

Note from the team

The team would like to welcome you to the first issue of the Isle newsletter, 'Searchlight'. It's been an exciting, fast-moving three months for the team, and we are pleased to say that we have a remarkable line-up of technologies, projects and events for the new year. In addition to the new trials and business opportunities in the pipeline, we have also been working closely with our partners and associates to expand the TAG model into other sectors and geographies.

Further to this being the first issue of 'Searchlight' it is also the Christmas issue! We hope you enjoy the festive season and we look forward to working with you in the new year.



To view a special Christmas message from the team, please visit our website at www.isleutilities.com.

Best wishes from the Isle Team

100 Technologies Come to TAG

Since TAG was launched in 2005, it has gone from strength to strength and is now a successful and well-established collaborative framework for innovation in the water sector. The 15th of September marked the milestone for our 20th TAG meeting and 100 technologies to have been formally presented to the industry.

Of these 100 technologies presented, around 75% have been taken forward by the TAG members and around 50% are now commercial. To date, TAG has helped secure around £50m of investment (external to the industry) and a further £8m is pending and currently in due diligence. Isle will continue to build upon TAG's unparalleled track record since its inception in 2005. In addition to the TAG forum in the UK water sector, Isle is actively pursuing similar models in other geographies and sectors.

Highlights

Curapipe Systems breaks the mould on leakage solutions
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Top 3 winners in CIWEM Innovation Showcase
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The challenge to innovation in water
>> [page 3](#)

Events and dates

WIAA deadline for entries
6th January 2011
wiaa@fav-house.com

WEX 2011
15th–17th February 2011
Lisbon, Portugal

Water TAG 22
9th March 2011
Cardiff WWTW

Clean Tech Pro-Active
10th March 2011
London

WIAA Gala Dinner
29th March 2011
ICC, Birmingham

Sustainabilitylive! 2011
24th–26th May 2011
NEC, Birmingham

Curapipe Systems and TALR

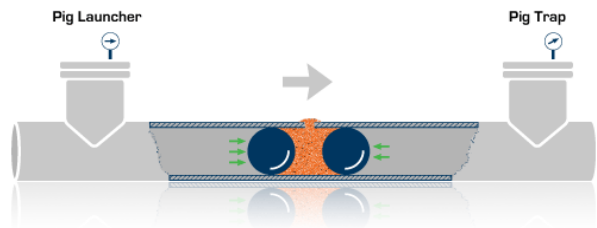


Curapipe Systems has developed a “Trenchless Automated Leakage Repair”

technology (or TALR), which addresses a part of the water leakage market which has been “untouchable” until now. TALR addresses the issue of background leakage – the small, highly distributed set of leaks which are too small (and expensive) to detect and repair through conventional means. Background leakage comprises around 50% of water utilities’ leakage from distribution mains and can therefore significantly impact on compliance with regulatory targets.

Curapipe is currently funded by a \$0.5m grant from the Israeli government and they are close to finalising a partnership with the Jerusalem Water Authority, with whom field pilots are scheduled for early 2011. They are currently in due diligence with investors for their second \$0.5m funding round.

Following on from Curapipe’s attendance at TAG in March, the company is continuing to build relationships with the water utilities and a trial with Thames Water is planned for the new year. TALR is also very close to securing compliance with the BS6920 water quality standard, which will enable TALR to be safely deployed into live potable water networks.



“TALR addresses a part of the leakage market which has been “untouchable” until now.

Rewitec Nanocoatings



Rewitec has developed a unique nano-coating for the treatment and

prevention of corrosive damage due to wear in gearboxes, bearings and internal combustion engines. This technology, once applied, extends machine life, enhances equipment performance and improves energy efficiency.

The company’s target market to date is in wind turbines where a return on investment can be quickly realised. 800 case studies and projects have been successfully

delivered by Rewitec and the company continues to promote the unique benefits of their technology to a wider audience.

Rewitec was invited to present at Water TAG in September 2010, which exposed them to new business opportunities in the UK – including the treatment of many ageing water assets, such as wastewater pumps, aeration blowers and sludge centrifuges. The water companies expressed a huge interest in a collaborative trial for this technology; the plans for which are now in development.



News in Brief

Winners at the CIWEM Innovation Showcase

CIWEM and the Institute of Water showcased eight new water technologies at the Council House in Birmingham on the 8th December. Each company was given an 8-minute slot to present and the audience voted on the most innovative technology. The winners were three TAG technologies: Uhrig, CM Ventures and Mouchel/MeterLogik.



12th WET Networking Event: Tapping into Technology

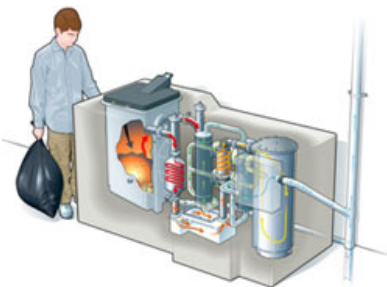
The Pinsent Masons WET networking series brings together water technology companies with investors and industry. *Tapping into Technology* was held on the 2nd December and was host to five technology companies and over 70 delegates. Martin Griffiths (TSB) gave the keynote speech, followed by pitches from En Gibton, Bactest, Uhrig, Biovis and Sorubin.

Clean Tech Pro-Active attracts over 100 delegates

The Watson, Farley & Williams Clean Tech Pro-Active networking is based on the “speed networking” concept. The 2nd event was well-attended by over 100 delegates, including investors, clean technology companies and project developers.

PyroPure wins the CIWM Environmental Excellence Award for Innovative Practice

This National Award is for the work that was undertaken with Wandsworth Borough Council for the technical feasibility to deliver safe, onsite destruction of residual solid waste from blocks of flats in the Borough.



SCFI Group forms global strategic alliances

SCFI Group (developer of the AquaCritox super critical water oxidation process) has formed strategic alliances with two key partners: Parsons Engineers and Rockwell Automation. These partners will be providing turnkey project services and the supply of control systems for the AquaCritox plants.

Arvia wins £100k at Innovate 10

Arvia Technology was one of four British companies that won the TSB’s Innovate 10 award in October 2010 for its proprietary Nyex treatment process. The technology removes and destroys complex organics from water and wastewater using a combination of adsorption and electrochemical oxidation.

Opinions in a paragraph

What do you believe is the biggest challenge to innovation in the water sector in AMP5?

Alex Hook - Investment Manager, NESTA

“Creating an innovation virtuous circle whereby utilities are encouraged to pull-through the next generation of promising technologies, which struggle with long timelines to gain traction in a traditionally conservative market. There would be a benefit in providing the appropriate structure and incentives to trial more new technologies at a greater scale and at a greater pace than is currently witnessed. I believe that will, in turn, encourage more companies to focus on innovation in the water sector.”

Mark Lane - Partner, Pinsent Masons

“The biggest challenges to the water sector in AMP5 and beyond are: the absence of competition in the sector and the absence of carbon reduction incentives and penalties in an industry which is very energy intensive.”

Steve Kaye - Innovation Manager, Anglian Water

“The biggest challenge is to increase the efficiency of existing activated sludge plants. This covers many aspects including aeration control, control of biological activity, improved aeration systems, fuzzy logic and other innovations.”