

Glamour reaches the UKSTT

The 21st UKSTT Annual Dinner & Awards Ceremony took place on 24-Apr-15 at the Holiday Inn, Birmingham, UK. The event was attended by nearly 170 VIPs and guests with entries into the awards from over 35 companies.

After a short 'welcome' speech by the UKSTT chairman, Ian Ramsay, the renowned Naturalist and 'Spring Watch' television host and environmentalist Chris Packham opened the evening. As well as his partner, Chris was accompanied by the "fastest & most glamorous" organism on the planet, a Peregrine Falcon. Peregrine Falcons can be found on every large land mass on the Earth, apart from New Zealand, and is the most successful raptor in the world. As a result have been used by Falconers for over 3,000 years. When tracking prey they can reach speeds up to 240mph in short bursts and kill the prey by punching it. They usually inhabit cliffs but are slowly moving into cities, perching on tall buildings, and have developed a new hunting technique using the glow from the city lights to allow night-time hunting. Chris had with him a 4 year old male from the Hawk Conservancy Trust (www.hawk-conservancy.org), unusually for the animal kingdom, the male is smaller than the female.



During the presentation of the short-listed entries, Chris highlighted a late entry into the New Installation category by NHS England "Chris Packham's Gut - years of abuse takes its toll" to much mirth in the room. Chris shared photographs of his recent endoscopy & colonoscopy with the recommendation of CIPP lining of the oesophagus followed by directional drilling into his stomach. He was quite relieved that it wasn't a scrape & epoxy reline.

This year's Annual Dinner & Awards Ceremony also saw the additional entertainment of "At Table" magicians during the meal. After the meal the evening was closed out by English writer and stand-up comedian Gary Delaney, who is widely regarded as being the most quotable comic on the circuit. The sheer number of outstanding gags left the audience struggling to remember them all.

The Charity for the evening was The Lighthouse Club. The donations from attendance at the event amounted to ~£1,260. All donations were put into a draw for the possibility of winning a Kindle Fire HD, donated by Mammoth Equipment Ltd. This was won by Anthony Price, Warwick University. There was also a Business Card drop draw to win a bottle of Champagne. This was won by Paul Horton, SBWWI.

Many thanks to our Sponsors:

- Platinum Sponsors – H5O & UIS



- Gold Sponsors – TT-UK, Vp U Mole, Picote, Bournemouth Water & Finish Society for Trenchless Technology



Bournemouth Water

- Silver Sponsors – Fluvius, Hammerhead, Trelleborg & Reline Europe



- Charity Prize – Mammoth Equipment



for supporting the event and our guests for attending and making it a successful evening.

A summary of the short-listed project can be found below:

- Renovation – Large (>£250k)

Sponsor: Bournemouth Water

Bournemouth Water

Southern Water, Atkins & Clancy Docwra Ltd

Heading Underground in Ramsgate – The Thanet Groundwater Scheme

Southern Water is undertaking a major upgrade of the 100yr old sewer network across the Thanet area of Kent which represents an investment to maintain the integrity of the sewers, reduce the risk of flooding & protect the environment. The project team have worked together developing new innovative solutions to overcome the wide range of challenges.



- Renovation – Small (<£250k)

Sponsor: Picote UK Ltd



Environmental Techniques & Guernsey Water

La Vauquiedor / Havilland Hall

Over 500m of 300mm diameter gravity sewer running through the grounds of Havilland Hall, the largest privately owned estate in Guernsey, was in need of rehabilitation. The pipe had originally been installed in the mid-1930's. Ground water infiltration had been identified. It was noted that the risk of wastewater exfiltration into the groundwater &/or surrounding water courses was significant & needed to be removed as quickly as possible.

Lanes Group plc

Lanes' Mission Impossible Saves the Day, Time & Money

Only Lanes would attempt CIPP rehabilitation of a sewer with 50% deformation. But using any other method at QinetiQ's Malvern site was risky for the international defence, aerospace & security specialist. So Lanes devised a new programme of works, saving £48k and 8 weeks on the project.

Wessex Water

'I Like the way you work it, No-dig'gity' in an emergency environment

Most water companies doubled the size of their sewerage networks over night on transfer of the private sewers in 2011. Wessex Water continue to grow & enhance the no-dig approach to their Repair & Maintenance emergency jobs working with OnSite, their framework partner, to bring major cost & customer benefits to the company.



3. New Installation

Sponsor: **FISTT**
South West Water / H5O



Ivybridge Bathing Waters Scheme

To further improve bathing water quality in South Devon, the installation of a 1.2m diameter tunnel, 150m long & 8m deep, enabled the connection of a new 1500m³ storage tank to the sewage network. The routing beneath the A38 dual carriageway, delivered in only 5 weeks, avoided significant disruption to the local community.

South West Water / H5O
Truro DG5

To remove a number of properties in Truro city centre from the flood risk register, South West Water's Delivery Alliance, H5O, upsized the existing sewer network, utilising a timber heading tunnel & auger bore. The team's innovative approach to constructing this project in such a sensitive geographical area was nothing short of remarkable.



Terra Solutions Ltd

Farringdon Station C435

Terra Solutions Ltd. have installed 37m of 300mm Naylor Denlock pipe using a front-steerable 'Terminator' auger boring/TBM hybrid trenchless solution in hard flint-laden Upnor formation with >100 n-values, for cross-passage drainage from Farringdon Eastern Tunnel. Works carried out from a crowded and restricted shaft to perfect line/level all to programme and budget.

4. Small Scheme (<£100k)

Sponsor: **U Mole, a division of Vp plc**
DrainTec Solutions Ltd



Strathclyde Park Loch made ready in time for the Triathlon Event, Glasgow Commonwealth Games

A total of £1.2 million was invested in Strathclyde Country Park, one of Scotland's premier water sports centres, to help ensure that its Loch would be ready to host the triathlon competition during the 2014 Commonwealth Games. This included a CCTV survey followed by cleaning & repair of all sewers & CSOs that spilled into the River Calder which fills Strathclyde Park Loch.

Electro Scan (UK) Ltd & Consultant Property Services Ltd

Going Where No Camera has Gone Before



Electro Scan technology was able to inspect pipes that were suspected of being subject to ground water infiltration where previous CCTV inspections had failed to identify the source due to visual issues, obstructions &

mobility problems. The project was on time, on budget & environmentally sustainable while producing quantifiable results.



PBF Drainage

Trumpington Road, Cambridge

An innovative NO DIG solution to a problem project with restricted access. Designing & installing a bespoke steel shell reinforcing liner to a 300mm sewer enabled further work to be carried out grouting up and adjacent void via manholes & causing no traffic impact.

5. Product Innovation

Sponsor: **H₂O**
Picote UK Ltd



The Picote Pipe Cutter for Overshot CIPP Lining

Quickly & easily remove excess cured liner that has overshot during lining process into the main line. Cut the excess piece through the lateral. For longer excess pipe, cut smaller pieces at a time until the desired length has been removed.

UIS

Transmatic™ Coil Trainer

The UIS Transmatic™ is the first coil trailer to fully incorporate pipe pushing technology. It improves safety, productivity & efficiency, & is designed to ensure compliant & controlled dispensing operations of coiled PE pipes at all times. It is strong & robust enough to cope with site conditions, but can also be easily manoeuvred to the point of insertion, providing easy access to the host main.

WRc

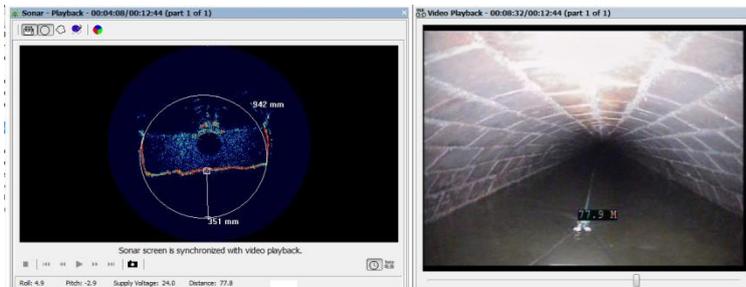
Sahara Conductivity Survey Tool

WRc have developed a sensor, that by detecting changes in electrical condition through the pipe wall, is able to accurately locate leaks or metallic fittings. The tool uses a proven technology to transport the sensor along the pipeline allowing plastic pipelines of 100mm diameter or greater to be inspected while they are still in service. There is not upper limit on the size of pipe that could be surveyed using this technique.



6. Innovative Scheme

Sponsor: **TT-UK**
Environmental Techniques
Dublin City Centre Sewerage Scheme



The City Centre Sewerage Scheme included Dublin City Centre & Docklands area. It straddles the River Liffey. This highly urbanised catchment has a mix of residential, industrial, commercial & tourist uses. A comprehensive survey was carried out to assess the structural condition of ~80km of the ageing

& complex drainage system as well as build & verify the hydraulic model.

UIS

Use of UIS Click Stick™ by SGN

The Click Stick™ allowed the safe connection to a newly inserted 63mm PE main. The excavation contained various other utilities, e.g. water mains, electric cables, ducts. This meant it was impossible to safely use a traditional mains breaking tool or hammer in the excavation. However, Click Stick™ allowed the 4" CI main to be removed, exposing the live 63mm PE inside.

UIS

Use of Transmatic™ Coil Trainer by Balfour Beatty

The UIS Transmatic™ Coil Trailer & the UIS Power Push allows users to reduce the amount of plant, machinery & labour required to complete insertion activities. This technology was used by Balfour

Beatty on their Boston 5 Scheme resulting in a reduction in the number of pits dug, put the scheme back on programme (previously 3 weeks behind) and saved labour/plant costs due to the Scheme finishing early.

7. Young Engineer

Sponsor: **UIS**

Liam MacFarlane, Wessex Water

Broad Road, Bristol – Determined to be Trenchless

There cannot be many opportunities to use the three ages of trenchless on one scheme, but that's what happened when a crisis arose whilst renovating a recent sewer. The present, represented by a CIPR Patch repair, was saved by future technology and a historic timber heading, all to be trenchless

Ashley Williamson, Wessex Water

48 St Pauls Road, Salisbury

A 600mm diameter concrete surface water sewer collapsed beneath a property. The property required structural underpinning allowing 12m of sewer to be replaced within the kitchen & dining room. Replacing 12m sewer enabled 60m of Premier Pipe CIPP lining to be inverted within the pipe providing savings to the client.

Congratulations to all our short-listed entries and especially our winners.

