



Newsletter

March 2004

Sewer rehabilitation company wins environmental award

Trenchless technology provides a major benefit to the community and the environment.

The Community Environment Awards are an opportunity to promote environmental initiatives and achievements within City West Water's region and the Service Provider category recognises environmental achievements of contractors who perform works for City West Water Limited.

Kembla Watertech P/L is a specialised pipeline rehabilitation contractor with over 10 years of service to the Australian water industry.

The company has invested considerably in the purchase of innovative technology and in the training of their personnel in order to offer cost effective solutions to critical environmental problems such as deteriorated sewers.

In recognition of this commitment Kembla Watertech P/L was presented the Service Provider Category at City West Water's third biennial Community Environment Awards.



■ Pictured (from left to right) are Anne Barker, Managing Director of City West Water, Peter Hillary (guest speaker, son of Sir Edmund Hillary and also a successful conquerer of Mt Everest) and the Kembla team of Chris Meredith, Alan Sutton, Richard Petterson and Michael Murphy.

The picture above shows Kembla representatives being presented with their award.

The application of this innovative technology, and their training were clearly demonstrated on the Notla Branch Rectification Project.

Project Overview

A CCTV survey of the Notla branch sewer in Victoria St, Altona Meadows revealed numerous cracks in the 525mm VC pipe and some areas where whole sections of pipe were missing. Copious quantities of salty ground water were entering the pipe and this was creating an environmental issue at the treatment plant. As well, there were concerns over the structural integrity of the pipe and a collapse would cause a major environmental incident.

There were a number of factors peculiar to this project:

- The sewer is 10 meters deep.
- Water table is only 1-2 metres below ground level.
- The sewer was constructed in tunnel.
- The sewer runs along a local thoroughfare.

All of these factors combined to present City West Water and Kembla personnel with a unique problem not faced before by either party.

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Sewer rehabilitation company wins environmental award

• From front page

Project Solution

Stage 1: At the broken pipe sections and points of major infiltration, Quicksleeve spot repair sleeves were installed in order to reduce the inflow to manageable levels. Once the major inflows were under control a structural liner could then be installed.

Stage 2: A special Enviroliner tube was designed to suit the depth of these sewers and the pressure applied by the ground water. The thickness of 18mm represented the thickest lining yet installed by Kembla. The design provides for structural rehabilitation of the sewer as well as sealing against inflow and the life expectancy is in excess of 50 years.

Stage 3: Because of the depth of the sewer, bypass of the existing sewer flow was carried out using special electric submersible pumps. These pumps were quiet in operation and caused minimum inconvenience to the local community.

A total length of 560 meters of lining was completed in only 2 weeks. This period of disruption was considerably less than conventional alternatives and represents a major environmental advantage of this technology.

Comments on Project's Success

City West Water's Making Waves magazine reported on this project and stated that "City West Water's use of more effective technology reflects our commitment to improved customer service, safer work practices and reduced impacts on the environment. The Notla branch rectification works demonstrate the benefits of such technology, resulting in only minor disruption to nearby residents and traffic, no excavation of roadways and quick repair times."

Conclusion

City West Water identified the potential environmental impact of this deteriorated sewer and worked with Kembla to provide an effective response. Their acceptance of our proposal and in particular the use of our Enviroliner structural lining system



■ 180m length of liner installed in a 24 hr period



■ 18mm Enviroliner inside a 525mm test pipe.

has resulted in the protection, restoration and enhancement of the environment for the community.

Kembla Watertech developed innovative technology to enable the Enviroliner to be installed under deep conditions so that excavations, with their associated cost and environmental implications, were not required.

The project was completed without a single environmental incident.

This project proved that a partnership arrangement between authority and competent contractor can result in major benefits to the community and the environment.

Article by Alan Sutton

Hoxton Park Microtunnelling project

Sydney Water is preparing for the population growth in south western Sydney and to accommodate this, they are upgrading the existing Liverpool Sewage Treatment Plant and sewage flows from Hoxton Park area.

About 140,000 people are expected to move to the Hoxton Park and Liverpool areas in the coming years. The rate of development in the Hoxton Park area has already increased from 500 lots per year to 1500 lots per year.

This is the first phase of a \$280 million, six year capital works programme that will ensure the requirements for future growth in this area is accommodated.

Part of the project required the installation of pipes under the arterial railway to Sydney. D.J. & M.B MacCormick Civil Engineering were contracted to undertake three drives on the project using slurry shield microtunnelling equipment. This included two twin lines under the major railway of 60 metres each and one drive of 130 metres.

D.J. & M.B MacCormick Civil Engineering has a large selection of Herrenknecht and Iseki tunnelling machines and systems and for this particular project. Based on the ground conditions, they opted for their AVN 1200 Herrenknecht mixed face tunnelling machine and system with 520 to jacking rig.

The pipe chosen for the project was Meyer Polycrrete Sewer Jacking Pipe imported specifically for this project. The microtunnels undertaken were 1800mm in diameter.

Two important factors in the microtunnelling methodology adopted for the project were:

1. Grade on lines was very flat and therefore critical that guaranteed accuracies of 10mm over the drive lengths be maintained.

2. Major infrastructure including railway lines and highways had to be crossed and therefore the client had to be certain the methodology chosen was going to provide them with no ground subsidence or associated issues. Microtunnelling with a closed face, experienced operators and personnel and the ability to continually monitor face pressures from an operational board at the surface were some of the key elements in ensuring the success of the project.



■ Railway line in background, control container in foreground.

Due to the design criteria for the project, the railway crossings were undertaken with minimal cover from the top of the pipe to the railway lines of only 350mm. This in anyone's terms requires specialised skills especially when you consider the pipe being installed was 1800mm in diameter.

To make it more interesting, the crossing had to be done not once, but twice. Due to the major infrastructure above, constant monitoring survey stations were set up to note any changes in surface ground level. Both drives were completed with nil subsidence to ground levels.

For further information on the companies capabilities, refer to www.maccormick.com.au

Article by Don MacCormick



■ AVM 120c Tunnelling machine being placed on jacking rails at launch shaft.

INTERESTED IN ADVERTISING IN OUR NEXT NEWSLETTER?

If so, please book your ad with Jeff Pace on (08) 9420 2826, email: jeffpace@astt.com.au or contact Michael Boyce on (08) 9382 8222, email: mboyce@mediahighway.com.au for the production of your ad.

Advertising Rates

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*Production ~ \$50

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Space ~ \$600

*Production ~ \$100

Full page ad

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Space ~ \$1000

*Production ~ \$200

* PLEASE NOTE 10% GST is applicable on Production of advertisement.

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TunnelTEQ System for Wellington

New Zealand based TunnelTEQ recently supplied a 1500 NB micro tunnelling system to Harker Underground Construction for the Wellington City Storm Water Upgrade project. Harker won the contract to install the storm water pipes under Harris and Victoria Streets in central Wellington where the TunnelTEQ machine is now being put to work.

According to Leigh Bishop, site manager for Harker Underground, the job entails installing a 1500 pipe to run in parallel to the existing 1200 pipe. The city council chose Trenchless Technology due to the large amount of existing underground services in the CBD. For example, just 800mm to the side of the launching shaft are 35 ducts containing optical fiber. The cost of relocating services to make way for open cut would have been prohibitive. In addition, key objectives of the project was to keep noise levels acceptable and traffic in the CBD flowing. The footprint of each site is being kept to a minimum to allow both vehicular and pedestrian traffic to flow around the site.

Ground conditions vary from rock (up to 50 MPa); to sandy soils and gravels. Due to the job location being close to the ocean, the water table is very high. Micro tunnelling offered the ability to handle the wide range of ground conditions and also the presence of large amounts of ground water.

The complete system including boring head, jacking system, control room and slurry separation plant was designed and manufactured by TunnelTEQ in its factory near Auckland. According to Bert Fourie, designer of the system, the boring head is hydraulically driven with 180 kNm torque at 7.5 rpm, or 360 kNm at 3.5 rpm. Maximum speed is 10 rpm. The main hydraulic supply pump is driven by a 160 kW, 1000V motor. The use of 1000V limits the voltage drop and allows a lighter cable to be used for longer drives.

Slurry is circulated through 6" lines to the water treatment plant. "We have elected to go for a high flow rate to prevent possible blockages and installed high pressure water jets at strategic locations," Fourie says.

Progress was initially limited by hard material which turns into silt as soon as it is mined and mixed with water. "Our system was brilliant at taking out even very fine sands, but the centrifuge could



■ 1500NB microtunneller used on Wellington City Storm Water upgrade.

not cope with all the silts and we ended up adding drilling mud and other soil modification agents to bring the cuttings out better. With clean water we achieved advance rates of 10 to 15 mm/min. This increased to 35mm/min with the additives. Since then ground conditions have changed and we have seen boring rates as high as 50 to 60mm/min without any additives to the water. The advance rates are expected to increase further as we encounter softer ground," says Mike Harker, General Manager of Harker Underground Construction.

According to Bert Fourie the latest machine is the fifth in their fleet. "We now have machines covering the range from 600mm to 3m diameter, including three micro tunnelling systems." He says TunnelTEQ aims to be a one stop solution, able to provide complete micro tunnelling systems as well as the operating expertise. One of the benefits of the TunnelTEQ machines is their ability

to work with a range of soil types and underground water pressure.

"Tunnelling can be a risky job at the best of times. Our design philosophy is based on two overriding factors, flexibility and reliability. Flexibility is about having different options, such as ways to circulate slurry through the machine, water jets at strategic locations or having more torque up your sleeve for the day you get stuck. I am constantly playing what-if scenarios in my head while designing the equipment. Reliability, well it is what it says, and in our industry it is a keyword," says Fourie.

TunnelTEQ is a joint venture company set up between the Harker family and Bert Fourie. In addition to building new systems, their existing equipment is available for lease. Bert Fourie or Mike Harker can be contacted via their website at www.tunnelteq.com

Article by Bert Fourie



■ Slurry separation tank.

Brisbane Domestic Airport

300mm RISING MAIN REPLACEMENT – OCTOBER 2003

Brisbane's very busy domestic airport, under the management of the Brisbane Airport Corporation has a network of sewer mains around the airport facilities.

One of these mains, a 300mm P.V.C. rising main, is located under the main roadway entrance to the airport passenger terminals. This main was laid in reclaimed land fill about 10 years ago and in recent years has failed on numerous occasions and repaired using internal patch repair and external gibault joiners. Previous repairs of the pipe had proven to be unsuccessful, and so the possibility of using the pipe bursting method was explored by the airport authority. Pipe Bursting provided a solution that would install a new pipe under the road while maintaining airport operations.

Ipswich Water was awarded the tender to replace the rising sewer main by the Pipe Bursting technique and used a Grundoburst 800G Hydraulic Pipe Burster recently purchased by Tyco Water from TT Asia Pacific Pty Ltd. The project involved the installation of 65 metres of 355mm HDPE pipe. The Grundoburst machine, built in Germany by Tracto-Technik was chosen for its compactness and yet very high strength - 80 ton pull back, ideal for this project. The QuickLock rods, a notable feature of the Grundoburst machine, made for easy connection and disconnection, even in difficult conditions.

Difficulties were encountered with dewatering and sand control in the pits, while setting up and working the pipe bursting machine at the pipe depth of 2.8 metres. When pulling the expander and replacement pipe, the tri-blade burst head cut through the old PVC pipe and internal repairs while the expander squeezed out the old pipe fragments into the surrounding ground. The gibault repair joiners collected in front of the expander and ended up back at the machine when completed. The first 55 metres took 40 minutes to complete.

The project was completed within the scheduled time frame with the new pipe installed and connected.

Ipswich Water have been using a Grundoburst 400G (40 Ton) machine for the last two and a half years and were



■ Brisbane Airport and the 800G in the dewatered excavation.

very impressed with the 800G machine, not much bigger than their 40 Ton machine, yet twice as powerful. Ipswich Water have now decided to add the Grundoburst 800G to their fleet of equipment for pipe rehabilitation work.

TT Asia Pacific had been involved from the beginning of this project assisting with machine and tooling selection through to providing some of the special accessories and finally with on site support during the pipe bursting process.

The satisfaction that comes from completing another successful trenchless technology project is boosted by the knowledge that no disruption to airport activities or the terminals busy vehicular and pedestrian traffic flow occurred during the project.

Currently, there are Grundoburst 40 ton machines working in Qld, NSW, and Victoria. Grundoburst 400G Pipe Bursting machines have entered the busy Hong Kong region and are working on large refurbishment programs. Grundoburst 800G (80 ton) machines are already working and producing successful results in the Asia Pacific Region in China, New Zealand and Australia with delivery of a Grundoburst 1000G (100 ton) unit to Beijing, happening in mid February.

For further details on this or other trenchless technology equipment contact Peter or Tom at TT Asia Pacific 07 5561 4999, fax 07 5561 4900 or email info@tt-asiapacific.com

Article by TT Asia Pacific



■ 800G ready to pull in pipe.



■ 420mm expander and the 350PE pipe being pulled into the pipe.

Coe Drilling successfully complete



In Early 2003, Clough Engineering Limited awarded the HDD Shore Crossing Subcontract to Coe Drilling on the Origin Energy BassGas Project.

The BassGas Project will bring the first alternate gas supply into south eastern Australia since the Gippsland gas fields were developed over 30 years ago.

The Project will commercialise natural gas, LPG and condensate from the Yolla field, located 147 kilometres from Kilcunda in Bass Strait. The gas from the field will meet 10% of Victorian gas demand for 15 years.

The Project is a Joint Venture partnership between Origin Energy as Operator (37.5%), AWE (30.0%), CalEnergy (20.0%) and Wandoo Petroleum (12.5%).

The work involved the installation of a shore crossing at Kilcunda in Victoria by way of Horizontal Directional Drilling (HDD).

The scope provided by Coe included the fabrication of the gas pipeline onshore behind the HDD Rig Spread. The methodology proposed by Coe for the installation of the pipeline was the forward thrusting method. This method involves installing the pipeline by pushing the product into the preconditioned borehole, unlike the conventional method of pulling from Offshore.

Detailed project engineering and design was required to satisfy the client and to confirm that the proposed methodology could achieve a successful installation of the product pipe.



■ Mitchell Oil & Gas Pty Ltd carried out the Pipeline Welding operations. The pipeline string was prefabricated and field joint coated behind the drill site in preparation for installation by the coedrill 550 pipe pusher. Photo: E. Foley.

Work commenced on site with the fabrication of the 1477m long Nap-rock Coated DN355.6mm x 14.3mm wt API 5L X 65 Pipeline. The pipeline was welded and field joint coated with CeramGard HBE-95 prior to the pre-installation Hydrostatic testing of the completed pipe string.

Drilling operations commenced in early July using the Coedrill 550 drilling spread.

The Pilot hole was drilled with a 9 7/8" TCI Bit and a 6 3/4" Mud Motor using a conventional Magnetic Guidance System.

The ground conditions consisted of mudstone overlying sandstone of varying consistency. The rock strength was varied, but was of mainly medium-high strength. The highest unconfined strength of the rock was 142 MPa.

The formation overlying the HDD Exit consisted of Sandy Clay and Sandy Silty Clay.

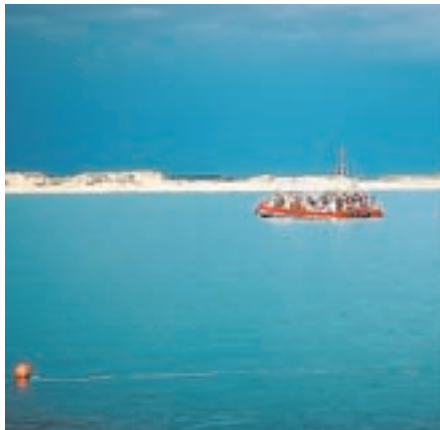
Due to environmental and technical constraints on the project, Coe proposed to complete the Pilot Hole in Several Stages. Stage 1 was to drill the Pilot Hole a distance of 940m, terminating just beyond the sandstone formations.

During this pilot hole stage, 100% of drilling fluid returns were kept for the duration of the operation.



■ Coedrill 550 pipe pusher.

BassGas HDD shore crossing



■ Marine Support was provided by Global Offshore.

Following the completion of Stage 1, the hole was enlarged to a diameter of 20" using standard industry tooling used for forward reaming. On completion of the forward reaming operation in this stage, the pilot hole was completed to the offshore location. The remainder of the pilot hole was forward reamed and prepared for product installation.

Once the borehole had been completed the drilling assembly was withdrawn and the CoedDrill550 Pipe Pusher was mobilised to site. The CoedDrill550 Pipe Pusher had been designed and built in Coe's Gold Coast engineering facility specifically for the BassGas project.

The pipeline installation operation was

completed in two stages; the first stage was to install the pipeline to a position beyond the offshore HDD exit hole until suitable conditions existed for the marine support vessel to work. During the first stage of the installation operation sea swells between 3-5m were experienced.

Once the offshore barge was mobilised and moored, a method of assisting the pipeline by winching from the barge in conjunction with the CoedDrill550 Pipe Pusher thrusting from Shore positioned the pipeline some 355m beyond the HDD exit hole in water depths of 22m

After gauging of the installed pipeline was achieved, it was rigged to a pre set anchor and flooded to stabilise the pipeline against the prevailing Bass

Strait sea conditions. The borehole exit of 3° was achieved successfully.

On completion of the stabilisation, an ocean survey was completed to verify the pipelines sea bed stability.

The ultimate success of the HDD Shore Crossing at Kilcunda by Coe will no doubt lead to many opportunities for other Shore Crossings in the future utilising the highly versatile CoeDrill550 Pipe Pusher.

STATISTICS

Owner: Origin Energy

Main Contractor: Clough Engineering

HDD Shore Crossing Subcontractor: Coe Drilling Australia

Location: Kilcunda, Victoria.

Pipe string Length: 1477m

Pipe Spec:

55.6mm 14.3mm wt API5L X65

Coating: Naprock

Joint Coating: Cerumgard HBE-95

Welding Subcontractors:

Mitchell Oil & Gas

Offshore Support Subcontractor:

Global Offshore

Coe Drilling Australia Pty Ltd

11-13 Gibbs St

Labrador QLD

Australia 4215

Phone +61 7 55 737 692

Fax +61 7 55 737 381

<http://www.coedrilling.com.au>

Article by Eamon Foley

Members are reminded that they may contact their local Councillor to discuss ASTT matters. Local Councillors are:

WESTERN AUSTRALIA

Mr Ken Walter

Phone: (08) 9420 2479

E-mail: ken.walter@watercorporation.com.au

VICTORIA

Mr John De Grazia

Phone: (03) 9235 2574

E-mail: John.DeGrazia@melbournewater.com.au

SOUTH AUSTRALIA

Mr Tom Galek

Phone: (08) 8207 7703

E-mail: Tom.Galek@sawater.com.au

NEW SOUTH WALES

Mr John Monro

Phone: (02) 9636 0141

E-mail: jmonro@ozemail.com.au

QUEENSLAND

Mr Andris Krumins

Phone: (07) 3403 0238

E-mail: mpe@brisbane.qld.gov.au

TASMANIA

Mr Graeme McArthur

Phone: (03) 6323 3225

E-mail: Graeme.McArthur@launceston.tas.gov.au

NORTHERN TERRITORY

Mr Ian Wight

Phone: (08) 8924 5247

Email: ian.wight@powerwater.com.au

NEW ZEALAND

Mr Grant Binns

Phone: +64 6 356 5557

E-mail: binns@blackley.com.nz

TT Asia Pacific competition winner drawn

TT Asia Pacific has been running a competition over the last six months for clients who have their Tracto-Technik machines serviced or repaired at their Arundel complex at the Gold Coast.

Entrants in the competition were allocated a number which would go into the draw for a trip to "Bauma", the world's largest machinery show, to be held in Munich, Germany in April 2004. As numbers were allocated per machine, many customers had two or more machines serviced during the competition period thus increasing their chances of taking out this prize.

As an ASTT member, TT Asia Pacific approached the ASTT Queensland Councillor, Mr Andris Krumins, to officiate at the draw. Andris was only too happy to oblige and along with Paul Belz of Brisbane Water, drew the winning envelope, which contained the number 9. This number belonged to Mark Spence of Spence Contracting in Mt Isa. Mark had his Grundomat serviced at TT Asia Pacific and was impressed with the prompt service and attention he received. Spence Contracting has been operating in Mt Isa and surrounds for some years.

Peter Decker, National Sales Manager for TT Asia Pacific, then notified Mark of his win. Mark and his wife, Kym, who is planning on accompanying Mark, are now in the process of organising the trip. "This is the first major prize I have won in my life" said Mark, when he was contacted about his win.

The "Bauma" world Machinery show will be even larger this year with the Mining Section now being included. The show is held every three years, always in Munich, and runs for seven consecutive days and covers a huge area with a combination of inside and outside displays of the latest machinery and technology. The Tracto-Technik Group will have all the new product releases on display at their stand and staff will be on hand to assist customers with advice and information on these or any of the existing Tracto-Technik products.

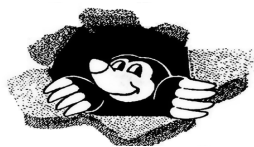
Congratulations to our winners, Mark and Kym Spence, TT Asia and the ASTT wish you a safe, memorable and happy trip. Bon Voyage!!

Article by TT Asia Pacific



■ Peter Decker congratulating the winner, Mark Spence and his wife Kym.

Announcing the competition for 2004



Win
\$5,000
of TT Products



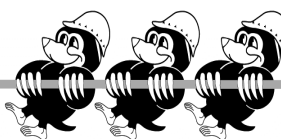
TT ASIA PACIFIC are doing it again in 2004!!

**HAVE YOUR TRACTO-TECHNIK MACHINE
SERVICED, and/or REPAIRED AT OUR PREMISES
IN ARUNDEL AND BE IN THE DRAW TO WIN TT
PRODUCTS/ REPAIRS OR SERVICING TO THE
VALUE OF \$5,000**

***This competition will close 5pm 30th October, 2004,
With the winner being announced 1st November, 2004***



**CALL PETER OR BILL ON (07) 5561 4999
TO ORGANISE THE SERVICE OF YOUR MACHINE**



For further information contact TT Asia Pacific Pty Ltd, by phone 07 5561 4999
or email: info@tt-asiapacific.com

Prize is Tracto-Technik products only, or repairs and servicing to be carried out by TT Asia Pacific to the value of \$5,000. The prize is not transferable and cannot be redeemed for cash or other non TT products. Entry in the draw will be on the basis of one entry per machine, multiple entries are permitted.

Excellent results in rehabilitation of Concord submain

Trenchless technology has been used to rehabilitate a sewer submain section in Concord, Sydney, which was constructed in 1935.

The work, completed last November, was conducted by Interflow Pty Limited under contract for Sydney Water.

The 560m long section of 915mm diameter reinforced concrete section had deteriorated as a result of hydrogen sulfide gas attack. The Rotaloc system, a structural liner developed by Adelaide based company Rib Loc, was used.

The system installs a liner using a machine that spirally winds a single strip of uPVC profile. The profile edges, with built-in interlocking channels, are locked together by the rotating arms of the machine as it travels along the inside of the pipeline. The hydraulically operated arms can alter the diameter of the liner as variations in the diameter of the host pipe are encountered, thus installing the largest possible liner that can fit into the deteriorated pipe, according to Interflow.

The system, remotely operated from above ground using CCTV cameras mounted on the machine, is designed to provide an as-new pipeline, rather than a repair to the existing pipeline. It takes all loads from soil, groundwater and live loads assuming the host pipe has no remaining strength.

As well as structural rehabilitation of the pipeline, the contract also required the epoxy mortar lining of six existing maintenance holes (MHs) which were also suffering from gas attack.

The submain was originally constructed with four tight-radius bends ranging between 89 and 108 degrees, without a MH at any of the deviations. As lining systems are generally designed to line relatively straight pipelines, Interflow proposed to solve this issue by constructing new MHs at two of the bends and lining the remaining bend sections with high-strength epoxy mortar.

However, Interflow carried out a trial on the first bend section and found that the Rotaloc system could negotiate such



■ Need a caption to go with this pic.

bends, by leaving very small exposed fillets of pipe around the outside of the bend at approximately 1.5m intervals, which were epoxy mortar lined later on. This avoided the construction of additional MHs and resulted in a close-fit structural liner through the bend sections.

The work was carried out during six-hour working windows each day in dry weather. Interflow said it would typically install almost 80m of pipeline during each window.

The entire contract was completed on budget within eight weeks, more than five weeks ahead of schedule.

Article by John Monro and Daniel Gamboa

SANWA HORIZONGER MICRO TUNNELLING MACHINE

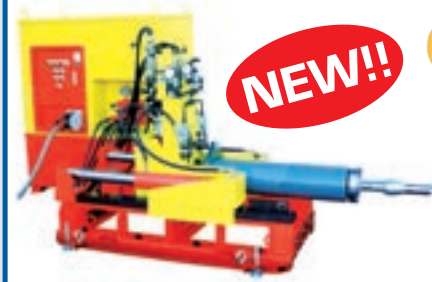
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Stop Press

6th National ASTT Trenchless Conference

Planning for the 6th National Conference and Exhibition is well and truly underway with a constant stream of enquiries now being received by the Conference organisers, ICE Australia. The dates for the Conference are 27 to 29 September, 2004 and the venue will be the Melbourne Convention and Exhibition Centre

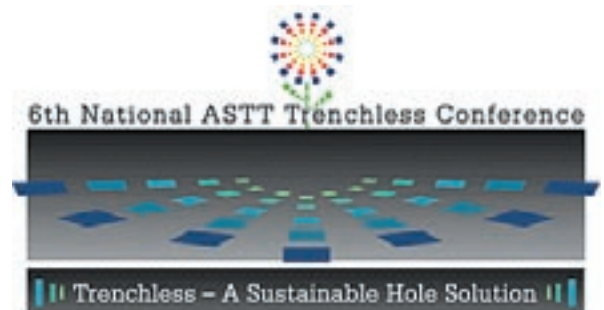
ICE Australia has created a dedicated website for this event. Direct access to this site can either be from the ASTT website, refer or directly using the conference address of <http://www.iceaustralia.com/trenchless/>

Work is also well advanced on the production of the "Invitation to Sponsor and Exhibit" document that will be available for distribution shortly. In the past we have had a fabulous response from our member base for sponsorship, and we are confident that we will once again be inundated with enquiries. We are confident because this year we are offering exceptional value for money in all the various ranges of sponsorship categories.

There is still time for submission of abstracts for a paper presentation, but be quick as time is running out.

The interim program for this years Conference is as follows:

- | | |
|--------------------------------------|---|
| Monday 27th September 2004 | Exhibit bump in
Registrations
Workshops
Demonstrations
Site visits
Golf day
Welcome Cocktails |
| Tuesday 28th September 2004 | Full day conferencing
Full day exhibition
Annual General Meeting
Conference Gala Dinner |
| Wednesday 29th September 2004 | Full day conferencing
Full day exhibition
Exhibit bump out |



For all your enquiries, please contact the Conference Organisers, ICE Australia on (03) 9885 7253 and they will be only too pleased to assist you.

Events

AUSTRALASIAN SOCIETY FOR TRENCHLESS TECHNOLOGY

ABN 43 893 870 966

Recent Changes	Structure	Membership	New Installations
Trenchless Technology	Events	Feedback	Renovations
Newsletter	Trenchless Guidelines	ASTT Constitution	ACM Minutes
Member Services	Role & Profile	Trenchless Report	Strategic Plan

Just click on a button!

Background of ASTT

Secretary's Corner

What's been happening

Outstanding Membership Fees

Late last year some 200 Membership renewal Invoices were posted out to the members with payment for this year due on January 1. To date there are still some 60 membership renewals that are outstanding. The chasing up of these outstanding membership renewals is extremely time consuming and expensive to all of us especially as the ISTT Affiliation Fee payment is based on the number of members, financial or otherwise that are on our books as at the end of March each year. In other words, financial members end up subsidising those that do not pay on time or indeed at all. We are endeavouring to keep the membership fees down to cover the costs of all the activities outlined with the Business Plan, so please help if you fit into this category.

It is vital that any cancellation of membership is received now, otherwise we pay the ISTT regardless of the outcome of chasing up outstanding payments.

Payments can be made either by posting your cheque to the ASTT office or you can pay directly into the Bank via a direct debit.

As far as direct debits to the ASTT bank account is concerned, this method of payment is becoming extremely popular with our members. There are however a few instances where the deposits are made, but there is no details as to who actually made them on the bank statements. This means that there are a few members that are financial, but as far as I can ascertain, they are not. Should any member that believes they may fit into this category want to contact me to clarify this issue, then please e-mail me and provide the details of the banking, ie amount and date banked.

Trenchless Asia 2004

The ASTT will begin its Brisbane International NO-DIG 2006 marketing campaign by exhibiting at Trenchless Asia 2004. All members are encouraged to attend the Conference and Exhibition in Shanghai from 20 - 22 April 2004.

There is still an opportunity to exhibit at this event and take advantage of the discounts that the ASTT has managed to negotiate with the Westrade Group.

The conditions for the discount are as follows:

- ❖ ASTT will reimburse 10% of the total fee paid to the Conference organisers, Westrade in accordance with the published rates. This will be reimbursed once ASTT receives its Agent's Commission from Westrade.
- ❖ The published rates are US\$380 per square metre for a shell scheme, US\$350 per square metre for open space.
- ❖ All Exhibition shell and or space costs to be paid directly to Westrade.
- ❖ The minimum space only requirement is 20 square metres.
- ❖ The minimum booth size shall be 9 square metres and will include the following: Furniture and electrical packages consisting of (white walls, carpet, name panel, furniture package comprising a table and 2 chairs, waste bin, 2 spotlights, 1 only 13amp/220 volt single phase socket.

If your company wishes to be part of an Australian/New Zealand contingent and agrees with the terms listed above, then please contact me by e-mail jeffpace@astt.com.au and I shall discuss the matter with you. Additional information can be obtained by visiting the Conference website. Refer: <http://www.westrade.co.uk>

ENVIRO 2004 Conference and Exhibition - Sydney

The ASTT will be exhibiting at the Enviro 2004 Exhibition that will be held in the Sydney Exhibition Centre, Darling Harbour over March 29 to 31. The ASTT booth is numbered e221 and I hope to see some of you there.

Business Objective - Training and Education

"Develop and educational package on the fundamentals of trenchless technology suitable for tertiary institutions"

In April 2000, the ASTT commissioned Professor Jonathan O'Brien, Senior Lecturer in Civil Engineering from the School of Civil and Environmental Engineering of the University of New South Wales to develop undergraduate teaching material package for trenchless technology. This package has now been developed and our Councillors are in the process of distributing it to the various tertiary institutions across Australia and New Zealand.

I am delighted to be able to report that The University of Tasmania will most likely be including this resource material in the final year unit KNE414 Construction and Asset Management. A special congratulations goes out to Graeme McArthur, the Tasmanian Councillor for facilitating this achievement.

Business Objective - Training and Education

"Achieve nationally recognised Standards for competency in HDD"

Work will also be commencing on the development of the training packages that underpin the Trenchless Competencies that were developed by the Civil Contractors Federation (CCF). We are hoping that the full range of training material will be ready in time to officially launch at the 6th ASTT National Conference and Exhibition, Melbourne in September.

Acknowledgement of ASTT Corporate Members

A.J. Lucas Contracting Pty Ltd

AB Equipment

Airpipe Pty Ltd

Austeck Pty Ltd

Australian Mud Company Ltd

Australian Pipe Relining Pty Ltd

Autex Industries Ltd

Bothar Boring

Brisbane Water

BTB Australia

C.S.R. Humes Limited

Cable Layers WA Pty Ltd

Christchurch City Council

City West Water Ltd

Coe Drilling Australia Pty Ltd

Collex No-Dig

Connell Wagner Pty Ltd

David Moss Corporation Pty Ltd

Delta Contracting Services

Derby Rubber Products Pty Ltd

Ditchwitch Australia c/- Batequip Pty Ltd

Diversified Services Australia

Energy Australia

GHD Pty Ltd

Hobart City Council

Hunter Water Corporation

Infrastructure Constructions

Interflow Pty Ltd

Iplex Pipelines Australia Pty Ltd

Iplex Pipelines New Zealand

Ipswich Water

J.B. Sales International Pty Ltd

JB Pipeline Services Ltd

Kembla Watertech Pty Ltd

Lely West - Vermeer

Logan City Council

Main Roads Western Australia

Manukau Water

Murrays Earthmoving Pty Ltd

Napier City Council

North Shore City Council

Nuplex Structural Resins

Perma-Liner Industries Australia Pty Ltd

Pezzimenti Laserbore Pty Ltd

PIHA Pty Ltd

Pipe Shield Pty Ltd

Quinn Civil Pty Ltd

Rib Loc Australia Pty Ltd (SA)

Rob Carr Pty Ltd

Rod Davies Infrastructor

Rowland's Underground Technology Pty Ltd

SA Water

Sinclair Knight Merz

South East Water Ltd

Standard Roads (Const) Pty Ltd

Sydney Water

Tenix Alliance Pty Ltd

Thiess Environmental Services Pty Ltd

Trenchless Contracting Pty Ltd

TT Asia Pacific Pty Ltd

Tunnel Boring Australia Pty Ltd

TunnelTEQ

Tyco Water Pty Ltd

Underground Envirotech Australia

Underground Services Australia

Vermeer Sales & Service Qld Pty Ltd

Vinidex Pty Limited

Water Corporation

Watercare Services Ltd

Webb Excavations Pty Ltd