



April 2010

UKSTT is working with Brunel University students



Sandra & John in action at Brunel

As part of its university annual introductory undergraduate lecture programme and following last year's successful introductory lecture to undergraduates at Brunel University, on the options, benefits and systems, to install, repair, or replace underground network apparatus using trenchless systems and techniques, we returned in February to commence a three part programme of lectures and presentations to expand students' knowledge and awareness of the wider range of consideration required to be undertaken when designing pipelines other than the immediate aspect of hydraulics. All has been interlaced with a trenchless theme and anecdotal experience, case studies, and footage and supporting images and information.

The team is three handed with Sandra Rolfe-Dickinson from Montgomery Watson Haza (MWH) and John De Rosa from Subterra joining with Peter Crouch from UKSTT. The programme has required the development of a suite of interlocked lectures and material and UKSTT are particularly grateful for Sandra and John's support.



Steve & Brian at Teesside

These lectures have also been supplemented with a repeat of last year's updated introductory trenchless lecture to this year's second year students.

UKSTT are also supporting the University's industry

panel in helping to develop industry relevant courses that attract companies to offer student placements into industry during the their three or four year degree 'sandwich' course.

In addition to lecturing at Brunel, UKSTT are also lecturing throughout the UK. These include lectures

at Teesside where Steve Kent and Brian Syms presented a lecture to over forty undergraduates and Cambridge University where Dec Downey chairman of ISTT was kindly available to help out with a lecture to twenty five of their undergraduates. We have outstanding lectures booked at Brunel as well as Newcastle and feedback forms are being analysed to highlight potential improvements for next year.

These lectures are supported generously by the time and effort council members give and they are all to be applauded in their support for the society and its work.

For more information visit www.ukstt.org.uk



Dr Dec Downey
ISTT Chairman



REMINDER - All Corporate Members

- FREE editorial space

All new corporate members, please remember that suitable editorial will be published within the UKSTT newsletter *free of charge*, subject to space limitations. Topical articles of 250 - 300 words with one or two images highlighting the key aspects of the project or product development are always welcomed by the editor.

UKSTT supports Private Sewers Forum

The Private Sewers Forum met in February to review and discuss editorial submissions and position statements from members.

E U Skills tabled two handouts at the meeting, a position statement regarding the scheme and a table showing individual job roles – a framework for Safety, Health and Environmental Awareness (SHEA).

Due to the wide range of evidence required for registration the main concern has been to try to simplify the process, particularly in view of EUSkills not being able to control the differing expiry dates of current schemes.

EUSkills are now in a position to launch the Drainage Operative Registration Scheme but water companies are unsure as to how they are going to undertake the management of transferred private drains.

The group advocated further

discussion with some members unable to attend but actions or next steps are likely to include the development of a Health and Environmental Awareness (SHEA) programme for Drainage Operatives based on the approach provided for Water Network Operatives. This will provide a solution to the CSCS issue. They will also consider the development of the skills element of the drainage registration, despite lacking a clear

direction by the water companies, and the encouragement by members of the forum for the support of SHEA and Skills registration.

Val Gibbons shared editorial recently submitted to the Water & Waste Management Journal and copied members into the open letter by the NSA chairman, Phil Reaney.

Next Forum meeting is scheduled for Wednesday 12th May.

For more information visit www.ukstt.org.uk

Current draft timetable looks like this:

March 2010	Draft Regulations for Consultation
October 2010	Transfer of secondary legislation*
April 2011	Mandatory New Build Standard
April 2012	Overnight transfer of Private Sewers

UKSTT Awards Dinner – Friday 23rd April – Birmingham

By the time you read this the awards entries will be submitted and under close scrutiny with short listing likely to be complete. Another excellent evening to look forward to, celebrating the best in trenchless activity and the brightest in the industry.

But it will not be too late to buy a ticket or two, or even a table, and support the society and its members, your colleagues, as well as all the entrants at this major industry evening with your chairman Colin Tickle.

Come along make an evening of it enjoy the social and professional networking as well as the entertainment and the quality of submissions.

Tickets remain at only £69 per person.

For more information visit www.ukstt.org.uk

* STOP PRESS * STOP PRESS *

UKSTT chairman, Colin Tickle, is delighted to announce that there have been more award entries than ever again this year! Colin said that he was delighted with supportive positive response from the industry. 'This is an excellent effort by our members, in particular, and the industry in general. I am looking forward to a great night in April when announcing the shortlisted entries and celebrating the winners and runners up with our audience and the world wide industry through our newsletter and Trenchless International magazine. <

SAINT-GOBAIN PAM UK takes load off customers' minds

Saint-Gobain PAM UK in association with Wincanton and Gundel Transport have come up with a novel solution to a common problem on construction sites – the safe unloading of cylindrical pipes from flat-bedded vehicles. The development comes on the back of increased concerns over health & safety in the construction industry as a whole.

In line with its own ongoing commitment to health and safety, Saint-Gobain PAM UK had originally been approached by one of its

major water industry customers to discuss how the on-site pipe unloading process could be improved.

One of the major issues was that there was no fixed configuration when loading pipes onto lorries, with 'bridging' – pipes with each end resting on a different stack of pipes underneath - commonly used. This lack of consistency created potential problems for those at ground level with the responsibility for unloading the pipes by personnel who could not always see all the

Continues overleaf

United Kingdom Society for Trenchless Technology



pipes on the vehicle. As a result Saint-Gobain developed a new lorry loading configuration which would be guaranteed to be used for each pipe diameter and advised to the customer in advance.

The second issue was the unloading process itself. On-site loading at Saint-Gobain's stockground at Ilkeston in Derbyshire is undertaken by specially designed forklift trucks, but of course these are not typically available on-site. The usual option for customers is to hire a crane at around £1,000 per day. This can rise further if unloading has to be delayed for any reason, for example due to adverse weather.

Health and safety concerns are further exacerbated here as unloading by crane requires individuals to access the trailer bed to fit pipe hooks or slings to the lengths of pipe. At this point they are exposed to both potential 'pipe roll' and the possibility of being hit by a heavy pipe swinging from a crane, which can cause serious injury, or worse.

Another option is unloading by forklift truck but as the pipe's centre of gravity is not at the mid-point due to the pipe design, incorporating a heavier socket end and a lighter spigot end, the potential for unbalanced lifting is ever present.



Saint-Gobain's aim therefore was to develop a solution which did not require on-site staff to be involved in the unloading process and also did not require personnel access to the trailer bed during unloading.

The result, developed by Kevin Gundel of Mansfield-based Gundel Transport, a major logistics supplier to Saint-Gobain PAM UK, is an unloading boom, fitted to the centre of the trailer bed, which can be operated remotely from ground level by the driver and, through use of a variety of fittings, can unload single pipes, pipe bundles and pallets.

On arrival at the site, the driver sets an exclusion zone, straps the control pad to his waist and unloads the pipes. For individual pipes, the boom incorporates a mechanism which locks into the end of the pipes. The reach of the boom – up to

13 metres - allows it to unload from other vehicles as well – a major bonus if a large delivery of pipes has taken place.

Graham Thomas, Stockground Manager at Saint-Gobain PAM UK, explained: "We were keen to ensure that we were doing all we could to optimise health and safety in the pipe unloading process.

"Developing a standard loading configuration so that customers know in advance what to expect is making life far easier when pipes arrive on-site, while the unloading boom is a simple design with one-man operation which eliminates the need to work at height.

"It is highly flexible too – the lifting attachment can be easily changed without any lifting, meaning single pipes, bundles and pallets can be quickly and easily removed and placed safely where required on-site.

"Already we are seeing increased demand for the unloading boom from our customers who are attracted by its cost-effectiveness compared to cranes and the fact that their own staff need no longer get involved in the unloading process."

This unique unloading process is only available from Saint-Gobain PAM UK.

For more information visit www.ukstt.org.uk

TT-UK/TT MIDDLE EAST presents BURSTFORM

At the first Underground Infrastructure Middle East Conference held in Bahrain from 18 – 19 January, TT-UK/TT Middle East presented for the first time in the Region their NEW Burstform, Tight in Pipe Trenchless renewal pipe system.



Burstform in operation using the advanced QuickLock rod technology

Burstform is a deformation unit, which deforms the circular high quality PE 100 pipe into an oval shape and allows the pipe to be pulled around two 90 degree bends from the surface into the manhole and from the manhole into the host pipe using the advanced QuickLock rod technology. Before the pipe enters the host pipe a reshaping mechanism forms the pipe back into a circular pipe. This process avoids the expensive pipe launching pit.

The technical paper was presented by Daniel Toms to a receptive audience including high ranking officials from the Bahrain Ministry of Works and the Bahrain Society of Engineers.



For more information visit www.ukstt.org.uk

Revolutionising Electro Fusion and its information interface.

Electro-Services Ltd is excited to announce the launch of its new, completely 'in-house manufactured, Electro-Fusion Control Box, the MultiFuse+. The new robust, reliable and cost effective unit is set to truly revolutionise Health & Safety, Joint Integrity, Information availability and Machine Security, in a way that has never before been seen in the Electro-Fusion industry.

The control box is fitted, as standard, with an integral GSM/GPRS modem, which utilises a SIM card to facilitate data transfer directly to an FTP server.

Using this, the very latest in GPRS modem technology, allows users to 'dial in' via the internet through a secure network to download information. Advanced bespoke reporting software, developed in-house, means that, at the touch of a button via the internet or simply by using the text messaging option, various report criteria are immediately available. This control box is currently believed to be the only unit on the market featuring this facility and eliminates any need to actually visit a site just to download information.

Data Storage and information interrogation could also not be

easier. By means of a simple coded text to the designated controller, all data can be interrogated allowing any joint failure, operation error, joining parameters and equipment performance to be monitored, thus keeping supervisors and managers continually up-to-date with joining integrity as well as monitoring project progress and facilitating quality traceability.



The control box utilises the robust high specification construction standard that has become synonymous with the company's E3000 Electro-Fusion range.

For more information visit www.ukstt.org.uk

One of the new unit's major improvements is the addition of an IP67 rated metal fascia, which

is both damage resistant and completely water tight. Yet, whilst making the system ultra robust, it still offers a simple user-friendly, large button keypad. (Insert picture)

TA Drilling appointed as Scandinavian No Dig dealer for UK



Scandinavian No Dig are pleased to announce the appointment of TA Drilling as their exclusive dealer for the United Kingdom and Ireland.

TA Drilling will be offering the complete range of 'T Series' statics pipe bursting

equipment from the T45 (45 metric tonne) right through to the T400 (400 metric tonne) models.

All models come as standard with 'Positive Lock', making these 'bursters' some of the safest in the

market.

TA Drilling offer comprehensive product support and service from their head office in the South East and regional offices in Barnsley, Chesterfield and Ireland.

The addition of the T series bursters compliment s TA Drilling's extensive range of trenchless equipment which includes Astec Underground American Augers, Directional Drills, Melfred Borzall Down Hole tools, Drill Rods, Drilling Fluids & Sharwell hard rock tooling as well as Moles & Guided Auger Boring Machines, all supported by Digitrak location equipment.

For more information visit www.ukstt.org.uk

Continued Achilles success for Ferro Monk

Ferro Monk Systems, the leading wastewater asset and pipeline rehabilitation specialist is pleased to announce it has been awarded excellent scores for the second year in succession by leading supplier management services organisation, Achilles, under their Verify programme.

The Utility Vendor Data Base (UVDB) Verify audit and assessment service focuses on risk critical issues and provides demonstrable compliance to Safety, Health, Environment and Quality requirements. It provides independent assessment and benchmarking; credibility in the market place and industry specific assessments. All of which can lead to a significant reduction in the time and effort required to pre-qualify for contracts.

The scheme is regarded by many as the 'Gold Standard' for contracting companies serving

utility companies. All Ferro Monk's scores were well above the industry averages, none being less than 81.4%, with a full 100% being awarded for the implementation of its onsite Quality assessment.

Danny Heffernan, Ferro Monk's managing director commented, "It's a wonderful achievement to achieve such high scores; they highlight the importance we place on our management systems and onsite procedures."

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