



August 2010

Incorporating NO-DIG LIVE Newswire - Issue 2

Exhibition season keeps council members busy

UKSTT council members have been busy spreading the word at various exhibitions throughout the country including the North Wales HAUC show at Bangor, The 'three HAUCs' show at Wetherby and most recently the SEHAUC show at Sandown where the UKSTT stand was generously sponsored by Hampshire County Council.



The next exhibition where UKSTT will be exhibiting to promote the industry in general and our own No Dig Live 2010 show on the 5th – 7th October, is the two day West Midlands HAUC show at Stafford showground on the 14th & 15th

September.

Sincere thanks must go to all the Council members who give their time to support the society by setting up and manning the society stand at any or all of these events.

For more information visit www.ukstt.org.uk

University lecture programme starts to gear up for next year

Discussions are already underway in preparation for next year's programme of undergraduate lectures delivered annually throughout the UK.



Dec Downey

This year UKSTT is also actively encouraging students, particularly those universities where we already give guest lectures and are developing longer term supportive working relationships, to visit free of charge and get first hand exposure to trenchless systems, materials and equipment.

So if you have connections with a particular university and think a free guest lecture on trenchless systems and techniques would be of interest to their engineering or environmental course students then get in touch – we are always keen to increase the society's exposure to the undergraduate world nationally.

For more information visit www.ukstt.org.uk



UKSTT support NJUG at GLA Headquarters



UKSTT chairman, Colin Tickle, past chairman, Russell Fairhurst and Technical Secretary, Peter Crouch were at the Greater London Authority headquarters to hear first hand from Boris Johnson, Mayor of London as he endorsed the launch of NJUG's National Code of Conduct.



UKSTT were there to promote knowledge, use and awareness of trenchless systems, materials and techniques with pull up banners and leaflets as well as Colin having the

opportunity to make a presentation before lunch encouraging delegates to ensure they stayed up to date with their knowledge and did not hesitate to contact the society with any questions concerns or projects. 'If in doubt call us' was the theme and remember, 'any work requires proper preparation and planning to ensure success so allow planning time on projects to ensure options are effectively evaluated before you start on site'.

Pictures from the day can be viewed at: <http://www.njug.org.uk/category/11/pageid/87/> for all to read and learn from".



For more information visit www.ukstt.org.uk

Environmentally Friendly Works

Ferro Monk Systems, one of the UK's leading sewer and pipeline rehabilitation specialists, has recently completed work on Phase 1 of a project on the M180 motorway. The work, which was finished on time and on budget using Ferro Monk's Ferrocement solution, was six figures in value and required the team to pay special attention to the local environment.

Highways Agency culverts under the motorway. The company then completed the work using its own Ferrocement Lining System.

Ferrocement linings are ideal for the repair and renovation of sewers, tunnels and culverts suitable for man entry.

The project involved Ferro Monk Systems paying special attention to the impact the work might have on the local wildlife, as the culverts are connected to fresh water drainage ditches running in and around farmlands that surround the M180, including swans and their nests, voles, fish and much more.

Danny Heffernan, managing director at Ferro Monk Systems, explained: "We had to take considerable care in our approach to the project, because of the close proximity to the local wildlife. We worked closely with both Carillion WSP and the Highways Agency to ensure everything went to plan and nothing was unduly disturbed or harmed."

The successful completion of the work carried out on Phase 1 subsequently led to Ferro Monk Systems completing a Clean and Survey project as part of Phase 2 of the M180 motorway project to a further 8 culverts.

For more information visit www.ukstt.org.uk

Ferrocement being sprayed insitu within the existing corrugated steel culvert. BELOW: Area around portal immediately following lining, showing little impact upon the existing environment



Working with Carillion WSP, the main contractor on site, and the Highways Agency, who commissioned the work, Ferro Monk cleaned and surveyed the 9



New Member Information Welcome to Oxford Plastics Systems Ltd

(Christopher Whiteley) T: 01608 678888, F: 01608 678899 E: chris.whiteley@oxfordplastics.com

Based at Chipping Norton, Oxfordshire, Oxford plastics design, develop and manufacture products to assist in safety at Street Works. These include temporary barriers, signage, trench covers and modular road plates. Our expertise lies in thermoplastic and glass reinforced plastic product design and manufacture. Principally for use in the Civil Engineering industry the products can also be bespoke designs for other Original Equipment Manufacturers (OEMs).

shapes of excavations. These would include security features to prevent unauthorised removal of covers and anti-skid texture, corporate branding and colouring.

We have an in-house test facility for all road plates and trench covers that we manufacture.

We intend to specifically work to develop road plates and trench covers for the Trenchless Industry to ensure that highways and footpaths can be kept open when the site is unattended at weekends and night-time. This will result in

improved traffic flow, reduced disruption to local residents and businesses, and improve safety.

For more information visit www.ukstt.org.uk



Our extensive experience with load bearing covers for use in footway and highway applications can readily be focused on the development of covers for specific sizes and



'A hint of Gizeh in Lennestadt'

Situated on a mountain overlooking the town of Meggen the pyramids in the project can be seen from many miles and will be open to closer inspection by the public from 2010. RAYONEX is based in 3 of the 7 pyramids.



Geothermal energy systems have been used for the heating and cooling in the pyramids as well as the lake and animal enclosure.

To be able to heat the 1300 m² offices and production areas of the Rayonex pyramids, a total of 15 * 50m flat, inclined bores, were installed using HDD technology and equipped with twin U-sondes. The heating load is 32.6 kW. The heating is direct, with no heat exchangers, and directly circulating the sole volume from the pyramids into the mountain and vice-versa. As the area is situated on the filled ground of a disused mining site, a special focus during the bore process was set on boring through water leading horizons, as much as possible. This was intended to increase the high extracting and regeneration performance.

An alternative geo thermal approach was used to heat and cool the other pyramids with a total of 9 * 99m vertical bores installed using a

Geodrill 20 V and twin U-sondes combined with a 25% monoethyleneglycole mixture as the heat transfer medium. The design of the sonde field was made using "Earth energy designer" software with the heating and cooling of the pyramids being controlled from the energy supply station and the 63kW heating pump creating a pleasant climate in all the pyramids.

In addition at the Galileo Park not only are the buildings heated and cooled, using geothermal energy but also the 200 m² pond. Here an innovative compact rig was used to install a shaft on the pond's island, from where ten bores up to 50 m deep were installed radially. Although designed for renewing heating systems in old buildings the compact bore rig only required a small working area and caused little disturbance. Using water inside the coaxial sondes the direct geothermal heating and cooling load is 15 kW.

Including the animal enclosure the Sauerland pyramids are therefore operated with horizontal, vertical and radially installed geothermal sondes, as well as with an air-water heating pump.

For more information visit www.ukstt.org.uk



*** REMINDER * REMINDER * REMINDER *** **All Corporate Members – FREE editorial space**

All 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.

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



NO-DIG LIVE Newsline – Issue 2

5-7 October 2010, Stoneleigh Park

Transport Minister to open NO-DIG LIVE 2010

The organisers have announced that Norman Baker MP, Parliamentary Under Secretary of State for Transport will open NO-DIG LIVE 2010 at Stoneleigh Park, near Coventry on Tuesday 5 October.

Mr Baker will give a keynote address at the first day's Business Briefing seminar on the subject of minimising the congestion and disruption caused by street works, after which he is expected to make a tour of the exhibition. In addition Jon Butterworth MBE, Director, National Operations, National Grid will respond and Les

Guest NJUG CEO will also be speaking.

"This is an excellent chance for the industry to show Government the technology that is available to minimise disruption on Britain's roads. We look forward to a positive exchange of information and an opportunity to present many solutions both at the Briefing session, as well as around the show." comments Colin Tickle, Chairman of the UKSTT.

Norman Baker MP, Parliamentary Under-Secretary of State for Transport



Business Briefings will be held daily from 08.30 on the following topics:

Day 1 – Minimising the congestion and disruption caused by street works

Day 2 – Private Sewer Transfer - where are we now?

Day 3 - Carbon & the environment - accounting for and reducing the site footprint'

The programme is organised by UKSTT and features an impressive line up of industry speakers. To view the full programme, log onto the show website www.nodiglive.co.uk. Registration is free of charge, although places must be pre-booked.

NJUG supports NO-DIG LIVE 2010

The National Joint Utilities Group is the latest industry organisation to lend official support to NO-DIG LIVE 2010. Les Guest, NJUG's Chief Executive Officer told Newsline, "I am delighted to be speaking at the NO DIG LIVE Business Briefing. The number of vehicles on UK roads continues to grow,

together with the ongoing need for essential utility street works. As a result, we must strive to invest in and utilise innovative research to develop improved methods for reducing the impact of works. Minimum-dig techniques are central to this, and the NO DIG LIVE show is a crucial forum for discussing, analysing, and sharing technological developments of this kind."

Around the stands

Here we feature some of the products that will be on show. For more information and to see a full listing of exhibitors, visit the show website www.nodiglive.co.uk

A-Plant – all your equipment needs... one company

At A-Plant, we offer a vast range of equipment available to hire - from plant to traffic control and management, tools to trenchless technology and scissor lifts to accommodation units.

A-Plant has achieved a market leading



position through constant dedication to its customers. Continuous investment ensures that customers are provided with the most comprehensive and modern range of equipment, supported by the highest levels of service in the industry.

For more information visit www.aplant.com or come and see us on outdoor stand 25.

Trelleborg Pipe Seals

Trelleborg, one of the world leaders in supply of systems and materials to the trenchless CIPP industry will be showing new man entry joint seal technology.

Following the success in Singapore and USA also shown are Hat profiles for small diameter pipes and our redesigned inversion drums and portable steam generators. A full range of CIPP epoxy resins for mainline and laterals including our new long pot life epoxy will also be on show. Full technical support and training are also offered. See us on stand 302.



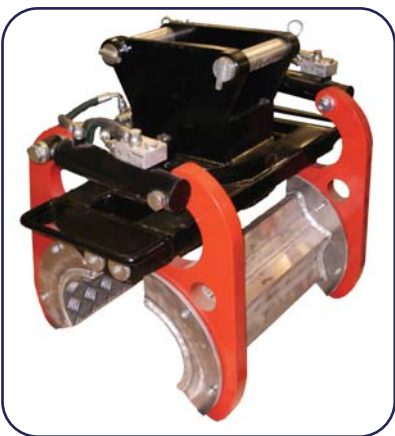
Rotrex Tracked Winch to be launched at NO-DIG LIVE 2010

Rotrex Winches will be showcasing the first all terrain, self-propelled cable pulling winch to arrive in the UK from manufacturers Omac in Italy. A standard 10t pulling capacity twin bull wheel winch has been mounted on rubber caterpillar tracks to give outstanding all



terrain travel capability. A range of all terrain, self-propelled cable pulling winches from 4t to 40t pulling capacity are available, giving many benefits to users. To see this winch in action, visit Rotrex Winches outside stand number 4.

Steve Vick International will be showcasing The Pipe Handler, a device which attaches to an excavator in order to pick up and manoeuvre PE pipe on site. The Pipe Handler is also designed to insert PE pipe into a host pipe quickly and safely. The equipment is attached to the quick hitch or bucket pins of the excavator. The operator is then able, from the safety of the cab, to grip the PE, position it in the excavation and insert the pipe in one straightforward, efficient operation. The current 355mm model can be shelled down to suit a range of PE pipe sizes. Larger and smaller models will be available in the future. See us on stand 310.



NEW LED curing developments from Aarsleff

Aarsleff CIPP lining LED curing is a new development using light emitting diodes to cure Aarsleff CIPP lining. Utilising LED results in more energy saving and efficiency than other light curing methods. In addition the diodes provide fast curing times bringing cost savings to the project. The Aarsleff LED curing equipment also takes up less space and allows restricted access relining. Previously Aarsleff used water and steam to cure all its resin impregnated polyester linings but can now provide this environmentally sensitive method of curing CIPP linings. Aarsleff has three complete, highly sophisticated LED units with more on the way. Visit outside stand 28

TT-UK presents Burstform



Visit outside stand No 1 where TT-UK will present their NEW Burstform, Tight in Pipe Trenchless renewal pipe system.

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.

Jetting equipment performance demonstrated by Ant Hire

The new KEG performance test rig developed by Ant Hire Ltd can show you the actual performance of your jetting equipment and cleaning nozzles. By accurately measuring the real time pressure and flow of your pump, cleaning nozzles can be precisely calibrated giving maximum efficiency and cleaning performance to save you time and money. Pump performance testing and nozzle calibration is now available for all customers purchasing KEG high performance cleaning nozzles. To find out more call Ant Hire on 08456 125 9595 or visit Stand 104.

New Product launch from Drilline and IDS

Drilline Products is an independent supplier of no-dig and trenchless technology with a wealth of experience and expertise and offers the highest level of customer support. Drilline are the UK dealer for IDS, manufacturer of innovative ground penetrating radar systems that are portable, easy to operate on-site and are accurate in detecting and mapping utilities. New for 2010, IDS is launching the STREAM EM, towed array designed for comprehensive GPR coverage over large areas without the need for expensive traffic management. The Detector Duo for instant mark out and the Hi-Mod multi-array mapping system will also be featured. Visit

Dyno Rod unveils the latest technology



Dyno-Rod, the UK's leading emergency drain repair and maintenance specialists, will be unveiling its latest trenchless technology at this year's No Dig live show, as part of an ongoing programme of technical innovation and market development in the business and commercial sectors. In particular, the company will be demonstrating solutions from its range of cured in place linings, repair systems for deformed pitch fibre drains, flexible polyester textile linings for broken pipes and fibreglass and UV-cured resins for permanent replacement of complete sections of pipe. Visit inside stand 210 and outside stand 7.

Insituform Technologies, Inc. invented cured-in-place pipe (CIPP) nearly 40 years ago. Today, Insituform continues to advance the infrastructure rehabilitation industry with its InsituMain™ System, a fully structural, pressure rated CIPP solution suitable for pressure pipelines up to 1500mm in diameter. Engineered to restore existing pressure pipes, the InsituMain™ System withstands internal pressure and external load requirements as well as eliminates leakage and corrosion. Because it's advanced design characteristics allow it to adhere to the existing host pipe, specialty fittings are not required. Visit inside stand 300 or www.insituform.com for more information.



LATEST EXHIBITOR LISTING - Keep up to date with the latest exhibitor listing at www.nodiglive.co.uk

MAKE A DATE TO BE AT NO-DIG LIVE - 5-7 October

- See the unveiling of many new products to be launched at NO-DIG LIVE 2010.
- Attend the FREE breakfast briefing seminars held each morning before the show.
- Keep up to date at the show website www.nodiglive.co.uk

MORE INFORMATION

For full information and to keep up to date with news on the show, please visit the event website www.nodiglive.co.uk For information on exhibiting and space availability contact Paul Harwood or Stuart Hillyard on **0845 0948066**. Email: trenchless@westrade.co.uk