


TRENCHLESSWORKS

THE VOICE OF THE TRENCHLESS COMMUNITY

ISSUE 203 JULY 2023

Official Magazine & Media Partner:  **KSTT**

Official Publication of the International Society for Trenchless Technology



A BREAKTHROUGH SOLUTION FOR LARGE-SCALE SEWER REHABILITATION PROJECTS

SPONSORED BY:
TRACTO





RSM Lining Supplies
CHOICE AND TECHNOLOGY



+44 (0)330 043 9604
sales@rsm-web.com
www.rsm-web.com

Scan the QR code to register!

OPEN DAY SEPTEMBER 2023

WHEN? Thursday 7th September 2023

WHERE? RSM's Head Office, Doncaster, DN4 8GE

WHO? Key figures within the CIPP industry

LIVE DEMONSTRATIONS | NEW PRODUCTS
NETWORKING | TECHNICAL PRESENTATIONS
FACILITY TOURS | SPECIAL OFFERS
REFRESHMENTS



**EVENING
ENTERTAINMENT
FROM JUDGE JULES!**

CONTENTS

To submit editorial for Trenchless Works next issue please email copy and images to: editorial@trenchless-works.com by the 12th of the month. Submissions arriving after this date cannot be guaranteed inclusion in that month's issue. For Trenchless Works sponsorship and advertising rates please email tdorrell@westrade.co.uk

ARTICLE	PAGE	SUPPORT EQUIPMENT	
SPOTLIGHT	5	VARIED SEALING PROJECT ACROSS THE UK	36
INDUSTRY COMMENT		ASSET MANAGEMENT	
SAFER EXCAVATIONS	6	SUCCESSFUL LONG RANGE PIPE INSPECTION PROJECTS IN HONG KONG	40
NEWS		ISTT SOCIETY NEWS	
VERMEER VIKING ACQUIRED BY DEBE FLOW GROUP	9	A MESSAGE FROM THE CHAIR	44
VERMEER LOOKS TO THE FUTURE AFTER 75 YEARS	10	ISTT EDUCATIONAL WEBINAR	45
TRACTO CELEBRATES 40 YEARS IN THE UK	12	UKSTT SOCIETY NEWS	
STANTEC TO DESIGN THE QUEENSWAY SEWER AND WATERMAIN PROJECT	15	WELCOME FROM THE CHAIR	46
SVI LEADERSHIP TRANSITION	17	UKSTT MEMBERSHIP SERVICES SUB-COMMITTEE REPORT	48
RSM'S OPEN DAY BACK THIS SEPTEMBER	19	UKSTT TECHNICAL & EDUCATION SUB-COMMITTEE REPORT	49
RSP UK DIRECTOR WINS INAUGURAL TITLE	22	GLASGOW NO-DIG ROADSHOW 2023	50
S1E HOSTS MEET AND GREET OPEN HOUSE DAY	23	JOIN THE UKSTT	51
PIPELINE REHABILITATION		TECHNICAL ENQUIRY SERVICE	52
A BREAKTHROUGH SOLUTION FOR LARGE-SCALE SEWER REHABILITATION PROJECTS	26	NASTT SOCIETY NEWS	54
GETTING ON THE SAME WAVELENGTH	29	EVENTS AND MEETINGS	57
US TECHNOLOGY AIDS ISRAELI SLIPLINING PROJECT	31		
SUCTION EXCAVATION			
MAMMOTH UTILISES STREICHER POWER	35		

Paul Harwood, Publisher
pharwood@westrade.co.uk

Ian Clarke, Editor-in-Chief
editorial@trenchless-works.com

Austen Lees, Editorial
marketing@westrade.co.uk

Gary King, Group Sales Director
gking@westrade.co.uk

Stuart Hillyard, Sales Manager
shillyard@westrade.co.uk

Leigh Abbott, Group Marketing
Manager
labbott@westrade.co.uk

Ioan Lucian Sculeac, Design &
Production
lucian@westrade.co.uk

Lexi Di, Chinese Agent
lexi.di@bestexpo.cn

Trevor Dorrell, Sales Director
tdorrell@westrade.co.uk



Trenchless Works is published 12 times a year by Westrade Group Ltd | Carotino House | Bury Lane | Rickmansworth | WD3 1ED | UK

Contributions: Contributions are invited and articles should be emailed to editorial@trenchless-works.com. No responsibility can be taken for drawings, photographs or written contributions during delivery, transmission or when with the magazine. In the absence of an agreement, the copyright of all contributions, regardless of format, belongs to the publisher. The publishers accept no responsibility in respect of advertisements appearing in the magazine and the opinions expressed in editorial material or otherwise do not necessarily represent the views of the publishers. The publishers accept no responsibility for actions taken on the basis of any information contained within this magazine. The publishers cannot accept liability for any loss arising from the late appearance or non-publication of any advertisement for any reason whatsoever.

ISSN 2049-3401

Subscribe for free: www.trenchless-works.com

CHANNELINE GRP Structural Lining Systems



PANELS SHOWN ABOVE ARE MANUFACTURED BY
CHANNELINE

ANY SHAPE – ANY SIZE

Large diameter pipelines and culverts represent the backbone of any city's utility network for the collection and disposal of sewerage and effective drainage of stormwater. The need arises to consider the means by which the structural rehabilitation of these pipelines and ducts can be achieved whereby a new, 100-years plus life expectancy can be provided with a high degree of confidence. Channeline international has been providing bespoke Structural Glass Reinforced Plastic (GRP / FRP) lining systems since the early 1980's, during which time we have accumulated unrivaled engineering and manufacturing experience for both Circular and Non-circular buried infrastructure worldwide. **At Channeline, we are proud of our heritage and are committed to offering economic custom solutions to our existing and future customers in the Storm and Wastewater Sectors.**

Channeline International Fiber Glass Manufacturing L.L.C.
P.O. Box 8091 Dubai,
United Arab Emirates
Tel: +971 4 8848383
Fax: +971 4 8848384
E-mail: timwebb@apsdubai.com /
sales@channeline-international.com
Website: www.channeline-international.com

Applications:

- Sewer Main Pipelines
- Sewer Overflow Pipelines
- Sewer Interceptor Pipelines
- Sewer Inverts
- Storm Water Drains
- Seawater Cooling Pipelines
- Large Diameter Culverts and Tunnels
- Railway & Road Culverts
- Manhole Liners
- Multisegmental Liners

Channeline International North America

Tel: +1 514 2424495

E-mail: andysherwin@channeline-international.com

CHANNELINE 
Beyond the Ordinary

Beyond the Ordinary

SPOTLIGHT



Ian Clarke, Editor-In-Chief,
Trenchless Works

Hello All

July already! Just to cheer some people up it will only seem like a few more weeks and Christmas (yes, the dreaded 'C' word) will be upon us (for those that celebrate it anyway).

Before then however, there will be all sorts of news hitting the airways and media systems, but perhaps one of the most troubling at least for large parts of the UK is the news that the country's largest privatised water company Thames Water is suffering financial woes. Later Ian Ramsay present Cahir of UKSTT discusses a little of the reasoning behind this and what has led to these difficulties (if only in short).

Whilst this may seem something of a parochial point of discussion across the international trenchless market, it is perhaps more relevant than many might want us to believe. Thames cannot be the only water organisation that has troubles and poor press due to its wastewater overflows in rivers and seas. We know that to be the case in the UK with other water operators.

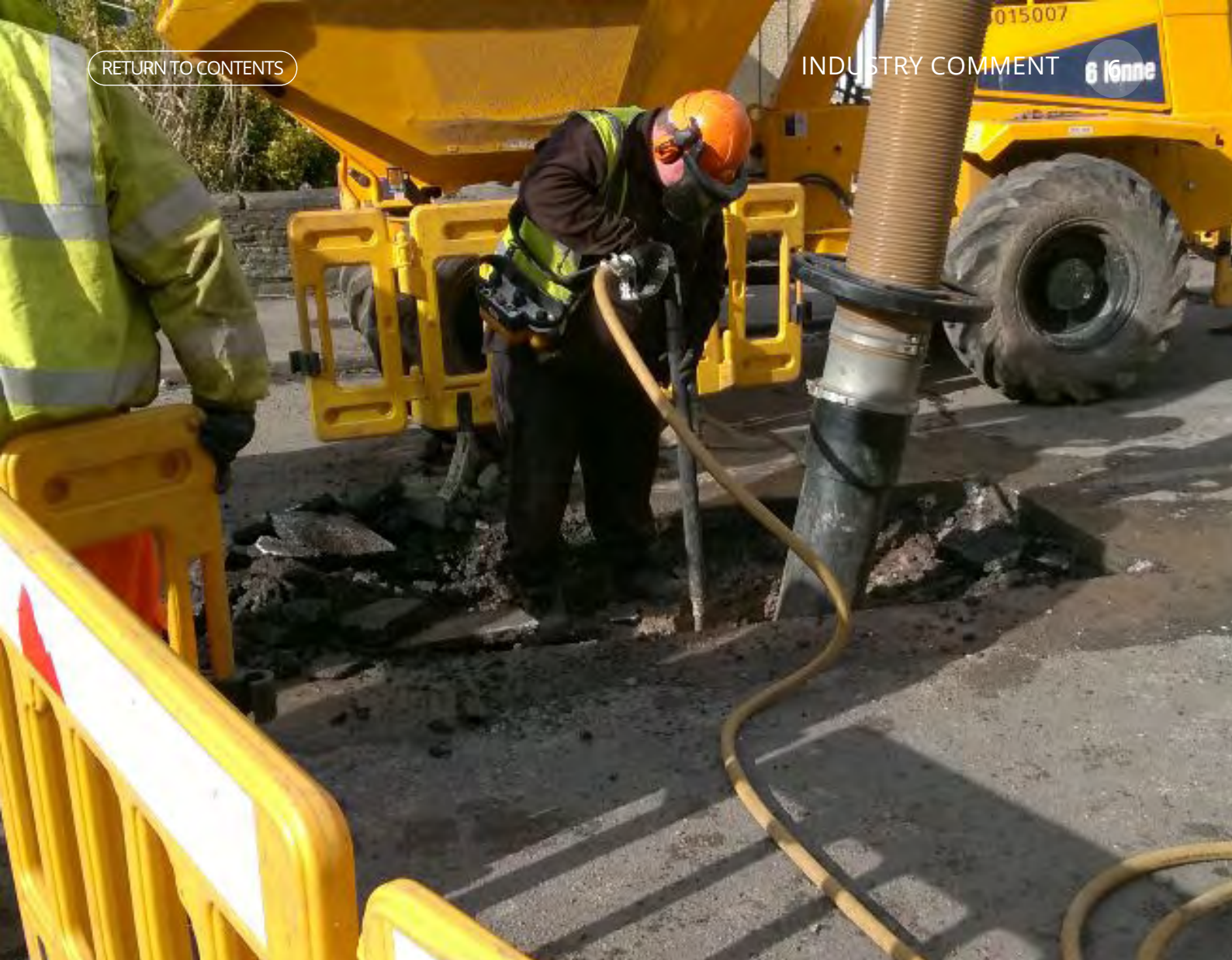
However, according to the United Nations (UN), globally some 44% of household wastewater is not safely treated. Of some 89 countries with water quality data, only 52 have information about groundwater, which is according to the UN, problematic because groundwater often represents the largest share of freshwater in a country. Yet water quality data is not collected routinely in a majority of countries. This means that the UN states that over 3 billion people are at risk because the health of their freshwater ecosystems is unknown. If they also do not know the state of their wastewater systems they cannot know what damage this may be doing to their freshwater supplies.

The question arises, 'How much of these problem areas across the world are due to the sorts of incidents being experienced in the UK with wastewater spillages?'

In the UK much of the poor press comes from the fact that water companies are privatised and so work for profit, with many saying they have prioritised profit, and therefore dividends to shareholders, over service provision, by way of lack of maintenance, rehabilitation and new installation. But, we in the UK only know this because these companies have to publish figures and pressure groups use this information as leverage in their complaints and arguments. In countries where these operations are public/government run/owned, this information is perhaps not nearly so readily available, few Governments will willingly give up bad information about their operations. It would be interesting to know just how poor wastewater management is across the globe, which may give some idea of just how much market there truly is out there for trenchless systems?

Ian Clarke

Editor-in-Chief Trenchless Works



SAFER EXCAVATIONS

An operative using an Air-Pick to break up hard ground for Vacuum Excavation

THE ADVANTAGES OF VACUUM EXCAVATION IN THE UK

Excavation is an essential process in Construction, Utility Infrastructure installations, repair and maintenance, and Civil Engineering works that require digging or trenching to access underground utilities and services. Traditionally, mechanical methods like diggers, backhoes and shovels were used for these tasks, but they often posed significant safety risks, being blunt instruments with metal edges. Fortunately, the emergence of Vacuum Excavation has revolutionised the industry, offering a far safer and efficient alternative. There are numerous safety benefits in utilising Vacuum Excavation in the UK, reflected in the statistical data on improved utility strike avoidance.

Enhanced Utility Detection and PAS 128

One of the primary safety advantages of Vacuum Excavation is its ability to enhance safe utility presence exposure, as all too often, underground utility services are not exactly where they are reported as being on Statutory Undertakers and Utility Service Providers records. In the UK, the adoption of the PAS 128 specification has played a crucial role in improving utility detection accuracy, and therefore the best practice around 'safe digging'. PAS 128 provides guidelines for utility mapping surveys and promotes the use of non-destructive techniques, including Air Lances and Vacuum Excavation, for locating and identifying buried utilities. By adhering to the PAS 128 standards, companies can ensure a more reliable and efficient utility detection process, significantly reducing the risks associated with utility strikes through the adoption of best practice. >

SPONSORED BY:

TRACTO

Night work
with Vacuum
Excavation



Some of the KM Plant
Vacuum Excavation fleet



A Vacuum Excavated
trench demonstrating
the safe excavation of
the surrounding area to
expose a utility service
pipe within the works
area.

A Vanguard of Innovation

K M Plant Hire & Groundworks Ltd, part of the K M Group, under the guidance of the Group Managing Director, Khan Lynch, and the Group Strategic Operations, Innovation, Research and Development Manager, Murray Ambler-Shattock, has earned a place at the vanguard of innovation adoption in the Utilities Sector in the UK. With a focus on safer, more environmentally sensitive, and efficient working methodologies, they have become leaders in the adoption of Vacuum Excavation technology in Wales across multiple major contracts. Indeed, K M Plant Hire & Groundworks Ltd has pioneered and successfully implemented Vacuum Excavation methods for multiple smaller works in the Civil Engineering and Utilities Infrastructure installation, repair and maintenance sector and now operates a fleet of Vacuum Excavators across its client works. This forward-thinking approach has delivered exceptional value to clients while promoting safer working practices across a growing number of contracts.

Adopting Vac-Ex for Safety

K M Plant Hire & Groundworks Ltd's commitment to safety and efficiency is evident in its adoption of vacuum excavation. By replacing traditional excavation methods with non-mechanical vacuum excavation, the company has eliminated the need for much of the mechanical and manual digging, reducing the risk of misreported utility locations leading to accidental damage and potentially, worker injuries. Furthermore, the non-mechanical suction-based excavation process minimises the potential for serious mechanical impact damage to utilities, mitigating the surrounding risks and preventing the resultant service disruptions. With its highly innovative MD at the helm, K M Plant Hire & Groundworks Ltd continues to lead the way in adopting innovative practices that prioritise safety and efficiency. >

SPONSORED BY:

TRACTO



One of our K M Plant
Vacuum Excavators

Award-Winning Work

K M Plant Hire & Groundworks Ltd's dedication to safety, innovation, and in such areas as Trenchless Technology and Vacuum Excavation, has garnered the company professional recognition and accolade within the industry. The company's commitment to safer working practices and the adoption of Vacuum Excavation technology has contributed to their multi-award-winning work in Construction, Civil Engineering, and Utilities. According to Khan Lynch: "By embracing efficient and safe excavation methods, we have set a high standard for excellence in the industry, delivering exceptional client value and promoting a safer working environment, that others are keen to emulate."

The safety benefits of vacuum excavation in the UK, coupled with the adoption of PAS 128 and the innovative practices of K M Plant Hire & Groundworks Ltd, facilitated by its Innovation Team are clear. "The use of Vacuum Excavation enhances utility detection accuracy, reduces the risk of utility strikes, and improves worker safety. By adhering to the PAS 128 specification and under the leadership of Khan Lynch, our company has established itself as a vanguard of innovation adoption in the industry. The implementation of Vacuum Excavation technology, combined with a commitment to safer working practices, has resulted in exceptional client value and a safer working environment." said Murray Ambler-Shattock. As the industry continues to prioritise greater efficiencies, Andrew Bradley, Head of Commercial, confirmed the demonstrable benefits of Vacuum Excavation in delivering meaningful improvements in operational safety and efficiency. ■

SPONSORED BY:

TRACTO



VERMEER VIKING ACQUIRED BY DEBE FLOW GROUP

"I feel incredibly excited and privileged that our team and family can join this organisation."

Debe Flow Group of Stockholm, Sweden, a member of the family-run development and investment company Pomona Group, has acquired majority ownership of Vermeer Viking of Sweden and Norway. The previous owners, André Hoondert and Judith Hazelager-Hoondert, will retain a minority share and remain a part of the company.

Vermeer Viking will operate as a stand-alone entity within the Debe Flow Group and will continue to do business at its current locations in Sweden and Norway. The Debe Flow Group distributes Swedish-made equipment across Europe for various purposes such as water supply, geo-energy, water treatment, circulation, sewage and control and regulation technology for water-borne heating systems. Debe Flow Group has a long-term, growth-minded vision for Vermeer Viking and the Hoondert family will continue to be involved. This means that customers and team members can expect consistent support and a promising future, "We join Vermeer Corporation in honouring the customer-centric foundation laid by the Hoondert family over the last decade-plus," said Oscar Heydorn, CEO of Debe Flow Group. "Looking forward, Vermeer Viking will build upon that foundation to support our customers who do important work in Sweden and Norway."

Following André Hoondert's 7-year career at Vermeer EMEA, he and Judith Hazelager-Hoondert founded Vermeer Viking in 2011, operating exclusively in Sweden. In 2017, they expanded to serve Norway. Throughout this time, Vermeer Viking earned four Vermeer EMEA Pinnacle Dealer Awards, and a Hall of Fame induction, as well as the designations of H. M. King Carl XVI Gustaf's Royal Pioneer Entrepreneurship 2014 and Örebro State Growth Company 2019.

"I feel incredibly excited and privileged that our team and family can join this organisation," added Andre Hoondert, CSO of Vermeer Viking. "We look forward to new goals and growth." ■

SPONSORED BY:

TRACTO



VERMEER LOOKS TO THE FUTURE AFTER 75 YEARS

“As we look to the future, we are committed to carrying on the legacy of innovation and continuous improvement to make a lasting impact around the world.”

Built on Founder Gary Vermeer’s legacy of finding a better way, for Vermeer Corporation the last 75 years have centered around impacting people and the world for the better. As the company looks to the future, third-generation family member, President, and CEO Jason Andringa said the next 75 years will continue to aim for the same purpose.

“What started as a small machine shop to meet the needs of local farmers in and around our hometown of Pella, Iowa, USA soon became the ground floor for my grandfather (Gary) to open Vermeer Manufacturing in 1948.” said Andringa. “With the guiding principle of treating other people how you would want to be treated yourself, we have created a culture over the last 75 years of making a real impact on the way work gets done that continues to drive our company forward. Ultimately, it is a commitment that is part of every interaction we have among ourselves, suppliers, dealers, customers, and the communities we live and work in.” >

SPONSORED BY:

TRACTO



Vermeer in 1948



Today, Vermeer has expanded from its modest beginnings to an organisation of more than 4,000 team members worldwide, recently having been recognised by Forbes magazine as one of America's Best Midsize Employers. Operating eight facilities in six continents and offering service and support in more than 60 countries, the iconic yellow iron equipment is distributed through a global network of more than 600 industrial and forage dealers.

From Gary Vermeer's first invention of the wagon hoist followed more innovative equipment. With the invention of the hydraulic horizontal directional drill, large round baler and stump cutter, Vermeer has shown its commitment to developing high-quality equipment that addresses the challenges its customers face. Helping connect people to the necessities of life, manage natural resources and feed and fuel communities, new innovations Vermeer plans to bring to market will include expanding digital product offerings, developing next-generation machines, and introducing new equipment.

"As we look to the future, we are committed to carrying on the legacy of innovation and continuous improvement to make a lasting impact around the world." Andringa explained. "We understand the important work our customers and equipment are doing, and we support them, wherever they are. Together, we are equipped to do more." ■

SPONSORED BY:

TRACTO

Demonstrating pit
launch technology



TRACTO CELEBRATES 40 YEARS IN THE UK

"We had a fantastic turnout from existing customers, as well as prospects interested in some of our innovative trenchless technologies. They took the opportunity to come and learn about the benefits directly from our team and the reaction was really positive"

TRACTO UK, recently celebrated a four-decade milestone in business with a two-day Open Day at the company's demonstration site in the heart of Bedford. On a sweltering Wednesday in mid-June customers, suppliers and prospects were invited to peruse a display of equipment, including live demonstrations of compact machines from pits dug in the ground which replicated real applications. Pete Atkins, Chief Demonstrator, first showcased GRUNDOSTEER technology to the assembled crowds. Ideal for short under crossings, such as roads and rivers, Pete demonstrated the 'steerable mole' rod pusher concept for quick and easy trenchless connections.

The GRUNDOPIT PS40, designed to facilitate trenchless house connections from a tiny pit of just 1,000 mm x 1,250 mm, was demonstrated to show the possibility of bores above existing infrastructures. Ideal for Fibre to the Property (FTTP) connections, for example, but with the additional benefit of minimal upheaval and damage to the surroundings. >

SPONSORED BY:

TRACTO



A great turnout of visitors to the Tracto UK Open Day.

Three large surface-launch HDD machines were also on display at the picturesque site with Pete jumping in the cab to showcase the simple, automatic changeover of rods, including the easy cleaning system on each model, as well as remote operation of the GRUNDODRILL ACS130 by tablet PC. The popular 15XP, with its powerful pulling and pushing forces and the JCS130, which can power through hundreds of metres per day in easy ground conditions, completed the line up.

Of course, as the original inventor of the moling concept, there had to be a range of GRUNDOMAT moles on display as well as the popular GRUNDOWINCH range. On Thursday, 15 June key customers were bussed in to the site and joined by TRACTO's Chief Executive from the company's German HQ, Tim Hofmeister, along with Elmar Koch, TRACTO Product Manager. The pair joined customers and staff for an afternoon of activities and a celebratory meal and overnight stay.

Roger Wahl, TRACTO UK's Managing Director, was delighted by the attendance across both days saying: "We had a fantastic turnout from existing customers, as well as prospects interested in some of our innovative trenchless technologies. They took the opportunity to come and learn about the benefits directly from our team and the reaction was really positive. We followed up the two-day event with a meal for the whole company which was a great culmination to our 40th celebrations. We are looking forward to the next 40 years of innovating the trenchless sector." ■



SPONSORED BY:

TRACTO

ROBOTIC

RAUSCH
INTERNATIONAL
GROUP

DART
SYSTEMS

rausch
REHAB

Cutter RRC1

- Full-HD camera
- DN 200 - DN 800
- Electric motor (power up to 2.5 kW)
- Endless arm rotation
- Rear view camera
- 4 degrees of freedom
- Modulare connections

FullHD
1920 x 1080



Rausch-Tab
Central control unit

DART
SYSTEMS

+44 (0) 1761 404870
sales@dartsystems.co.uk
dartsystems.co.uk

Dart Systems Ltd,
Environment House,
First Avenue,
Westfield Industrial Estate,
Radstock, Radstock BA3 4BS

GRUNDOSTEER - GUIDED ROD PUSHER

STEERING IN THE RIGHT DIRECTION HAS NEVER BEEN EASIER.



The GRUNDOSTEER guided rod pusher combines proven methods of trenchless pipe installation in an easy-to-operate, robust and compact rig.

A locatable guiding head and a time scale on the rods' position connector allow for directional corrections the easy way when establishing house connections or installing product pipes.

ADVANCED TRENCHLESS TECHNOLOGY

TRACTO.COM/GRUNDOSTEER



Busy streets in the
Mississauga City
Centre, Canada

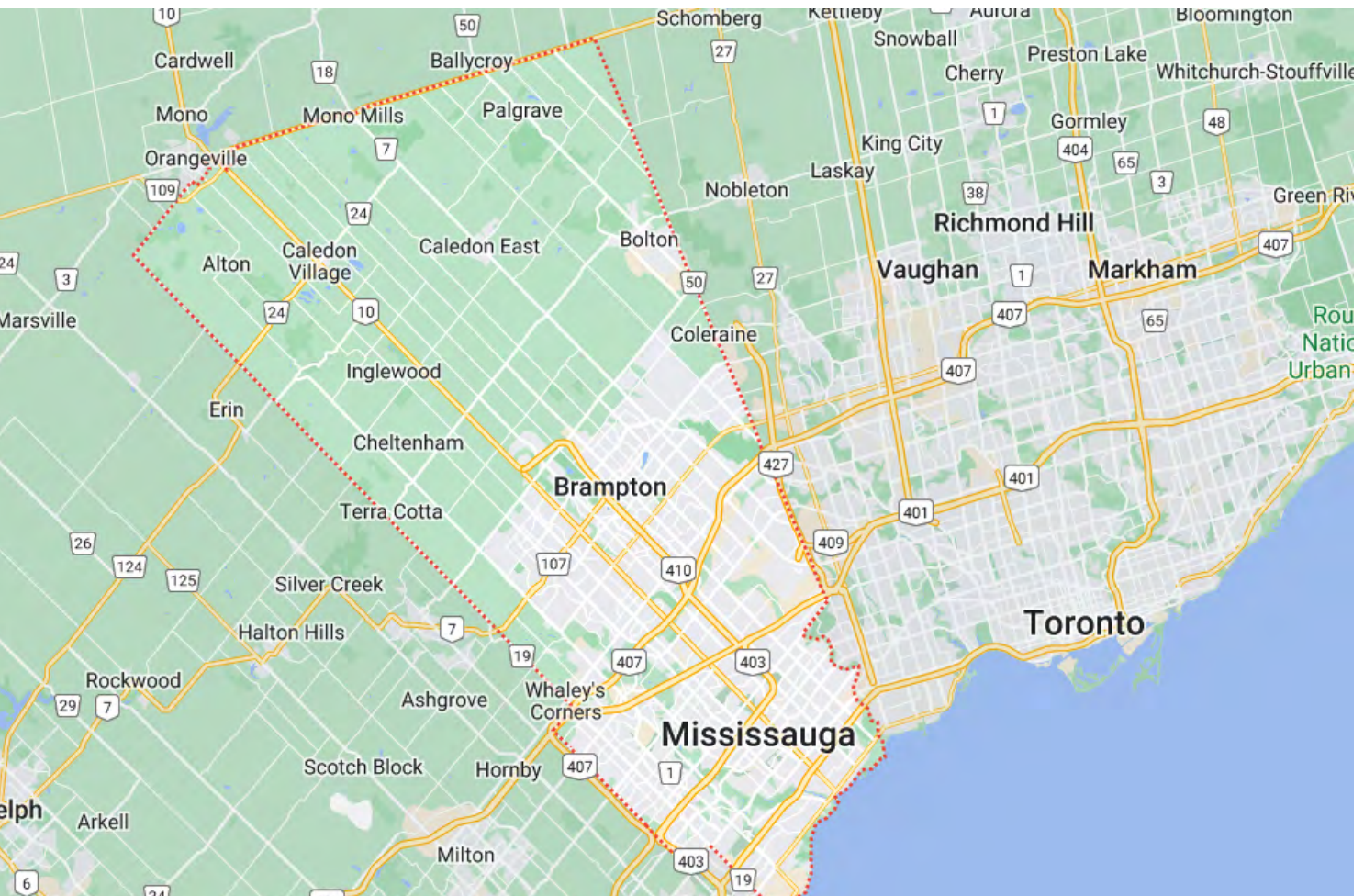
STANTEC TO DESIGN THE QUEENSWAY SEWER AND WATERMAIN PROJECT

Stantec, a global leader in sustainable design and engineering, has been selected by the Region of Peel, Canada, to deliver the design of the Queensway East-Cawthra Trunk Sewer and upgrades to the Pressure Zone 2 Water System. Stantec will provide professional engineering services and construction management for the project, which will ensure that the local community is well-served for decades to come. The tunnelled sewer will provide additional capacity for growing community for the next 20 years

The Stantec team will work with Peel Region and provide engineering services for the design and construction management of this project consisting of the Queensway East Trunk Sewer, Cawthra Trunk Sewer Phase 4, and the Queensway Transmission Main Pressure Zone 2 Upgrades. Peel Region is embarking on this significant project that consists of approximately 6.4 km of tunnelled trunk level sewers and up to 4.1 km of water feeder mains. This infrastructure is part of major system upgrades that will provide additional capacity to service growth within the Mississauga City Centre Area to 2041 and beyond. The system will be designed to help Peel achieve its strategy to enhance overall system reliability and resiliency for the sanitary and water systems. >

SPONSORED BY:

TRACTO



Region of Peel, Canada outlined

"It is a privilege to help deliver such an important project for the Region of Peel," said Neil Harvey, senior project manager with Stantec. "Stantec was recently recognised as the number one Trenchless company in North America by Trenchless Technology's Top 50 Engineering Firms Survey. Our diverse team will deliver a complex project, efficiently to minimise community and customer disruption. Our deep understanding of the Region of Peel's sanitary collection and water distribution systems will be valuable to this partnership."

Stantec was selected, in part, due to its historical knowledge of the Region of Peel's infrastructure systems. The Stantec team has worked on recent projects in the region, including the Lakeshore Sanitary Trunk Sewer and Pressure Zone 1 Upgrades, Little Etobicoke Creek (Haig Boulevard) Sanitary Trunk Sewer and New local Sanitary Sewer, and the development of the region's Real Time Control Strategy for its Trunk Sanitary Sewer System. Additionally, many team members worked together on the City of Ottawa's award-winning Combined Sewage Storage Tunnel. Collectively, Stantec's team brings together over 300 km of tunnel design and implementation experience in both soft-ground and rock tunnels. Stantec will provide a multidisciplinary team to deliver a broad range of programme management and technical support services. The Stantec team will integrate with Region of Peel, working together collaboratively to manage the development and implementation of the project.

As a selected engineering partner, Stantec offers the depth of experience, local resources, and abilities to successfully deliver this project for the Region of Peel. The firm's portfolio includes 100's of kilometres of new and rehabilitated infrastructure in Canada and globally. ■

Website: www.stantec.com

SPONSORED BY:

TRACTO

Caspar Vick
(left) and Crock
Harrison



SVI LEADERSHIP TRANSITION

"I have the utmost confidence in Caspar's ability to uphold the core values of the family-run business while injecting fresh perspectives and strategic direction to further drive growth and success."

Steve Vick International (SVI), a family-run business known for its commitment to excellence, recently announced an upcoming leadership transition. After a remarkable 41 years of dedicated service, Crock Harrison, a respected figure within the company, will be transitioning to a new role, making way for Caspar Vick to assume the position of Managing Director.

Throughout his tenure at SVI, Crock Harrison has been instrumental in driving the business forward, embodying the values that have made the company a success. Caspar, who has served his apprenticeship within various areas of the business, including the warehouse, Contract Services, and Technical Sales, has gained invaluable experience and knowledge that has prepared him well for this new role.

Over the next 12 months, Crock Harrison will gradually reduce his working hours to a four-day workweek, while Caspar will work closely alongside, further developing his skills and expertise under Crock's guidance.

By July 2024, Caspar will assume the full role of Managing Director, ensuring a smooth and seamless transition in leadership. Crock will continue to contribute to the company's success, focusing his efforts on Special Projects and other crucial aspects of the business.

This transition marks an exciting new chapter for SVI. Crock Harrison commented: "I have the utmost confidence in Caspar's ability to uphold the core values of the family-run business while injecting fresh perspectives and strategic direction to further drive growth and success."

With this transition, SVI reaffirms its commitment to adapt and evolve while staying true to its roots as a family-run business. The company looks forward to a bright future under Caspar's leadership, building on the strong foundation laid by Crock Harrison. ■

LARGE DIAMETER PIPE CUTTING, CRACKING & HANDLING EQUIPMENT

TRIED & TRUSTED PLANT HIRE

AVAILABLE
FOR HIRE



PE Cutter

A Circumferential cutter for large diameter PE pipe, above 250mm.



MACAW Pipe Cracker

Digger attachment for the safe and effective cracking of redundant cast iron mains, 8" to 24".



Pipe Handler

Hydraulic excavator attachment used to safely manoeuvre sticks of PE and insert into a host main quickly and efficiently. Handles diameters from 180mm to 630mm.



01225 864 864 | stevevick.com

SMARTER TOOLS FOR A SMARTER JOBSITE

WITH THE MCELROY TRITAN™ 560,

one machine is all you need to maximize jobsite efficiencies. The Tritan is self-contained, allowing it to be driven and positioned precisely alongside the pipe. An innovative jaw design enables a single operator to load pipe sticks directly from the ground. All while the built-in DataLogger® records the entire fusion process to help ensure the job is done correctly.



Tritan™ 560

SEE HOW MCELROY'S SMART FUSION TOOLS AND ACCESSORIES
CAN IMPROVE YOUR JOBSITE AT MCELROY.COM

M McELROY

©2023, MMI block and DataLogger are registered trademarks of McElroy Manufacturing, Inc. Tritan is a trademark of McElroy Manufacturing, Inc. All rights reserved.

Scan the QR code
for more information
about the Tritan 560.





RSM'S OPEN DAY BACK THIS SEPTEMBER

Various demonstrations at the previous RSM Open Day



On 7 September, 2023 RSM will be opening the doors of its brand-new premises to welcome customers and suppliers for an action-packed day.

First incorporated back in 2007, RSM has now been trading for over 15 years. Experiencing exponential growth as a business over this time, the company has developed its very own range of products, partnered with some fantastic suppliers and continued to push for excellence every step of the way.

With the last Open Day being held 4 years ago due to the Covid pandemic, RSM plans on making this year's bigger and better than ever.

The day will include:

- Live demonstrations
- Exclusive special offers
- New product launches
- Factory tours
- Technical advice and presentations
- Evening entertainment
- Plenty of food (and drink!)

RSM's key suppliers will also be present, showcasing a variety of their products and will be able to answer any questions that visitors may have.

RSM's Sales Director, Phil Steele, commented: "The RSM Open Day is a fantastic opportunity for networking and expanding contacts within the CIPP industry. We look forward to seeing our customers face-to-face, sharing exciting new product developments, and showcasing our brand-new, state of the art facility." ■

To register for attendance, contact RSM:

Tel: 0330 043 9604 or Email: sales@rsm-web.com

iNTERNATIONAL **NO•DIG** 2023 MEXICO

Conference and Exhibition
17-18 October 2023
Expo Santa Fe, Mexico

THE 39th INTERNATIONAL NO-DIG

BOOK YOUR STAND TODAY

International No-Dig Mexico is the major annual international gathering for trenchless technologists to meet and discuss the latest industry developments.

- Reach new markets at this major event targeting influential audiences to be drawn from Latin and North American markets, as well as attendees from further afield
- An opportunity to display and demonstrate products to a highly targeted audience
- Ensure your brand has a profile in the presence of the industry's premier decision makers
- Take a leadership position and play a major role within the Trenchless/No-Dig sector
- Be part of the region's only industry specific exhibition and conference with a proven track record that truly demonstrates Trenchless/No-Dig technology and its capabilities
- Be seen alongside influential supporters representing Latin America

To be amongst the worlds leading providers and show your innovations, book a stand at International No-Dig Mexico.

Sponsorship opportunities available!

Contact Trevor Dorrell at tdorrell@westrade.co.uk or +44 (0) 1923 723990

www.no-digmexico.com

Organised by



Supported by



Official Media Partner

TRENCHLESSWORKS



Bluelight lining Ltd

Paired to Perfection

LED light curing
equipment and
materials
and standard
CIPP materials

Choose a partner, not a product

Utilising innovative technology • Bluelight is your go-to system for laterals and mains lining, as well as smaller wastewater pipes.



More than
700,000
metres laid
throughout Europe

More than
90,000
single installations

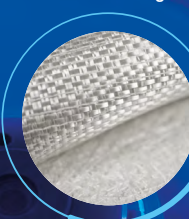
More than
15
years practical
development and
site experience



Patch Repair Packers



Bulk Matting



Equipment Sales



Silicate Resins



t. 01604 753558 e. hello@bluelightlining.co.uk w. www.bluelightlining.co.uk

RELINE
UV TECHNOLOGY



RE COMPACT RE COMPACT PLUS

THE START OF A UNIQUE MODULAR SYSTEM

Our in-house designed and developed RE COMPACT and RE COMPACT PLUS are the start of a globally unique modular UV Curing System, providing all the prerequisites for an innovative and flexible entry-level model. Each UV light source and packer, as well as further equipment, can be used across all system sizes within the new generation of RELINE technology. Contact us today to learn more about our innovative technology!

WE ARE THERE FOR YOU!

RelineEurope GmbH
Große Ahlmühle 31
76865 Rohrbach | Germany

Tel.: +49 6349 93934-0
info@relineeurope.com
www.relineeurope.com

RSP UK DIRECTOR WINS INAUGURAL TITLE



Charlie Gardener (right) with Baroness Sandy Verma at the House of Lords event

"It is a real honour to be named on this list of trailblazing women. Attending the House of Lords event and speaking to other female entrepreneurs, all with different backgrounds and career paths, was really inspiring."

Charlie Gardener, one of the directors of suction excavator manufacturer RSP UK, has been named on this year's inaugural Inspirational Business Women in STEM and Construction (IBWSC) list.

The IBWSC list was created to identify inspirational female business owners in STEM and construction, who can act as role models to the future generations. These are women challenging the status quo, in typically male-dominated sectors.

Hundreds of nominations were put forward, of which 70 were long listed, before the final 30 were announced at an event held at the House of Lords on Thursday 22 June, which was hosted by Baroness Sandy Verma and Roni Savage, CEO of Jomas.

Charlie said, "It is a real honour to be named on this list of trailblazing women. Attending the House of Lords event and speaking to other female entrepreneurs, all with different backgrounds and career paths, was really inspiring. I am sure the UK's construction and engineering sectors could be even more successful and sustainable if we could attract a much more diverse workforce."

The IBWSC list followed the Government-commissioned 'Alison Rose Review of Female Entrepreneurship', which highlighted that women entrepreneurs are underrepresented in the most productive sectors of the UK economy, and that female entrepreneurship could add a further £250 billion to the UK economy.

The Review recommends that encouraging young women to study science, technology, engineering and mathematics is key to increasing female start-up rates in those sectors.

Women still make up a minority of the STEM workforce, occupying just 29.4% of roles. It is widely accepted that the lack of visible female role models in the STEM industry contributes to the low number of females taking up STEM-related careers. ■



SPONSORED BY:

TRACTO



S1E HOSTS MEET AND GREET OPEN HOUSE DAY

S1E offered the opportunity for customers to 'Meet the Manufacturers' at its recent Open House Day at the beginning of July.

The S1E Open House was a chance for customers to meet the S1E team and see what they do as trenchless specialist suppliers, introduce products, take a tour of the warehouse and enjoy some food and drinks while chatting pipe repair.

At the event, designed as a 'meet and greet', customers had the opportunity to meet representatives from brand partnerships, as S1E brought together some of the best manufacturers in the drainage and pipe repair market, such as Fernco (previously Flexseal), Picote Solutions, UHRIG, IBAK, BRAWO Systems, RIDGID, Hurricane Trenchless Technologies, Trelleborg (I.S.T.), ProSolve Products and new lining partner, SAERTEX multiCom.

"Our Open House offers the perfect opportunity for existing customers to meet the manufacturers of their favourite products and discover new ones too. It is also a chance for other companies and contractors to join and chat with us and our partnership suppliers, to take an in-depth look at what trenchless and drainage repair equipment has to offer" commented Terry Ingley, General Manager at S1E Ltd.

S1E entered a new UV-CIPP Lining partnership with SAERTEX multiCom in April and has seen immense success being a local stockist for the SAERTEX-LINER® MULTI Type S+ Gravity UV Liner. At the event, SAERTEX multiCom previewed its latest innovation to hit the market, the TYPE E, the new seamless design for the SAERTEX-LINER® MULTI range.

Supporter of the event, Fernco joined the day to interact with its end users, and customers. Designing and developing drainage couplings and connections, and responsible for transforming the way pipes are repaired and replaced around the world, the company showcased its newly launched universal, push-fit lateral connection saddle, the Fernco Storm-T, alongside its other water management products. >

"We want to say big thank you to all our customers that took the time out to attend, also many thanks to our partner suppliers; Fernco, Picote, BRAWO, SAERTEX, RIDGID, IBAK, UHRIG, Trelleborg, Hurricane and ProSolve for their attendance and support"



SPONSORED BY:

TRACTO

Discussing lining processes with a visitor



"The event was a great success for Fernco. Demonstrating where products are actually used in practice certainly got the attention of ground workers on the day. It was a great day," said David Millward, National Sales Manager at Fernco.

With a focus on providing the best products and equipment, for a straightforward installation and an excellent finish on site, the S1E Open House Day showcased a number of products for every stage of pipeline repair from inspection systems and cameras to cleaning and cutting equipment and tools to a range of CIPP lining equipment and consumables and LED and UV Lining Systems, as well as structural point and mechanical point repair, and water management, couplings, connection products and everyday contractor essentials.

A customer commented, "We attended the S1E Open House event and found some items of interests to us. With a wide range of suppliers available to talk to, we were able to discuss new tools with RIDGID, get some PlumbQwik™ samples from Fernco, and learn more about Picote's new lining systems. All in all, it was a good event for us to attend so many thanks."

Hakim Dehimi, International Sales Director at Brawo Systems said, "The event was perfectly organised, and I like the idea of 'meeting the manufacturer'. I had some good discussions with some of S1E's clients about our systems, products and projects in the future."

Sales and Customer Service Europe at UHRIG GmbH, Christopher Rings said, "I really liked the idea of 'Meet the Manufacturer.' I had some interesting talks with potential new customers but also with some who have already used the Quick-Lock system. It was a successful event and I had a lot of fun spending time with the S1E team again."

Being able to get a range of products and representatives from market leading brands and manufacturers in front of S1E's customers was highly valuable, as they were able to see just how innovative they really are and visitors were able to ask questions, and gain the technical details required, to find out how easily these products can be installed and operated.

S1E looks forward to continuing to work with their partnerships to deliver and expand on more high-quality products and services as well as building new relationships with customers to provide specialist trenchless solutions.

"We want to say big thank you to all our customers that took the time out to attend, also many thanks to our partner suppliers; Fernco, Picote, BRAWO, SAERTEX, RIDGID, IBAK, UHRIG, Trelleborg, Hurricane and ProSolve for their attendance and support to make this an enjoyable event for everyone,". added Scott McMurray, Managing Director at S1E Ltd. ■



SPONSORED BY:

TRACTO

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL

THE ORIGINAL



WRC Approved No-Dig Repair System

Pipe Doctor has a long standing track record of providing a cost effective, easy to use and proven solution for the permanent and watertight repair of damaged pipes, without the need for excavation work.

Book a Patch Repair Training Course

S1E offer a one-day WRC-approved training course in our Pipe Doctor patch repair system to provide contractors confidence in this specialist technique.





A BREAKTHROUGH SOLUTION FOR LARGE-SCALE SEWER REHABILITATION PROJECTS

Lowering a liner section down the access shaft on the Detroit project

Channeline, a leading manufacturer of structural fibreglass non-circular sewer liners, has successfully established itself as a prominent brand in the UK and European market since its inception in 1984. However, to sustain its growth momentum, the company recognised the need to adapt its technology to cater to larger sewers and culverts. Through innovation and problem-solving, Channeline developed a proprietary 'Tapered Tongue and Groove' jointing system, which revolutionised the transportation and installation of its custom fabricated pipe liners. The followings focuses on the successful implementation of Channeline's Multi-Segmental Liner in the North Interceptor, East Arm (NI-EA) PCI-4 project in Oakland-Macomb County, Detroit, USA.

Challenges

The NI-EA, which conveys sanitary and combined sewer flows from the Oakland and Macomb County communities, had suffered from significant deterioration, including loss of concrete liner thickness, exposed reinforcing steel, scaling, and cracks. An initial inspection by NTH Engineering highlighted the urgent need for repair. A subsequent inspection in 2019 revealed fair to poor conditions in the affected sewer sections. >

SPONSORED BY:

TRACTO

Liner segments awaiting installation



Checking the liner post installation



SPONSORED BY:

TRACTO

In 2020, the NI-EA Pilot Project for the rehabilitation of 1,560 linear feet (475.5 m) of the PCI-4 Interceptor was initiated. Channeline's Multi-Segmental Liner, designed with a 16 ft (4.9 m) internal diameter and a 3.54 in (90 mm) wall thickness, was specified as the mandatory rehabilitation method. The liner consisted of four sections, each weighing over 6 tons, which presented a significant transportation and installation challenge.

The Tapered Tongue and Groove Jointing system allowed Channeline to break down the complex pipe liners into multiple component segments, ensuring structural integrity and load capacity upon installation. This innovative system not only facilitated shipping for large-scale projects but also reduced overall shipping costs by minimising the number of containers required. Additionally, the system enabled trenchless installation in areas with difficult access, such as manholes or maintenance chambers.

Implementation

Marra Services, the low-bid contractor, selected Channeline to supply and install the Multi-Segmental Liner for the NI-EA project. A close collaboration between Marra Services and Channeline's manufacturing team in Dubai ensured the assembly and installation processes were fine-tuned. Production of the liner commenced in May 2021, with container deliveries arriving at the site in August 2021. The segments were shipped upright on pallets, with 4.5 liners fitting per container.

To address the challenge of moving and installing the liner into the 1,500 ft (457 m) tunnel, Marra Services enlisted the expertise of Kelley Engineering, which custom-designed a self-driven Robotic Pipe Carrier. This carrier transported each segment, positioned and homed the gasketed joints, ensuring a fully sealed lining system. With an average installation rate of 4 segments per day, the contractors also implemented additional safety measures by grouting the annulus every 100 ft (30 m).

Outcome

The successful completion of the NI-EA Pilot Project demonstrated that Channeline's Multi-Segmental Liner provided an additional 100-year service life to the large, deep asset. Despite challenges such as adverse weather conditions, flow disruptions, and the inclusion of an extra 110 ft (33.5 m) of liner, the project was completed on time and within budget. The minimal disruption to residents and businesses further underscored the effectiveness of Channeline's solution.

Channeline's innovative Tapered Tongue and Groove Jointing system has not only addressed the shipping and installation challenges of large-scale sewer rehabilitation projects but has also extended the lifespan of critical infrastructure. With its commitment to innovation and problem-solving, Channeline continues to set new industry standards, providing reliable and efficient solutions for the future of sewer rehabilitation. ■

WovoX: The Next Generation addition to the WovoLiner® suite of products.

No question, a **GAME CHANGER!**

- Ability to transition liners to multiple sizes
- Multiple bends up to 90 degrees
- Increased consistency for calculating stretch and drawback



appliedfelts.com | 276.656.1904 | +44(0)1924 200535

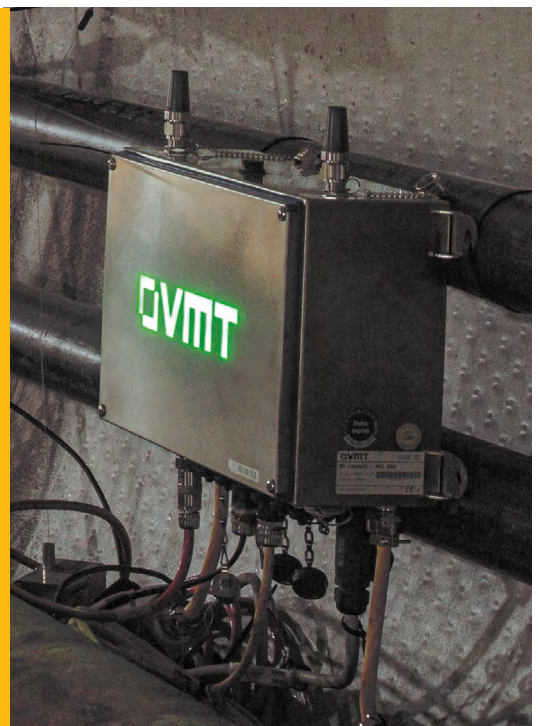


Wi-Fi included!

A real advantage that provides great support and time savings during repair and maintenance work in small diameter tunnels.

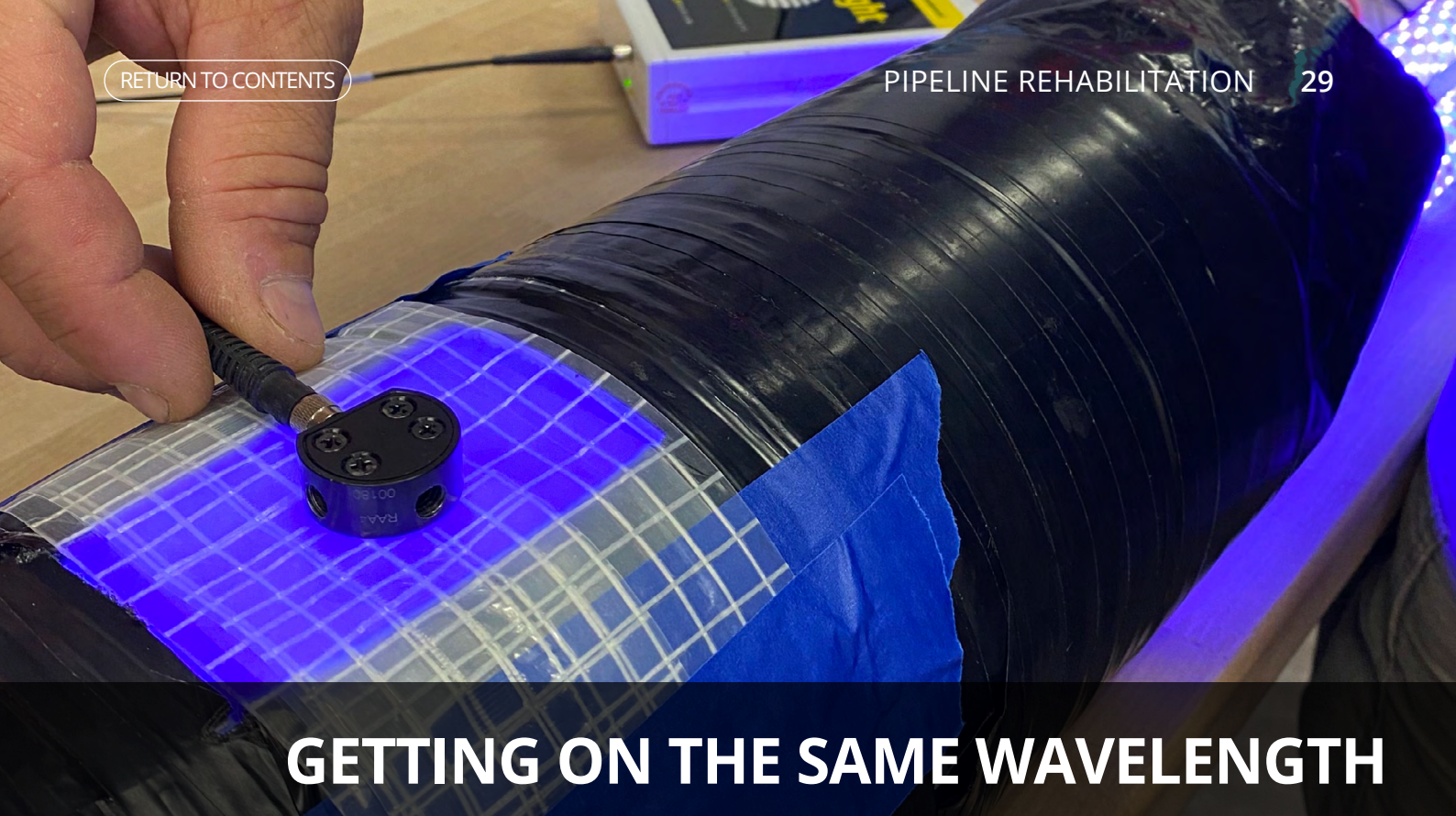


Just one of the benefits offered by **TUNIS Navigation MT** - our new, unique microtunnelling navigation platform.



www.vmt-microtunnelling.com





GETTING ON THE SAME WAVELENGTH

Testing NuFlow's
NuCure liner
material

Light curing is a leap forward in pipe lining, improving consistency in the final liner, speeding installation times, lowering technician labour costs, and reducing risk by enhancing control over the lining process.

While there are some important differences between the light curing systems on the market that should be considered, the wavelength or 'colour' of the light is not one of them. The reality is that there is no inherent benefit to a particular wavelength of light, whether it sits on the visible part of the light spectrum (e.g. blue, green, etc.) or if it is in the UV part of the spectrum. What is important is irradiance per square centimetre, sufficient power along the length of the liner and that the resin and the wavelength be perfectly calibrated with each other for a full and dense cure.

While the UV part of the spectrum is indeed wide, the specific wavelength of light used in a UV CIPP lining system is not. For example, the NuFlow NuCure system uses a very specific wavelength of light within the UV portion of the spectrum, one that is precisely calibrated to the resin developed to ensure an extraordinarily high density of cure.

If you bake cookies at 350°F ($\pm 180^{\circ}\text{C}$), the fact that your oven heats from 0 to 550°F (288°C) is an irrelevant observation and in no way suggests a lack of precision or power. You are going to use a very narrow and focused part of that total temperature range. You just need to make sure your oven can hit 350°F ($\pm 180^{\circ}\text{C}$) and stay there for the time it takes to bake the cookie and, importantly, that your cookie dough recipe is calibrated to work at that temperature. If another cookie recipe calls for baking at 325°F ($\pm 160^{\circ}\text{C}$) or 375°F ($\pm 190^{\circ}\text{C}$), it is not better or worse, it is just different and it will work just fine as long as the cookie dough is calibrated to that temperature. There are not a lot of cookie recipes that say 'Pre-heat your oven to anywhere between 300°F ($\pm 150^{\circ}\text{C}$) and 375°F ($\pm 190^{\circ}\text{C}$)'.

Light in the UV spectrum has a relatively shorter wavelength, which helps in penetration of materials. In addition, the NuCure system has designed or sourced transparent lining materials specifically to enable better light penetration through to the resin, ensuring an extremely dense cure.

In summary, it is the overall system that should be evaluated when considering a light cure system, not one attribute. Better to consider the wavelength/resin calibration, the heat created by the reaction (peak exotherm) and exotherm duration, the transparency of lining materials used, the robustness of the power sources, cables and connections and, of course, the product and job site support that NuFlow is famous for. ■

SPONSORED BY:

TRACTO

"SIMPLE AND EASY SYSTEM TO WORK WITH!"

Svanbjörg Vilbergsdóttir was tasked by the government of Greenland to oversee small diameter pipe rehabilitation projects in hundreds of apartment buildings. She chose NuCure CCUV because it combined quality control with a fast and easy-to-execute process.

"I loved the simplicity of the NuCure UV system. And I like how fast UV works in our cold temperatures."

"Once I learned that it also came with quality assurance documentation – I was sold! I can review the data, including before and after videos, to grade it and create a report right from the portal."

"The training was excellent. And NuFlow Central offers training videos and support, so we can continue to learn on our own time. It's a simple and easy system to work with, and easy to teach others."

Svanbjörg Vilbergsdóttir
Consultancy - Ráðgjöf og eftirlit

THE NUFLOW ADVANTAGE

- Field QA System with Documentation
- Project Assessment and Site Evaluation Planning
- World-class Training and 24/7 Tech Support

nu·cure

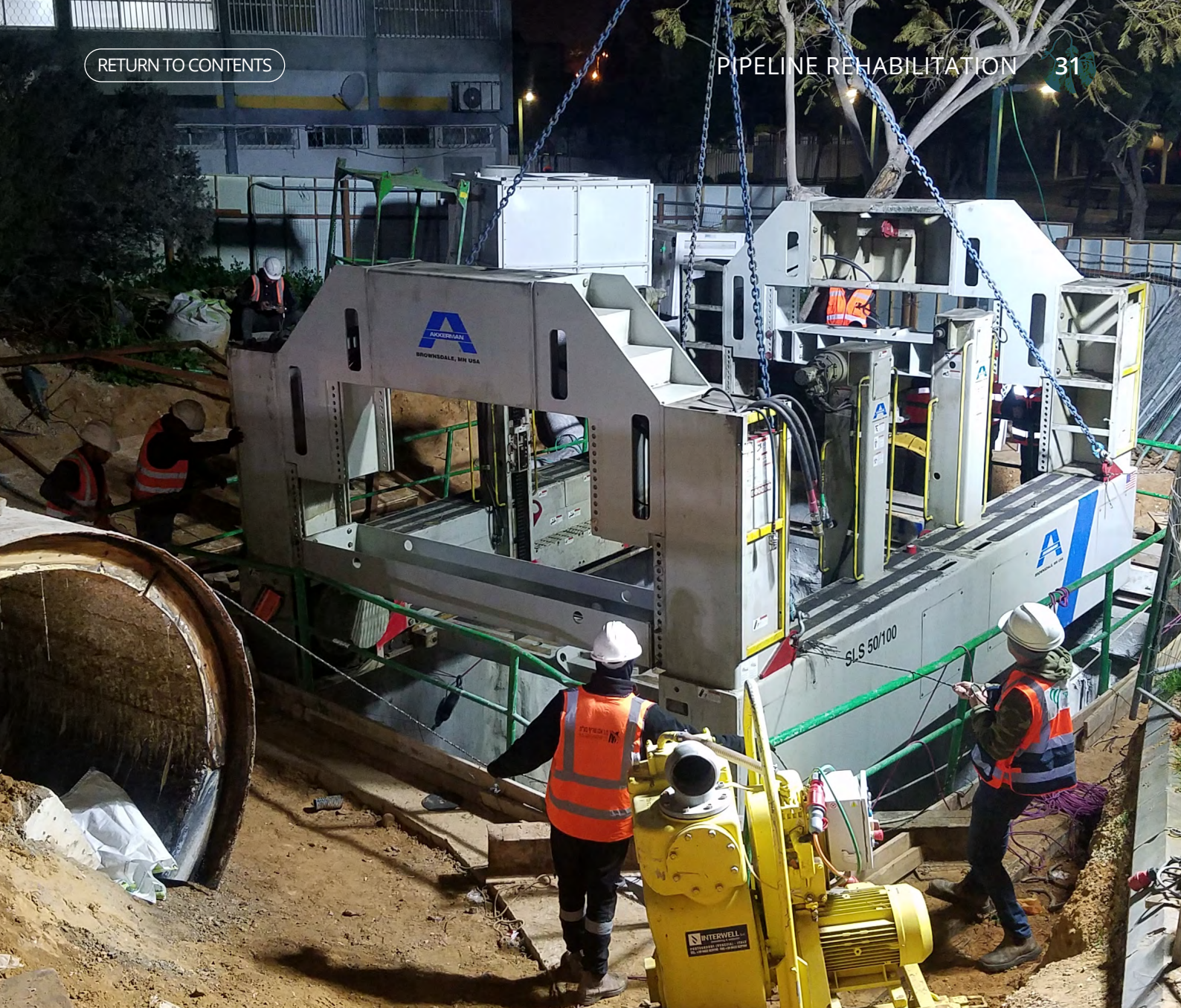
COLD CURE UV

- Push/Pull in Place liners cure in 10 minutes
- Resin and UV light calibrated for extremely dense cure
- Fast cure reduces labour costs, maximises profit

nu·flow
WE FIX PIPES

Become a NuFlow Certified Contractor Today!

nuflow.com | +44 771 4241959



Lowering the
Akkerman
sliplining system
into the launch
shaft

US TECHNOLOGY AIDS ISRAELI SLIPLINING PROJECT

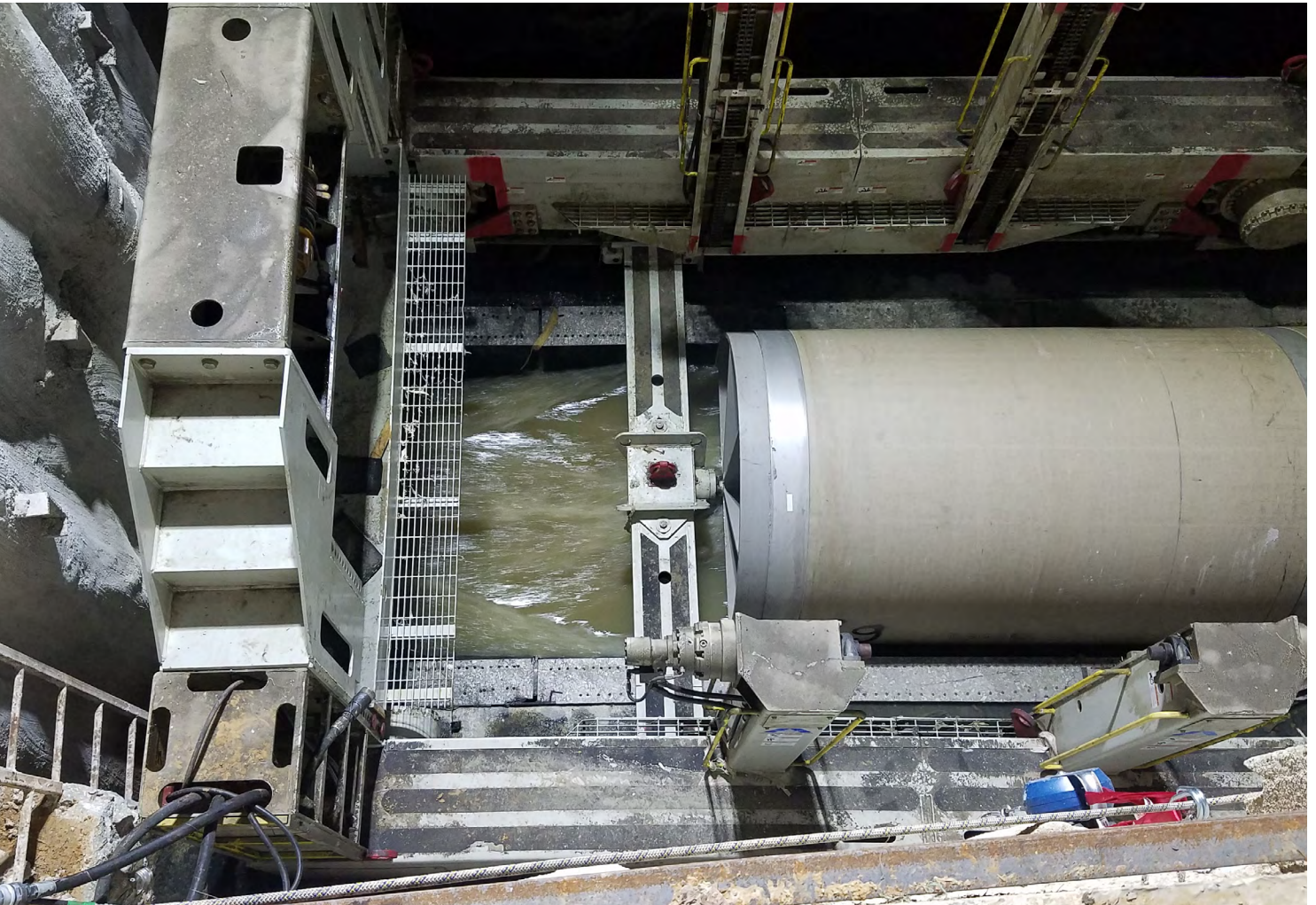
The Dan Region of central Israel has in recent years experienced significant population growth in line with revitalisation of the area. Subsequently, the Dan Regional Association for Environmental Infrastructure, also known as Igudan, had concerns that the regions wastewater network capacity may not cope with this growth.

Inspection of the 40-year-old wastewater system highlighted some significant defects and Igudan started looking for a solution that would mitigate these faults. Several different rehabilitation options were investigated with ultimately a sliplining solution being the option selected. The pipeline in question for this work was the Igudan Q Line South, which is located near the coastal town of Bat Yam.

In selecting sliplining as the preferred option for rehabilitation of the pipeline, Igudan chose what is believed to be the first and largest project in Israel using this technology. The contractor selected for the work was E.R Itshaky-Microtunneling Israel, which has since its establishment in the 1960s serviced the Israeli civils engineering sector, which in later years included water and wastewater projects. >

SPONSORED BY:

TRACTO



Sliplining
underway

Sliplining Option

Sliplining was deemed to be the only practical solution for the Q Line South work due to the crowded buried infrastructure in the area, which negated the installation of a new tunnelled pipeline or any open cut option.

The required liner pipes were however of significant size, being up to 10 ft (3 m) in length and up to 78 in (2,000 mm) diameter. Therefore, a system of the right capacity to handle such pipes was needed. Yaki Itshaky, who heads up the contacting company said: "Each section required equipment suitable for high jacking forces and execution under streaming sewage. The uniquely designed SLS100 sliplining system complies with these two main parameters."

The Akkerman SLS100 operates without the need to install bypass pumping as it will work in live sewer flows, so negating any service interruptions to consumers during the works. It comprises an all-in-one pipe jacking system that can accommodate pipes of up to 102 in (2,590 mm) diameter when utilising spaces and frame extensions.

Comprising the jacking frame, power pack and pipe specific thrust rings, the unit is remotely controlled using wireless systems by the operator. An LCD screen enables the operator to see all operational functions together and provides live data logging via a VPN and customised web dashboard.

Given the 'live flow' nature of the works undertaken, the addition of pipes to the liner string is controlled by hydraulically linked pipe elevators with a drawbar-mounted thrust ring which engages with the pipe to provide axial advance. The system also uses a retention winch and grips which negate pipe buoyancy and counter live flow forces to keep the pipe string aligned during the jacking process. >

Implementation

Overall, the sliplining works required for the Q Line South project comprised the installation of some 4,970 ft (1,515 m) of liner pipe across three diameters from 70 in (1,800 mm) to 78 in (2,000 mm) diameter with some 60% of the work being under live flows. Liner pipe lengths varied from 8 ft (2.5 m) up, to 10 ft (3 m) depending on the location, with shorter pipe lengths being utilised where a curvature existed in the host pipeline.

Timing of the works was vital given that the installation window available for jacking was limited to when the live flows were at less than 50% of the host pipe diameter. This usually comprised working for two hours in the early morning hours, followed by a rest of one hour whilst flows retained by a control valve upstream were allowed to pass through the system, followed by a further two hours of lining before normal day-time flows were again reached.

Limited access space and the need for minimal disruption around the launch shafts was also a consideration.

The first shaft was positioned for minimal disruption to local residents under a park area. The shaft was 17 ft (5.4 m) wide, 32 ft (9.7 m) long and 24 ft (7.3 m) deep, to accommodate the Akkerman jacking frame.

Before the sliplining work could proceed, the contractor ran a prover through the host pipeline to remove any debris deposits and to enable the cutting out of the top half of the host pipe for access from the jacking shaft.

The second project site, also under live flows, required the lining of some 1,980 ft (600 m) of host pipe and was completed in just one week after completion of the set-up. Here installation rates of up to 45 pipes per shift were achieved, using 8 ft (2.5 m) jacking pipes.

Finally, the longest installation section was some 2,510 ft (765 m), which included a 492 ft (150 m) long curved section which exited into the multi-level, deep shaft. Here short length pipes were installed to provide the curvature required to complete the lining process.

"Israeli regulations exist to protect underground water pipes which are adjacent to sewage, so the last section was performed in two stages in a dry environment. The first stage was pipe jacking as a protection layer for the host pipe, and the second was sliplining in the new jacking pipe." said Itshaky.

Whilst anticipating further similar works using the Akkerman SLS100 unit, Itshaky concluded saying: "Sliplining with the Akkerman SLS100 system technology helped us to complete this challenging project efficiently and effectively. E.R. Itshaky is proud to have successfully introduced this new technology to Israel for the benefit of Igudan, and further trenchless options in the urban area." ■

"Sliplining with the Akkerman SLS100 system technology helped us to complete this challenging project efficiently and effectively. E.R. Itshaky is proud to have successfully introduced this new technology to Israel for the benefit of Igudan, and further trenchless options in the urban area."



NO-DIG EVENTS

International No-Dig events brought to you by the industry's world experts



INTERNATIONAL NO-DIG MEXICO 2023

ISTT's 39th International No-Dig Conference and Exhibition

17-18 October 2023

Expo Santa Fe, Mexico

www.no-digmexico.com



NO-DIG ROADSHOW & UKSTT ANNUAL AWARDS BRISTOL 2023

29 November 2023

De Vere Tortworth Court, Tortworth, Wotton-under-Edge

www.nodigroadshows.co.uk



TRENCHLESS ASIA 2024

26-27 June 2024

SMX Convention Center Manila, Philippines

www.trenchlessasia.com



NO-DIG LIVE 2024

1 2 & 3 October 2024

NAEC Stoneleigh Park, Warwickshire

www.nodiglive.co.uk



INTERNATIONAL NO-DIG DUBAI 2024

ISTT's 40th International No-Dig Conference and Exhibition

18-19 November 2024

Dubai World Trade Centre, Dubai



t: +44 (0)1923 723990

e: trenchless@westrade.co.uk

w: www.westrade.co.uk

twitter: @WestradeGroup



MAMMOTH UTILISES STREICHER POWER

The new Streicher
powered
VC70 Suction
Excavation unit

Mammoth Equipment Ltd is pleased to launch Mammoth Suction powered by Streicher. Mammoth has been involved in small trailer mounted excavation equipment since 2014 but the collaboration with Streicher brings new high performance tracked units to the UK. The unit can be trailer mounted at under 3.5 Tonne, offers onboard air and excellent suction.

What makes this special is that it was developed following disappointing trials of all other available equipment on the market. Streicher needed units for its contracting division and using its in-house development team designed, manufactured, and trialed the VC70.

The UK is the first country to market these units for sale, with all existing units being manufactured for internal use, where they have been utilised for some time with great success. Support and feedback from operators led to the product on offer today. This is truthfully a case where it can be said that the VC70 has been built by contractors for contractors. ■



SPONSORED BY:

TRACTO



VARIED SEALING PROJECT ACROSS THE UK

Grout Filling
JN Bentley and
Yorkshire Water

Steve Vick International (SVI) recently carried out a project for JN Bentley on behalf of Yorkshire Water. The project involved filling with cementitious grout a 180 m length of 300 mm diameter abandoned sewer pipes. SVI's Contract Service teams is known for providing on-site solutions to a wide variety of pipe decommissioning and renewal problems and the project for Yorkshire Water was no exception.

SVI's team mixed 6 t of grout on-site using a specially adapted grout rig and injected it directly into the 300 mm diameter decommissioned sewer pipe. The filling operation took one day to complete. JN Bentley's site manager, David Athersmith commented: "I had the pleasure of working with Steve Vick International on this project to decommission a sewer, and I must say that their grout filling operation was a tremendous success. As the site manager, I was particularly impressed by how efficiently SVI's team handled the task. It is essential to seal off the void during the decommissioning process and SVI's grouting technique ensured that the sewer was entirely sealed off. This was critical to prevent the passage of water, odour, and vermin. The team provided a professional service and understood our requirements for safely sealing off the sewer. I highly recommend Steve Vick International for any decommissioning project, and I look forward to working with them again in the future." >



SPONSORED BY:

TRACTO



An overview of the
Grout Filling site for
Yorkshire Water

Grout filling is just one of the techniques used by the SVI Contract Service team working in the gas, water, nuclear, and civil engineering sectors. SVI's Contract Service is a core function of the business, with teams based throughout the UK and overseas. Other grout filling projects have included filling abandoned fuel lines at Heathrow Airport, filling annular spaces in pipes on the A2 railway crossing at Dartford, and supporting Anglian Water with one of the largest infrastructure projects in Europe, which involved grout filling operations on the new pipework running under road sections across a 34 km stretch.

SVI's Contract Services team provides innovative solutions to complex pipe renewal and decommissioning projects. The team's expertise, coupled with their state-of-the-art equipment and technology, ensures that projects are completed safely, efficiently, and to the highest standards. The success of the project for Yorkshire Water is a testament to the team's commitment to excellence and their ability to deliver outstanding results.

Harwell Bepo Storage Block

RSRL Harwell first approached Steve Vick International about the use of its technology to tie down contamination after initial investigations by Aurora Health Physics revealed higher levels of contamination than anticipated inside storage tubes. SVI was asked to provide a proposal for the project which was to be one of the most technically challenging foaming operations SVI had attempted. An initial testing programme that took 8 weeks to complete was carried out by SVI technicians at the company's testing facility in Bath. The testing proved the concept and RSRL gave the go ahead to design, supply and install the Foambags™ and mass fill the storage tubes. >



SPONSORED BY:

TRACTO



Preparing the grout for installation on the Yorkshire Water site

"I have been really pleased with the work carried out by Steve Vick International in conjunction with Aurora Health Physics Services Ltd. From our initial discussions, through the trials and on to implementation, the approach has always been positive and helpful."

As Steve Vick International does not currently have its own Health Physics operatives, RSRL suggested that SVI should work alongside Aurora Health Physics whose extensive knowledge of the site and its facilities along with its initial characterisation of the storage block would prove invaluable.

An excellent working relationship between the three companies enabled the project to progress smoothly and any unexpected tube configurations or features within them could be overcome quickly so that the project was delivered on time and with zero incidents.

Foambag™ Deployment

Due to the nature of the site, a Steve Vick Project Manager provided training for Aurora personnel so that they could carry out the Foambag™ installations within the containment tent. SVI Technicians remained in a non-active area and supplied the foam injection through a manifold in the containment tent wall using a SVI Mix & Inject machine. The machine is capable of injecting large quantities of expanding PU foam over distances of up to 75 m through umbilical lines. The technique was used on all of the BEPO storage tubes with great success. Communication was maintained throughout the operations via 2-way radio.

The storage block also contained 175, 35mm diameter x 8,000mm long tubes that required sealing at both ends before foam filling could take place. Steve Vick International designed and supplied a kit that could be installed by Aurora operatives after a brief familiarisation with the technique. The kit consisted of a bespoke fabric Endcap, set quantity of expanding non-porous foam and a reusable applicator gun and cartridge.

Each of the BEPO storage tubes was open-ended and a system was required that could seal the open ends to prevent the void filling foam from spilling into the containment tent area. Steve Vick International engineers developed a Foambag™ system to form a plug at the open end of the tubes which once cured in place would provide an injection point for PU foam to fill the void behind the Foambag™ and a vent point to allow displaced air out of the tube and through a filter. The adhesion properties of the Foambag™ allowed SVI technicians to fill the void behind without the risk of foam entering the tent.

Commenting on the success of the project Jon Blackmore, RSRL, Senior Project Manager said: "I have been really pleased with the work carried out by Steve Vick International in conjunction with Aurora Health Physics Services Ltd. From our initial discussions, through the trials and on to implementation, the approach has always been positive and helpful. The way that the various issues that came up during the implementation phase were addressed was great, with practical solutions developed, discussed amongst the project team, and then put into action with minimal fuss." ■



TRAIN WITH PICOTE

SANDHURST | WHITBURN | VIRTUAL



Contact: training@picotesolutions.com | www.picotegroup.com



We can strengthen the cities we love

Amiblu®

Pipes designed for generations

Amiblu NC Line

Non-circular pipe profiles in all shapes and sizes

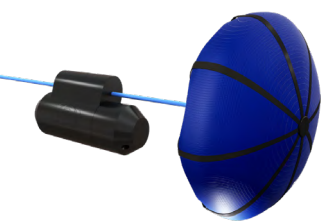
- Sustainable rehabilitation of urban pipe networks
- Open cut and trenchless installation
- Excellent structural stability
- Increased acid resistance
- Asset lifetime 150 years+

www.amiblu.com
united.kingdom@amiblu.com
Tel: +44 7786 013574



SUCCESSFUL LONG RANGE PIPE INSPECTION PROJECTS IN HONG KONG

Chlorination of the unit



Pipescout™

PIPA was recently contacted by a water contractor in Hong Kong. The water utility had identified leaks on a twin line water pipeline and wanted to find a solution to survey long ranges utilising limited access fittings. Due to the pipeline depth, configuration of multiple bends and changes in pipe diameters and elevations, using free floating devices and traditional techniques the client could not get the results required.

Challenges

The pipeline is a twin pipeline taking water supplies from a fresh water reservoir supplying a large area of Kowloon region in Hong Kong. The pipeline is built with bitumen lined steel pipes with multiple lateral and vertical bends due to its location and elevation. The pipe runs at 9 bar pressure.

The client utilised external specialist leakage teams and searched for leaks over several weeks using methods including:

- Noise correlators – where several leaks resulted in dry excavations
- Listening stick – Pipeline was deeply sited below ground so this technique was not feasible
- A specialist camera contractor for water mains, however too many bends were identified

This had a major knock-on effect, as the client cannot proceed with a localised repair solution and also may require weeks of road closures and additional excavations. >

SPONSORED BY:

TRACTO

Extraction site



Cable floated down live water pipelines

Pipascout
insertion site

Utilising PIPA Technology

The Pipescout™ system offers long range pressurised floating pipe assessments that include CCTV, Leak location and pipe tracing up to a range of 5 km.

PIPA uses technology that includes a pressure rated hydrophone capsule tethered to a 5,000 m cable to give the operator recorded audio data during an inspection. The system enters a pipeline via an 80 mm riser and is fully chlorinated during its insertion. The system works on a live basis, with no interruptions to the client's services and can cover a distance of up to 5 km per day.

During this inspection in Hong Kong, it was noted that there were over 50 bends successfully covered plus additional vertical bends not marked on the 'as laid' drawings supplied.

The unique water safe cable can be installed and left inside pipelines as part of an ongoing monitoring process. This means that the lines can be inspected every year to quickly identify all new leaks as they occur. The system also offers pipe contractors a failsafe on all new pipe installations.

The technology is the latest live main inspection system on the market being fully battery powered and only requires a 2-person team for its Implementation. >

SPONSORED BY:

TRACTO



Multiple bends identified during survey route

“The contractor had exhausted all other pipeline inspection avenues, and was more than relieved when we offered a solution.”

Survey results

PIPA successfully surveyed 2 pipelines and the tethered insertion technology system allowed for precise location of the leaks to be identified. Other advantages included:

- The acoustic system is very sensitive and able to pick up small and large leaks
- The operator was able to identify no other leaks with joints identified in close proximity to each other
- The system is portable and was carried 100 m uphill to the entry point and is self-powered using batteries
- The complete survey and pipe evaluation was completed in one insertion
- The Pipescout™ successfully navigated 50 bends including 90°, vertical and horizontal bends during the survey
- Three more pipe inspections have been awarded for August 2023

It would have been very difficult and expensive for contractors to find the remaining issues within the water mains. The long range tethered acoustic capability proved indispensable for locating issues and troubleshooting pipelines even with multiple bend configurations.

PIPA completed the pipe inspections in just 1 working day per pipeline. The water utility client was impressed by the quick procedure to install a monitoring cable and complete the long-range tethered leakage inspections undertaken by PIPA. All cables have been left in place and safely secured at each end of the pipelines for future pipe analysis.

A PIPA representative said: “The project was a great success. Ideal due to pipe location and material and also a great case study for our company. The contractor had exhausted all other pipeline inspection avenues, and was more than relieved when we offered a solution.”

PIPA has also delivered successful projects with the majority of the UK water utility companies and is now seeking partner operators for the Pipescout™ technology globally. ■

SPONSORED BY:

TRACTO



TRENCHLESS ASIA 2024

26-27 June

SMX Convention Center Manila, Philippines

The thirteenth event in this outstanding series travels to Manila.

TRENCHLESS ASIA is the major annual international gathering for trenchless technologists to meet and discuss the latest industry developments featuring:

- Trenchless Technology
- Underground Infrastructure
- Pipeline Technologies
- Underground Utilities
- Trenchless Solutions for Urban Flooding
- Knowledge Transfer
- Green Technology



**BOOK
YOUR STAND
TODAY**

For more details regarding exhibiting and sponsorship opportunities please contact:

Paul Harwood at pharwood@westrade.co.uk or +44 (0)1923 723990

Stuart Hillyard at shillyard@westrade.co.uk or +44 (0)1923 723990

Organised by



Supported by



Official Media Partner

TRENCHLESSWORKS

Platinum Sponsors



www.trenchlessasia.com



SOCIETY NEWS istt.com

ISTT News brought to members by Trenchless Works

A MESSAGE FROM THE CHAIR



Keh-Jian (Albert) Shou,
Chairman, ISTT



Hi ISTT members

I would like to share my experience with you the recent No-Dig conference I attended, the SÃO PAULO NO-DIG SHOW 2023. It was held extremely successfully for three days between 4 and 6 July, 2023, with a record-breaking number of 48 papers, 39 exhibitors, and 776 attendees. In the following few months, I plan to attend No-Dig Under 2023 in Brisbane, Australia and No-Dig Poland in Krakow. Again, I must say our field is extremely vibrant, especially in the emerging market countries, as the exhibition was full of people. I will try my best to join as many events as possible to encourage our Affiliated Societies.

For the International No-Dig Mexico, being held between 17 and 18 October, 2023 in Mexico City, preparations are well underway. To encourage and allow more attendees, we have decided to provide concurrent Spanish translation. Please be aware that we will have other activities like the ISTT International Council Meeting, ISTT Awards as usual, a student paper competition, etc., please prepare and submit your applications. To make sure you have a smooth travel experience, please kindly book your ticket and hotel as early as possible.

ISTT is trying to provide more services to its Affiliated Societies through its website. In addition, we continue to hold the ISTT educational webinars, that can be subsequently replayed in the member space. We will have more educational webinars over the next few weeks. However, please keep watching our new developments, and feel free to provide us with your comments or suggestions. I am looking forward to seeing you soon either during our webinars or at the various No-Dig events.

With my Best Wishes!

Keh-Jian (Albert) Shou
Chair, ISTT

SPONSORED BY:

TRACTO

Sao Paulo No Dig
2023, Brazil



istt.com

SOCIETY NEWS

ISTT News brought to members by Trenchless Works

Caption?

ISTT EDUCATIONAL WEBINAR

ISTT is pleased to announce the latest webinar: Evaluation Of Jacking Forces In Weathered Geology: Geomaterial Characterisation And Deep Learning Techniques which take place on 29 August 2023 at 10:00 US EDT

The speaker will be Dr Chung Siung Choo of Swinburne University of Technology, Sarawak Campus.

The webinar focuses on the evaluation of frictional jacking forces for drives traversing fractured and weathered 'soft rocks'. Some methods are presented for deriving equivalent rock strength parameters for the prediction of frictional jacking forces, including shear box testing on tunnelling rock spoil and in situ pressure meter testing. However, existing frictional models are dependent on the strength parameters of the traversed geomaterials, with minimal focus on the significance of pipe jacking operation parameters. Case studies are presented, showing the application of deep learning techniques for visualising the influence of various operation parameters on jacking forces.

Dr Choo is currently a Senior Lecturer at Swinburne University of Technology, Sarawak Campus. He has 12 years of working in both academia and industry. He obtained his BEng (Civil) (Honours) in 2010. Subsequently, he went on to complete his PhD, producing a thesis titled 'Development and assessment of equivalent rock strength parameters for the back-analysis of pipe-jacking forces'. Since then, he has contributed articles in various journals, including Journal of Geotechnical and Geoenvironmental Engineering, Engineering Geology, and Tunnelling and Underground Space Technology. He currently serves as a committee member for the Malaysian Association for Trenchless Technology (MATT). ■

Click here to register:

<https://www.istt.com/index/webapp-registrant-form/id.21>

SPONSORED BY:

TRACTO

SOCIETY NEWS

ukstt.org.uk

Society News brought to members by Trenchless Works

WELCOME FROM THE CHAIR



Ian Ramsay, Chair, UKSTT

Well already half the year is over and we continue to see articles in the press regarding another Water Company in crisis. The whole issue brings to the forefront the discussion relating to the privatisation of the water companies in 1989. Water Companies are being heavily criticised over performance following a series of sewage discharges and as asset owners they are responsible for the maintenance and repair of these assets.

In fact, since privatisation, the actual spend on asset maintenance has reduced as a percentage compared to pre-1989. Yes, there are large multi-billion projects, such as the Thames Tideway Tunnel, which has been designed to capture at least 94% of the millions of tonnes of sewage that overflows in the tidal Thames every year from the existing aging Victorian sewer system. However, while this is great, the feeder pipes, laterals and rising mains that are feeding into this need to be maintained to prevent overflows. Lack of investment is the main issue, but the technologies and innovations are out there. Trenchless techniques have been around for many years but are not being used as much as they should be.

The UKSTT, as well as many other organisations, continues to educate and raise awareness of technologies such as trenchless but it is an arduous task. However, we will continue to do this and hold events to promote what the industry has to offer.

I am planning a meeting with TfL (Transport for London), Thames and Government representatives later in the year to discuss these issues. I will keep you informed.

Ian Ramsay
UKSTT Chair



UKSTT Annual Awards Dinner 2023

Join us for the annual UKSTT Awards Dinner on the evening of Wednesday 29 November in partnership with Westrade Group at the Bristol No-Dig Roadshow, De Vere Tortworth Court.

Venue: De Vere Tortworth Court, Tortworth,
Wotton Under Edge, GL12 8HH

Dress Code: Black Tie Preferable

Date: Wednesday 29 November

Time: 7.00pm till late

Tickets: Early Bird Rate £185 + VAT
Standard Rate £210 + VAT

Early bird tickets must be booked and paid for by 31 July 2023

On arrival, guests will enjoy a festive champagne reception before sitting down to enjoy a fantastic 3 course meal. The event will showcase and recognise this year's best performing and most innovative trenchless technologies.

We are pleased to announce our guest speaker will be Kyran Bracken MBE.

CLICK TO
BOOK
TICKETS
NOW

Further details are available - www.nodigroadshows.co.uk/ukstt-awards
Sponsorship opportunities are available – please contact Trevor Dorrell
Email: tdorrell@westrade.co.uk. Tel: +44(0)1923 723 990

Hosted by



Organised by



Official Media Partner

TRENCHLESSWORKS

SOCIETY NEWS

ukstt.org.uk

Society News brought to members by Trenchless Works

UKSTT MEMBERSHIP SERVICES SUB-COMMITTEE REPORT



Leon Woods
Membership Services co-chairs



Dawn Greig
Membership Services co-chairs

We have had a very busy time within the membership services committee and spreading the workload through three working group committees seems to be working well so far. The following is a review of actions and discussions the three working groups have been developing from the start of this year.

Communications and Marketing – Andy Gundry, who chairs this committee, has been working on developing 'Tech Bursts' short bites of technical information aimed to raise awareness of the different trenchless techniques available and to encourage people to the UKSTT website where the full details can be found. This is due to go live shortly so watch this space!

You have probably heard already but the UKSTT Annual Dinner & Awards Ceremony is taking place in November this year with a nice festive theme. More on the dinner can be found further on in the magazine but this committee has worked hard in refreshing the 'Dinner' brand and created a new look which we hope you like.

We also invested in some new 'Lightbox' banner stands which made their debut during the NODIG Roadshow in Glasgow, we hope you like the design we created.

Membership Working Group – Chaired by Phil Steele, this committee is looking at retention over the last five years and how we can improve our services to our members. This is an ongoing project and any comments from our members would be greatly appreciated, just email them to admin@ukstt.org.uk and we will pass them all onto the committee to review.

We have recently contacted all of our Patrons for testimonials relating to the benefits they receive from membership of the UKSTT. The results were great and our marketing committee was able to use them to create a flyer proudly exhibited during Glasgow Roadshow.

Awards Dinner, Webinars & Corporate Social Responsibility – Colin Tickle heads up this committee and as you can imagine this is a very busy and exciting time for us while we are planning the UKSTT Annual Dinner and Awards Ceremony. The venue has been confirmed, we are pleased to announce Kyran Bracken as co-host and speaker, the charities have been agreed and Julian Britton will be accepting his Lifetime Achievement Award. We have just held a webinar with the Pipeline Industries Guild under our 'Green Alliance' collaboration. The webinar was presented by Peter Henley, WRc on 13 July on 'Balancing the need to tackle overflow spills against Net Zero targets'. ■

SOCIETY NEWS


ukstt.org.uk

Society News brought to members by Trenchless Works

UKSTT TECHNICAL & EDUCATION SUB-COMMITTEE REPORT



Iain Naismith
Technical & Education
sub-committee Chair

Working Group 1 Standards, Research & Awards – Chair Richard Swan

Richard has formally been approved as chairperson for BSI's working group PRI/88 /3 for Rehabilitation of pipeline systems using plastics piping materials and components. He is replacing Dr John Gumbel. PRI/88/3 - Under the direction of PRI/88, is responsible for the UK input to ISO/TC 138/SC8 and CEN TC 155/WG17 and for standards for plastics piping systems and components for renovation of pipelines. Along with Norman Howell, Richard attended a B/505/13 meeting (draft standard on the rehabilitation of pipes in buildings). We are now looking for someone to represent UKSTT on this committee who has a knowledge of rehabilitation of pipelines using plastic piping materials and components. Any member of UKSTT that meets this criterion and who would like to sit on this committee can get in touch with Richard by emailing admin@ukstt.org.uk for further information.

It is also a very busy time with Award entries coming in and we are very fortunate to have Steve Butterworth and Norman Howell managing this section.

Working Group 2 Events – Chair Iain Naismith – We have recently got back from a very successful Roadshow in Glasgow. The presentations were well received, and the exhibition area was full of wonderful innovation and knowledge. We are now working on compiling a programme for Bristol so will update you with more information when we have it. Also under discussion is the next topic for our masterclass. What would you like one on? Let us know we would be pleased to hear from you. Six months into 2023 we are also working with Westrade and planning on area's for NODIG Roadshows to take place next year! We will keep you updated.

Working Group 3 - Education, Client Organisation & Patrons – Tim Sargent

Tim's group has been busy identifying the gaps in the UKSTT database to find out who we need to engage with to improve the energy side of trenchless technology. This is a huge job and will take time, but we do consider this an area that needs to be improved on. This committee is also dedicated to improving relationships with our Patrons and to discuss arranging visits to them with our members and helping to keep the supply chain connected. Working closely with the Marketing Working Group we were pleased to receive such great testimonials from our Patrons. ■



Meeting in progress

SPONSORED BY:

TRACTO

SOCIETY NEWS


ukstt.org.uk

Society News brought to members by Trenchless Works

GLASGOW NO-DIG ROADSHOW 2023

The second of the 2023 roadshow series took place in Glasgow on the 15 June and focused on Scottish Water's drive for innovation and need for, and use of, Trenchless Technology.

The journey to Glasgow was long, but a brief break at Gretna Green provided a perfect opportunity to stretch our legs and be amateur photographers for a just-married couple! Fully refreshed we carried on into Cumbernauld and the Westerwood Hotel, the chosen venue for the following day's roadshow.

The conference programme was split into three sessions, with speakers coming from Scottish Water, Caledonia Water Alliance, Environmental Techniques Good Friday Robotics and UKSTT. The breaks provided a perfect opportunity for a bit of networking whilst also visiting the exhibition area where 23 exhibitors were showcasing their products and innovations.

UKSTT members exhibiting at the roadshow included Amiblu Norway AS, Bluelight Lining, Die Draw Ltd, Hermes Technologie, IMS Robotics Ltd, Picote Solutions, Relineeurope, RSM Lining Supplies, S1E, Sanivar UK, Steve Vick International, Synthotech Ltd, Trenchless Sales UK Ltd, UIS and new member Reinert-Ritz.

The show was a resounding success and we are all looking forward to the next one in Bristol on Wednesday 29 November 2023.

Thank you to Westrade Group for organising a great event, PE100+, Reinert Ritz, Steve Vick and UIS Ltd for sponsoring the event and Scottish Water for supporting it and lastly but certainly not least, to the UKSTT technical committee and UKSTT Council members for compiling a great programme and for their support on the day. ■

NO-DIG ROADSHOWS 2023

2023

NO-DIG ROADSHOW

JOIN US AT THE FOLLOWING EVENT:
NO-DIG ROADSHOW & UKSTT
ANNUAL AWARDS BRISTOL

Wednesday 29 November 2023

To book please contact:

Trevor Dorrell, tdorrell@westrade.co.uk

Kathryn Boi, kboi@westrade.co.uk | +44 (0)1923 723 990 |

www.nodigroadshows.co.uk



Organised by



Supported by



Official Media Partner

TRENCHLESSWORKS

SOCIETY NEWS


ukstt.org.uk

Society News brought to members by Trenchless Works

JOIN THE UKSTT

Are you looking to make a difference in the field of Trenchless Technology?

Do you want to be part of a leading organisation that supports the advancement of science and practice in this field?

If so, UKSTT is the right choice for you.

UKSTT is a not-for-profit organisation that was established to advance the science and practice of Trenchless Technology for the public benefit. It was founded in 1993 and since then has been dedicated to providing the best possible education and training opportunities for those in the industry. It is recognised by the industry as the authoritative source of information and advice on the best practice and application of Trenchless Technology.

UKSTT offers a range of webinars, conferences and Masterclasses that are designed to keep members up to date with the latest developments in the industry. It also provides access to experts in the field and offers a wide range of resources for members to use when planning projects, including a FREE technical enquiry service.

Joining UKSTT is a great way to get involved in the field of Trenchless Technology. By becoming a member, you will be part of a network of professionals who are passionate about pushing the boundaries of this industry. You will be able to stay informed of the latest developments and have access to the best resources available as well as having opportunities to network with other like-minded members and learn more about the industry. The organisation also provides a platform for members to share their knowledge and experience. This helps to ensure that the industry is continually evolving and growing.

UKSTT also acts as an advocate for members and the industry as a whole, promoting the best practice and use of Trenchless Technology. If you are passionate about Trenchless Technology and want to make a difference to the industry, then joining UKSTT is the right choice for you. By becoming a member, you will be part of a network of experts and have access to the latest developments in the field. You will also be able to share your knowledge and experience and help to improve the industry.

So why not join UKSTT today and make a difference? ■

www.ukstt.org.uk/joining-the-ukstt/



SPONSORED BY:
TRACTO

TRENCHLESSWORKS

SOCIETY NEWS

ukstt.org.uk

Society News brought to members by Trenchless Works

TECHNICAL ENQUIRY SERVICE



it's
FREE!

email admin@ukstt.org.uk

* we have an extensive list of members experienced in all aspects of trenchless technology

* UKSTT Council has a dedicated technical sub committee to offer advice, support and guidance

Would you like help with a current project? Do you wonder if there is a trenchless solution?

The UKSTT website has a dedicated link for visitors to raise any technical enquiries they may have regarding trenchless technology and whether it may be applicable to any specific project:

<https://www.ukstt.org.uk/technical-enquiry/>

UKSTT has had some interesting enquiries recently ranging from invitations to tender in various locations of the UK and Europe while others received are looking for advice and proposed solutions for projects currently on-going. All of these enquiries are circulated to our Corporate Members and if more detailed advice is required UKSTT has a dedicated team who will advise separately. All technical enquiries are stored on the members only area of the UKSTT website.

For all your trenchless solutions and latest news visit the UKSTT ■

Website <https://www.ukstt.org.uk/>

SPONSORED BY:

TRACTO

HOSTED BY



SUPPORTED BY



SUPPORTED BY



CHINA PARTNER



OFFICIAL MEDIA PARTNER

TRENCHLESSWORKS

NO-DIG TÜRKİYE 2023

31 October / 01 November 2023 - Istanbul
WOW Istanbul Hotel & Convention Center

TRENCHLESS TECHNOLOGIES,
INFRASTRUCTURE CONSTRUCTIONS
MACHINERY AND EQUIPMENT FAIR

NO-DIG TÜRKİYE 2023

Theme: **Earthquake Resilient
Underground Pipelines**

WOW Istanbul Hotel and Convention Center

31 October-1 November 2023

www.nodigturkey.com

In Conjunction With



7th WATER LOSS FORUM & EXHIBITION
SU KAYIP VE KAÇAKLARI FORUMU & SERGİSİ
31 Ekim/October - 01 Kasım/November 2023 - İstanbul

www.waterlossforum.org



ORGANIZED BY



Meşrutiyet Mah. Rumeli Cad. No:22
Rumeli Plaza Kat:7 Daire:7 Şişli / İstanbul
T. +90 850 309 38 51 | info@maven.events
www.maven.events

For Exhibition and Sponsorship Enquiries
burak@maven.events
+90 542 308 79 74

For General Enquiries
ufuk@maven.events
+90 533 405 56 72



NORTH AMERICAN SOCIETY FOR
TRENCHLESS TECHNOLOGY

TRENCHLESS TIMES

2024 NO-DIG SHOW



APRIL 14-18 | PROVIDENCE, RI

NO-DIG SHOW

2024

Municipal & Public Utility Scholarship Award

"This event allows you to meet and talk with manufacturers, installers and end users who are not normally the case at other shows. Thank you for the opportunity."

— Joe Devito, Beaufort Jasper Water and Sewer Authority

NASTT's 2024 No-Dig Show Municipal & Public Utility Scholarship Award has been established to provide education and training for North American municipalities, government agencies and utility owners who have limited or no travel funds due to restricted budgets. Selected applicants will be awarded complimentary full conference registration to the NASTT 2024 No-Dig Show in Providence, RI, April 14 – 18. Registration includes full access to all exhibits and technical paper sessions... all you have to do is get yourself to the conference! Certain applicants will also be eligible to receive overnight accommodations. Selection based on responses to the application as well as need.



**Apply today! Application deadline is
October 30, 2023.**

nodigshow.com/no-dig-show-municipal-public-utility-scholarships

NO-DIG NORTH

The NASTT Canadian chapters work together to host No-Dig North, a must-attend event for underground infrastructure professionals doing business in Canada. The show consists of two days of technical paper presentations and industry exhibits in the trenchless technology field. Who Should Attend? The following professionals will benefit from this conference:

Municipalities: public works officials, construction and rehabilitation personnel, engineers, senior city staff and elected officials

Contractors: sewer, water, gas utility, industrial, pipeline, damage prevention and safety

Consulting Engineers: firms serving the underground infrastructure and industrial markets

Gas/Electric Utilities: officers, managers, construction, maintenance and rehabilitation personnel

Pipelines and Energy: officers, managers, construction and maintenance personnel for transmission pipeline construction, rehabilitation and maintenance

Industrial Facilities: construction and maintenance personnel, engineers and environmental assessment personnel

Damage Prevention: personnel involved in managing damage prevention and safety issues

Join us October 23-25 at the Edmonton Convention Centre in Edmonton, AB.
Visit nodignorth.ca for details and registration.

Upcoming CONFERENCES, COURSES & EVENTS

September 28

Gas Good Practices
VIRTUAL

October 11

Trenchless Elevated 2023
Golden, Colorado, USA

October 17-18

ISTT International No-Dig
Mexico City, Mexico

October 23-25

No-Dig North 2023
Edmonton, Alberta, Canada

November 16

**Municipal Sewer Grouting
Good Practices**
VIRTUAL

December 13-14

Pipe Bursting Good Practices
VIRTUAL

April 14-18, 2024

NASTT 2024 No-Dig Show
Providence, Rhode Island, USA

October 21-23, 2024

No-Dig North 2024
Niagara Falls, Ontario, Canada

March 30 – April 3, 2025

NASTT 2025 No-Dig Show
Denver, Colorado, USA

March 29 - April 2, 2026

NASTT 2026 No-Dig Show
Palm Springs, California, USA

**For more information and
the latest course offerings,
visit nastt.org/training/events.**



NASTT.ORG

educate • train • research • publish



AFFILIATED SOCIETIES

ISTT Affiliated Societies around the world



Austrian Association for Trenchless Technology (AATT)

c/o TU Wien Resselgasse 5,
1040 Wien, Austria
Phone: +43 664 5184084
Email: office@grabenlos.at
Web: www.grabenlos.at



Brazilian Association for Trenchless Technology (ABRATT)

Alameda Santos, 1773 – Jardim
Paulista Sao Paulo
01419-002 Brazil
Phone: +55 11 983893450
Email: hrosas@abratt.org.br
Web: www.abratt.org.br



Australasian Society for Trenchless Technology (ASTT)

18 Frinton Place Greenwood,
6024, WA, Australia
Phone: +61 (0)8 9420 2826
Email: jeffpace@astt.com.au
Web: www.astt.com.au



Bulgarian Association for Trenchless Technology (BATT)

Kaprinka Lake Village Kazanlak
6100, Bulgaria
Phone: +359 2 4901381
Email: info@batt-bg.org
Web: www.batt-bg.org



China Hong Kong Society for Trenchless Technology (CHKSTT)

Tsimshatsui Post Office 91499 Kowloon
Hong Kong
Phone: +852 9201 1952
Email: chkstt@gmail.com
Web: www.chkstt.org



China Society of Geology - Trenchless Technology Committee (CSTT)

Xicheng District Room 151, 26
Baiwanzhuang Street, Xicheng District,
Beijing 100037 China (PR)
Phone: +86 10 6899 2605
Email: yan64843889@126.com
Web: www.cstt.org



Chinese Taipei Society for Trenchless Technology (CTSTT)

3F, No 92, Roosevelt Rd., Sec. 4,
Zhongzheng Dist, Taipei City, 100
Taiwan
Phone: +886 2 2362 0939
Email: zoradrc@gmail.com
Web: www.ctstt.org.tw/en_index.asp



Czech Society for Trenchless Technology (CzSTT)

Bezova 1658/1, 147 14 Praha 4 Czech
Republic
Phone: +420 244 062 722
Email: office@czstt.cz
Web: www.czstt.cz



Danish Society for Trenchless Technology - NoDig Infra (DKSTT)

Odinsvej 29 Silkeborg Denmark
Phone: +45 50894489
Email: tina@juul-consult.dk
Web: www.nodiginfra.dk/nodig-infra/
startside



Finnish Society for Trenchless Technology (FISTT)

c/o Sari Pietilä, Haapasuonkankaantie 10
90830 Haukipudas, Finland
Phone: +358 504132484
Email: info@fistt.net
Web: www.fistt.net



French Society for Trenchless Technology (FSTT)

4 rue des Beaumonts, F-94120
Fontenay Sous Bo, France
Phone: +33 1 53 99 90 20
Email: contact@fstt.org
Web: www.fstt.org



German Society for Trenchless Technology (GSTT)

Kurfürstenstr. 129 (Building:
German construction association)
Berlin, Germany
Phone: +49 30 81 45 59 84
Email: beyer@gstt.de
Web: www.gstt.de



Italian Association of Trenchless Technology (IATT)

Via Ruggero Fiore, 41 Rome Italy
Phone: +39 06 39721997
Email: iatt@iatt.info
Web: www.iatt.it



Iberian Society for Trenchless Technology (IBSTT)

C/ Josefa Valcarcel, 8 – 3a
PTLA 28027, Madrid, Spain
Phone: +34 913 202 884
Email: ibstt@ibstt.org
Web: www.ibstt.org



AFFILIATED SOCIETIES

ISTT Affiliated Societies around the world



JAPAN SOCIETY FOR
TRENCHLESS TECHNOLOGY
一般社団法人 日本非開削技術協会

Japan Society for Trenchless Technology (JSTT)

3rd Floor, Reed-C Bldg., 2-11-18,
Tomioka, Koto-ku, Tokyo 135-0047 Japan
Phone: +81 3 5639 9970
Email: office@jstt.jp
Web: www.jstt.jp



Latin American Society for Trenchless Technology (LAMSTT)

Medellín Highway (Calle 80) KM3.5
via Bogotá-Siberia south side, Bogotá
Terrestrial Cargo Terminal, Office C-12,
Cota – Cundinamarca, Colombia
Phone: +57 1 8764675
Email: cistt.arlex.toro@lamstt.org
Web: www.lamstt.org



Malaysia Association for Trenchless Technologies (MATT)

No 44, Jalan Dungun, Damansara Heights,
Kuala Lumpur 50490 Malaysia
Email: trenchless@matt.org.my
Web: www.matt.org.my



North American Society for Trenchless Technology (NASTT)

22722 29th Drive SE, STE 100,
Bothell, WA 98021
Phone: +1 888 993 9935
Email: info@nastt.org
Web: www.nastt.org



Netherlands Society for Trenchless Technology (NSTT)

Postbus 79, 3769 ZH Soesterberg,
Netherlands
Phone: +31 346 723450
Email: info@nstt.nl
Web: www.nstt.nl



Polish Foundation for Trenchless Technology (PFTT)

Ul. Warkocz 14, 25 - 253 Kielce, Poland
Phone: +48 41 34 24 450
Email: parkaa@tu.kielce.pl
Web: www.pftt.pl



The Russian Society Trenchless Technology Association (RSTT)

Severnoy proezd 12, Balashikha Moscow
region, Russian Federation
Phone: +7 (495) 521 78 82
Email: gnb.06@mail.ru
Web: www.s-gnb.ru



Southern African Society for Trenchless Technology (SASTT)

1053 Hyde Avenue, Eldoraingne ext 1,
Centurion Gauteng, South Africa
Phone: +27 (0) 82 551 7458
Email: director@sastt.org.za
Web: www.sastt.org.za



Singapore Society for Trenchless Technology (SgSTT)

84 Toh Guan Road East, Singapore Water
Exchange, #02-02 608501, Singapore
Phone: +(65) 97124054
Email: singaporestt@gmail.com
Web: www.sgstt.org.sg



Scandinavian Society for Trenchless Technology (SSTT)

Gezelius väg 12, 134 31 Gustavsberg
Sweden
Phone: +46(0) 70 438 01 54
Email: Kontakt@sstt.se
Web: www.sstt.se



TRENCHLESS ROMANIA CLUB

Trenchless Romania Club

Kucukbakkalkoy Mah. Ali Ay Sok.
No:3/2 Roma Street, No. 16, District 1
Bucharest Romania
Phone: + 40724 550 830
Email: maria.nae@trenchlessromania.ro
Web: www.trenchlessromaniacub.ro



Turkish Society for Infrastructure and Trenchless Technology (TSITT)

Gayrettepe Mah. Huzur Sok. No:1A
Besiktas 34349 Istanbul, Turkey
Phone: +90 212 603 11 01
Email: info@akated.com
Web: www.akated.com



Ukraine Association for Modern Trenchless Technology (UAMTT)

83A Srednyaya Str., Odessa 65005 Ukraine
Phone: +380 50 3953280
Email: trenchless.as@novatec.ua
Web: www.no-dig.odessa.ua



United Kingdom Society for Trenchless Technology (UKSTT)

Camden House, Warwick Road,
Kenilworth, Warwickshire, CV8 1TH, UK
Phone: +44 (0)192 651 3773
Email: admin@ukstt.org.uk
Web: www.ukstt.org.uk

EVENTS AND MEETINGS

2023

September 13-14: ASTT NO-DIG Downunder
Brisbane Convention and Exhibition Centre
www.nodigdownunder.com

September 19-20: CzSTT-28th Conference and Exhibition
on Trenchless Technology-Tábor
Hotel PALCÁT
<https://czstt.cz/>

October 17-18: International No-Dig Mexico 2023
ISTT's 39th International No-Dig Conference
and Exhibition
Expo Santa Fe, Mexico
www.no-digmexico.com

October 31- 1 November: 7th Water Loss Forum
and Exhibition
Wow Istanbul Hotels and Conference Center
https://www.waterlossforum.org/en_US/

November 1-2: No-Dig Turkey 2023
Conference and Exhibition
Darulbedai Cad. No 4 Harbiye Sisli,
Istanbul 34367, Turkey

November 1-3 November: 18th International
ACUUS Conference
Singapore
www.acuus.org

November 8-9: STUVA-Expo 2023 in Munich
Messe München, Messegelände, Hall C1
81823 München, Germany
www.stuva-expo.de/en/start-stuva-expo-2023.html

November 29: No-Dig RoadShow Bristol
& UKSTT Annual Awards
De Vere Tortworth Court, Wotton Under Edge
www.nodigroadshows.co.uk

2024

June 26-27 Trenchless Asia 2024
SMX Convention Center Manilla, Philippines
www.trenchlessasia.com

October 1-3 No-Dig Live 2024
NAEC Stoneleigh Park, Warwickshire
www.nodiglive.co.uk

18-19 November: International No-Dig
Dubai 2024
ISTT's 40th International No-Dig Conference
and Exhibition
Dubai World Trade Centre, Dubai