

# INDUSTRY, COMPANY AND INSTITUTION NEWS AND RESEARCH



## NEW TOOL DEMONSTRATES CARBON EMISSIONS FALL USING TRENCHLESS TECHNOLOGY

Key players within the civil engineering and water sectors in Australia have united to tackle industry emissions by using a specialised carbon calculator.

Tailored to the unique requirements of the water industry, the tool is designed to inspire construction contractors to find new and innovative ways to reduce their emissions through trenchless technology and build a brighter future.

### CLIMATE CRISIS

The construction sector is responsible for approximately 20% of Australia's total carbon footprint. The largest contributors to these emissions are electricity, water and waste sectors, as well as the materials used on related sites. In an era where 94 Australian councils, home to over 34% of the population, have declared climate emergencies, it is now critical for them to embed environmentally conscious decision making into their infrastructure planning.

Specialist in water infrastructure, Interflow, has collaborated with the Australasian Society of Trenchless Technology (ASTT) and engineering consultancy, Mott MacDonald New Zealand, to give all ASTT members access to a specialised carbon calculator.

The calculator will enable water authorities, local councils and engineers to easily compare trenchless solutions to conventional 'dig and replace' methods. It will also provide them with visibility of the associated greenhouse gas emissions for water infrastructure projects across the board.

This provides water authorities and local councils with the power to make more informed decisions when designing their water solutions. It is also hoped the tool will encourage more companies to invest in sustainable methods and embrace the move towards trenchless technology.



*Interflow renews a series of culverts in environmentally sensitive area.*

## SPONSORS LINKS

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McElroy Manufacturing is the leading manufacturer of polyethylene pipe fusion equipment and provider of customer-driven solutions to PE engineers and contractors worldwide.

**STEVE VICK INTERNATIONAL**



Steve Vick International designs and manufactures products for the trenchless renovation and decommission of pipes worldwide. Products include Pipe Coil Trailers, Pipe Handlers and Pipe Cutting Equipment.



Akkerman develops, manufactures and supports quality pipe jacking, tunnelling, microtunnelling and guided boring equipment for the accurate installation of underground infrastructure over an extensive range of diameters and geology.

**The 4<sup>th</sup> TTC Annual Auger Boring School (ABS)**

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**OBJECTIVE:**

The Trenchless Technology Center (TTC) at Louisiana Tech University has teamed up with the Division of the Construction Engineering & Management at College of Engineering Purdue University to hold the 4<sup>th</sup> TTC ABS School in 2020. This 5-day school has been developed to provide students with the knowledge and background needed to understand the important components of Auger Boring (AB) operations required to produce successful projects. In addition to the classroom lectures, practical sessions will be held where participants will be offered hands-on experience with the AB equipment. The school will be instructed by the foremost experts in the country. The course covers all aspects of a project from design to construction, with special focus on safety.

This 5-day school has been designed for

- Contractors,
- Engineers,
- Project Superintendents,
- Foremen, Crew Members,
- Estimators,
- Public Officials,
- Educators,
- State Highway Department Representatives,
- Regulatory Agency Representatives.

**The 4<sup>th</sup> TTC ABS**

**Date:** Dec 7-11, 2020

**Time:** 8:00 am – 5:00 pm Daily

**Location:** Barbera Education, Research & Training (BERT) Facility, Louisiana Tech University

**At the end of this short course, students will receive 4 CEUs – 40 PDHs and a Certificate of Completion.**

**Organized by:**

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**Course Director**

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**Registration Fee**

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**Additional 10% discount for 3 or more attendees from same company.**

**For more information, contact:**

For registration or having additional questions, please contact Saleh, [she013@latech.edu](mailto:she013@latech.edu) Or Ms. Fredda Wagner, [fredda@latech.edu](mailto:fredda@latech.edu) (318.257.4072)

**Notice (COVID-19 Instructions):** the ABS will take place on Dec. 7-11 with a back-up for Jan. 11-15, 2021. The CDC COVID-19 guidelines will be followed for this event. If TTC has to postpone this event due to reasons beyond its control, TTC will not be responsible if they cannot make the backup date of Jan. 11 work, TTC will provide a full refund. All registrants will need to build travel flexibility into their plans.



In-house developer and manufacturer of lateral cutters, high-speed drain cleaning equipment, pipe coating systems, collapsed liner removal, root and scale removal tools.



Trenchless Group offers expert, cost-effective No-Dig solutions from contracting services to hire and sales on a wide variety of trenchless equipment across the UK and Ireland.

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## SUSTAINABLE SOLUTION

As one of the driving forces behind this initiative, Interflow is committed to initiating positive change in the industry. This involves conducting in-depth research and trialling new technologies to find the most sustainable ways to solve its customers' problems.

Interflow's Environment and Sustainability Manager, Anthony Ogilvie, explained how the calculator would work in practice. "It will compare the efficacy of trenchless technologies with traditional 'dig and replace' methods and also help water authorities and local councils choose between the growing selection of trenchless technologies available." he said.

Used in conjunction with other environmental management tools, it is predicted the calculator will improve the decision-making process of designers, constructors and entire supply chains, resulting in a reduction of infrastructure carbon.

## THE BENEFITS ADD UP

Being customer focused and environmentally aware requires service providers to take an adaptable approach to installing and maintaining their customers' services. Trenchless technology enables this flexibility, whilst reducing emissions.

By saving the time and costs associated with excavation, trenchless technologies are quickly becoming the preferred construction methods of choice for local councils and water authorities across Australia and New Zealand.

With over 84 years' experience in the water industry, Interflow has honed its trenchless capabilities over four generations to deliver its customers with bespoke solutions across what the Company has coined the 4 Waters: water, wastewater, stormwater and culverts.

"Trenchless technology is the way of the future with many benefits for our customers." Anthony said. "Interflow has been a market leader in water infrastructure solutions since 1936. It seemed only right that we helped the ASTT collaborate with its members to develop a tool that empirically showcased the environmental benefits of trenchless technology."

## FUTURE SUSTAINABILITY

By developing tools that support reducing our customers' construction related greenhouse gas emissions, Interflow and the ASTT members are spearheading 'green' innovation in the industry. Both organisations are constantly working to develop sustainable water networks to service the growing needs of Australasian communities for generations to come.

The ASTT has approved the business case and is currently working to make the tool available to its members. Website: [www.interflow.com.au](http://www.interflow.com.au)

## AEGION AWARDED REHABILITATION CONTRACT IN WESTERN CANADA

Aegion Corporation recently announced that its subsidiary, Insituform Technologies, has been awarded a two-year, US\$5 million contract to rehabilitate aging wastewater pipelines in Western Canada.

Insituform will rehabilitate more than 80,000 linear feet (24,384 m) of sanitary wastewater lines utilising trenchless technology rehabilitation.

This technology enables reduced overall project costs and minimises disruptions to residents. The project will consist of installation of a mix of small-, medium- and large-diameter cured-in-place pipe (CIPP) on wastewater pipelines, including full bypass.

Charles R. Gordon, Aegion's President and CEO, said: "This latest project in Western Canada is a result of our leading market position in North America, in both the U.S. and Canada, where the need to repair aging infrastructure is critical. We are excited that our trenchless technology solutions are continuing to help ensure the safe, effective delivery of municipal services to communities across the globe." The project began this summer and is expected to conclude in late 2021. Website: [www.aegion.com](http://www.aegion.com)

## SPONSORS LINKS

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RSM Lining Supplies offers CIPP lining systems, materials and ancillary equipment as well as expert lining consultancy services worldwide.



A 50:50 joint venture of Amiant Europe and Hobas Europe, Amiblu produces and supplies world-class centrifugally cast (Hobas) and filament wound (Flowtite) GRP pipes and fittings for all types of trenchless installations.



Flexible sliplining solution for the trenchless rehabilitation of pressure pipes.



Mammoth Equipment provides trenchless installation and related equipment for the safe installation or replacement of buried pipes, ducts and cables.



MTS Suction Systems UK is the UK and Ireland distributor for a market leading range of suction excavation equipment.



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