information visit www.ukstt.org.uk



Society member wins prestigious NJUG award Infotec wins the NJUG "Avoiding Damage" Award 2009

Colin Tickle, UKSTT chairman, was delighted to attend the NJUG winter reception in London on behalf of the society and witnesses a prestigious industry award, to Infotec, one of our members, for their unique "Virtual Trialhole" Services.



The benefits of these and other services have not only been recognised by NJUG, but are now to be used as part of several new Permitting regimes including Westminster City Council. They are

also being widely adopted by contractors and utilities throughout the UK, with Balfour Beatty Utility Solutions recently stating their intention to use Virtual Trialholes as their preferred method of site investigation. In doing so replacing literally thousands of excavated trialholes, enhancing safety, performance and vitally saving significant costs in the process. Infotec offer all of their mapped survey solutions on the basis of accountability, with a professional indemnity guarantee covering accuracy, error and omission.

Les Guest, NJUG chief executive, said: "I am delighted Infotec were

winners of this year's Avoiding Damage Award for their Virtual Trialhole technology. Virtual Trialholes are designed to provide a cost effective alternative to any existing invasive methods. There was significant competition for the 2009 NJUG Awards with over 60 submissions received in total. However, Infotec's innovative approach to avoiding damage to underground assets led to it emerging as a clear winner. A case study of their submission will shortly be publicised via the NJUG website for all to read and learn from".

For more information visit www.ukstt.org.uk

New Corporate Member Profile



CleanLine (UK) Ltd was founded in 2003 specialising in drain cleaning, CCTV surveying and general drainage maintenance. CleanLine has rapidly grown to become one of the largest drainage contractors based in the North West of England.



Our expertise has expanded to offer 24/7 365 days reactive repair and maintenance drainage service, remote no-dig pipeline repair systems and minor civil engineering works.

To complement our already extensive client list, we became partners of

choice for Morgan Est plc starting in 2005, employed on the United Utilities AMP 4 framework contract. This contract played a key role in the successful growth of the company adding Carillion and Enterprise plc to the growing list of blue chip clients and providing national coverage.



Our success has been based upon pro-active management, providing trained and competent people and building alliance relationships with customers. All-in-all delivering a professional service, ensuring the work is carried out to the highest standards of Health, Safety and Environmental procedures and at competitive rates.

CleanLine (UK) Ltd is a big team who can deliver that service.

For more information visit www.ukstt.org.uk

Swage lining – A U.K. Utility record?

Although the Swage lining technique, (first developed by British Gas in the 1980's) has been around for a number of years, it still competes very favourably with the best alternative 'no dig' technologies!



Denholm Pipecare (previously called PMI Denholm) has just completed the latest of a number of Swage lining projects at Leamington Spa for National Grid along with the senior contractor Morgan Est. The last 'pull' on this project is believed to be a UK record for a Utility at this size using a 40 tonne Grundotug winch. The pull of 930m of 469mm PE80 into an existing 18" CI gas main, undertaken during the night to avoid traffic problems, was completed in one shift.

This was also the final section of a 4 year rehabilitation programme for this particular Leamington Spa pipeline.

Jim Smith the Denholm Pipecare Commercial Manager commented that "the key factor in successfully carrying

out this type of project is the close working relationship with everyone involved, and with Morgan Est and National Grid this has worked extremely well".

The advantages of this well-proven technique include a significant reduction in the number of excavations required (can be up to 90% less than open cut) savings in time, cost and minimizing disruption caused. As the reduction in excavations and reinstatement are drastically reduced there is an added environmental advantage of the technique.

The Swage lining technique, uses a polyethylene (PE) liner pipe with an outside diameter slightly larger than the inside diameter of the pipe to be lined. The 'host' pipe first has a CCTV survey carried out to determine condition, restrictions, bends and any obstructions. It is then cleaned and calibrated, whilst at the same time the PE liner is butt welded and external beads removed.

The PE pipe is then pulled through a reduction die to temporarily reduce its diameter, thereby allowing it to be pulled into the 'host' pipeline. Once the pull is completed the pulling load is removed and the liner pipe tries to revert to its original diameter, until it becomes a tight fit against the inside of the 'host' pipe.

For more information visit www.ukstt.org.uk

Trelleborg Launches Manhole Chimney/Collar Seals

With increasing emphasis on 'whole network' rehabilitation, the focus on manhole performance within the system has gained importance and trying to answer one of the more difficult areas of manhole rehabilitation, Trelleborg Group has introduced, through its Pipe Seals division, a newly designed manhole chimney or collar seal to prevent infiltration and exfiltration from the top/entry area of a manhole structure.

This area has been shown to be the part of the manhole that suffers most deterioration due to freeze/thaw cycles at surface, traffic loading, thermal expansion and contraction of the surrounding pavement, roads and other external forces.

Known as the DRAIN FLEXRIB MANHOLE SEAL, the unit is a spring seal system which utilises a rubber seal in conjunction with an expanding stainless steel clip. The seal is placed over the affected area and the spring clip is expanded using either a manual or hydraulically driven installation tool to press the rubber seal into position over the damaged area.

Installing the seal creates a watertight seal between the manhole frame casting and top of the manhole cone. The design of the seal allows it to move vertically and/or laterally whilst maintaining a watertight seal.

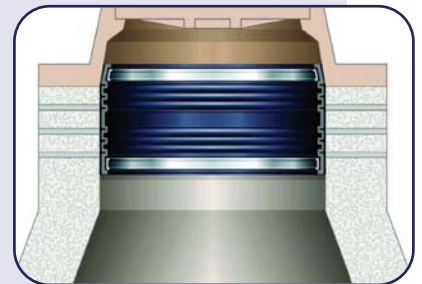
Using patented Waveband technology the unit creates a more effective seal by concentrating the compressive force of the expansion band. The rubber is 'captured' between the band and the manhole structure. The seal itself is made from a premium quality rubber compound and is available in four widths to cover a wide range of

different manholes.

In addition to the standard width options there is also a FlexRib Extension seal for use when the adjustment area of the manhole exceeds the range of the available FlexRib Seals. A FlexRib extension may be added to provide an additional 203 mm coverage with a seal of 235 mm width and a 178 mm 'corrugation'.

Commenting on the new Manhole Chimney/Collar seals Ian Ramsay, Trelleborg Pipe Seals Gateshead sales director said: "It has long been understood that rehabilitation of and the prevention of infiltration/exfiltration to and from manholes is a key factor in the effective sealing of pipe networks. Our new DRAIN FlexRib Manhole Seal now offers a very quick to install and easy to use unit to achieve this end. Without the use of liquid resins, flexible materials and often extended cure times or pre-formed sections which could possibly affect the future accessibility of manholes, manhole collars can now be completely sealed against extraneous flows in one simple operation."

For more information visit www.ukstt.org.uk



Break through for Condition Assessment of Pipework

JD7's new condition assessment tools are completed and all patents in place. Our new NDT systems include both external and internal manipulators. The internal systems are part of an on-going development project which has been running for over 2 years, working closely with Balfour Beatty Utilities and Yorkshire Water.

minimise disruption to customers.

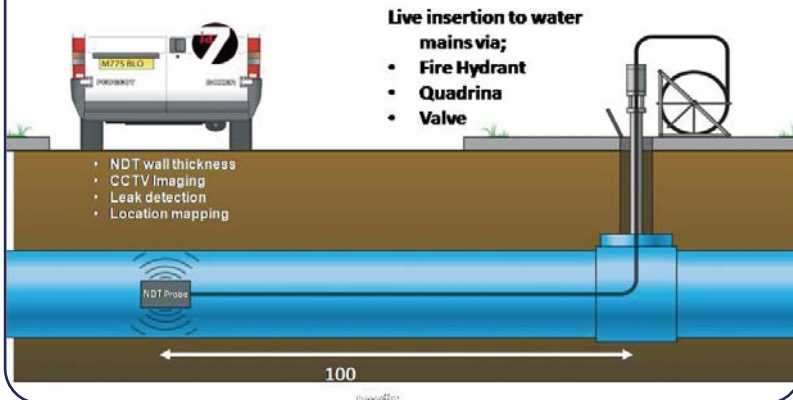
Yorkshire Water are attending an equipment demonstration day on the 29th Jan, where our full range of new NDT manipulators and CCTV systems are being utilised.

Daniel Krywyj for JD7 quoted "we plan on introducing our internal NDT technology as part of the AMP5 cycle to not only reduce costs to water companies, but to offer a much higher level of quality data to customers, ultimately moving towards a pro-active approach to pipe failures".

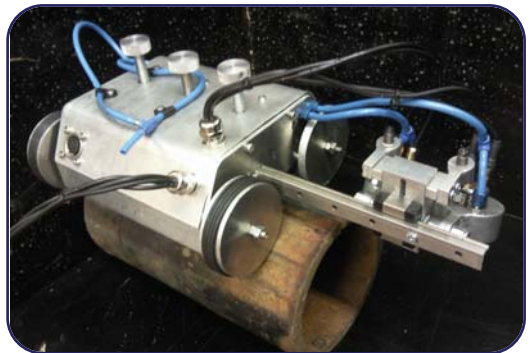
From Jan 2010, JD7 engineers will be offering NDT as a service using our new technology. For further information please contact Daniel@jd7.co.uk.

For more information visit www.ukstt.org.uk

Live Insertion No-dig Inspection



JD7 have recently entered into a commercial agreement with Germanischer Lloyd to provide technology as part of the Scottish Water NDT framework. This relationship will allow the new NDT technology to be utilised from 18th Jan and allow Scottish Water to drastically reduce investigation costs and



UKSTT Patron, National Grid, renew Displacement Mole contract

Using the Achilles UVDB Scheme, National Grid has awarded their Earth Displacement Mole supply contract to TT-UK for their Grundomat system. The award of this supply contract was made after full technical, commercial and quality assessments of leading moling manufacturers. After sales service, training, technical support and their on-going innovation and R & D projects are designed to keep TT-UK at the forefront of the Trenchless Technology Industry.

TT-UK manufactures and supplies a wide range of Trenchless Technology equipment, for the most cost effective method of installing/replacing existing underground pipes/cables whilst reducing the associated traffic disruption and environmental impact.

National Grid is an international electricity and gas company and one of the largest investor-owned energy companies in the world. It plays a vital role in delivering gas and electricity to millions of people across Great Britain and the north-eastern US in an efficient, reliable and safe manner. They believe the power of action can play a major role in safeguarding our global environment for future generations and tackling the effects of climate change, providing all its customers with the highest standards of service through network investment and through its diverse workforce.

National Grid owns the high-voltage electricity transmission network in England and Wales and operates the system across Great Britain. It also owns and operates the high-pressure gas transmission system in Britain and its distribution business delivers gas to 11 million homes and businesses. For more information visit www.ukstt.org.uk

Newsletter Sponsorship

Sponsorship of articles including your company details and logo, can also be included at the following rates:

Banner (max. 3cm high) £100

1/4 page (Not on front page) £250

For more information, please contact the UKSTT Secretariat at:

admin@ukstt.org.uk

WHO'S WHO?

For details of UKSTT council officers and staff please check the web site www.ukstt.org.uk or contact the team at Leamington Spa on 01926 330935