



Spring has finally arrived and already 2014 has been a busy year for Isle. We have continued to grow, introducing new members and more TAG meetings across the globe. Isle Inc in the US have started to explore into new US regions, holding their first TAG in Northern California and Ohio Valley this year. We have also had another successful EU TAG welcoming three new members on board. Isle Australia are also thrilled to be working within the Pacific region welcoming their first new member in New Zealand. We look forward to seeing what these next couple of months have in store for Isle.



Remote Sensing Trial

The remote sensing trial for a UK leading water utility aims to explore and validate the potential application of thermal imaging from an aerial perspective. The aim is the detection of leaks from underground water supply pipes located under a range of surfaces such as concrete, tarmac and vegetation. The day survey was carried out in September, and the locations identified as possible leaks have been investigated on ground. The night flight scheduled was

PRO-LITE Project

The Procurement of Lighting Innovation & Technology in Europe (PRO-LITE) Project is a novel partnership project co-funded by the European Commission with the aim of supporting public sector organisations overcome organisational and procurement barriers to deliver innovative and cost-effective technologies for their organisations as well as support economic growth. The PRO-LITE project is made up of partners from public authorities from four European Member State (Germany, Italy, Netherlands and UK), and is

unfortunately not undertaken on the same day due to power failure on the aircraft. Following months of delays resulting from the wet period at the beginning of the year and issues with the availability of thermal imaging assets, the night survey was carried out earlier this month. Data from this flight is currently being processed in order to carry out the analysis required.

led by the UK partner, Transport for London. Isle was commissioned to carry out one of the six work packages – The State of the Art Report – in which the cutting edge of lighting technologies were investigated and characterised, and the structure of the lighting market, risks, challenges and regulations were assembled. The information delivered within this report is being used to inform and facilitate market engagement activities throughout the PRO-LITE project life-cycle.

Isle's report was completed in January 2014, and is published

at <http://www.prolitepartnership.eu/publications>



Following our partnership with the International Finance Corporation (IFC) in Washington, Isle delivered the **1st Water Utility Innovation Platform** event (similar to TAG type model) for South America. The event, located in Sao Paolo, Brazil, has seen the attendance and active participation of representatives from over 15 state and private water companies.

Based on the water companies voting, five water technologies, covering different areas from leakage detection in networks to sludge treatment, had the opportunity to present and pitch their solution. Interest and further opportunities were raised for all technologies presented and Isle is now supporting the follow up and next steps with all the interested parties to support the spin-off opportunities.



The model was well received by all the attendees and a clear interest was shown in participating to similar future events. Isle is now developing the TAG model offering to establish further our presence in South America.

New Members of Isle



A warm welcome to the newest members of our team

- **Suzanne Faber:** Technology Consultant
- **Lashley Loomis:** Senior Technology consultant
- **Christina de Poitiers-** Senior Environmental Consultant

Tough Mudder 2014

Not for the faint hearted!

Seven members of our Isle team took part in Tough Mudder on the 26th April, it was a Challenging 12 mile obstacle course, facing ice cold water, fire and electricity all in the aid of fun!



Up and Coming Events



Where we will be attending and presenting

May

- **1st May:** Remote Sensing and Catchment Management, Leeds
- **5th - 11th May:** BIGDATAWEEK, London
- **5th - 9th May:** IFAT, Munich
- **7th - 8th May:** Money2Water
- **13th May:** Australia TAG 10, Melbourne
- **13th May:** Water Industry Innovation Conference, Birmingham

June

- **1st June:** TechXchange, Singapore
- **4th June:** UK TAG 35, London
- **11th June:** EU TAG 5

July

- **10th July:** Water Efficiency and Resource Management, London
- **23rd July:** UK WOC TAG 3, London

European Update

EU TAG 4

EU TAG 4 took place on the 12th of March at Isle's offices in London UK. A number of water utilities attended the event, including Evides and PWN from the Netherlands, and Aqualia from Spain. Mekorot from Israel attended over video-conferencing.

Five technologies were voted for by the EU TAG members to present in London:

- **Aquarius Spectrum:** An automatic leak detection system based on proprietary algorithms, statistical artefact rejection and a fixed network of acoustic sensors, coupled with a mobile Smartphone app for precise leak location.
- **Bluecher:** Is a polymer based spherical activated carbon (PBSAC) for organic micro-pollutant and pharmaceutical elimination from drinking water.
- **Strathkelvin:** Is an innovative in-situ, multi sensor instrument, which automates many laborious, time-consuming wastewater treatment plant tests while adding significant biological data that allows the operator to improve the automation of the control process.
- **E-MIGS:** An aerial and water based survey and mapping service using high-end Unmanned Aerial System (UAS) & Unmanned Surface System (USS) technology.
- **Baseform:** AWARE-P Suite is a state of the art cloud-based software package for infrastructure asset management (AM) and planning for urban water systems.

The next EU TAG meeting will take place on the 11th of June 2014 in Brussels.

US Update

New US TAG Members

- Alexandria Renew Enterprises (Alexandria Virginia)
- Toho Water Authority (Kissimmee, Florida)
- City of San Diego Public Utilities (San Diego California)
- Los Angeles Bureau of Sanitation (Los Angeles, California)
- Contra Costa Water District (Concord, California)
- Charleston Water System (Charleston, South Carolina)

Ohio Valley TAG 1 - Hosted by The Greater Cincinnati Water Works and the Metropolitan Sewer District

Isle Inc. held the first Ohio Valley TAG on March 20th in Cincinnati.

The area is known for water innovation with the US EPA Cincinnati Technology Collaboration and Transfer Cluster and the Confluence Water Technology Innovation Cluster located in the same area.

With the major utilities from Kentucky Ohio and Tennessee attending, this was the start of another dynamic group.

UK Update

UK TAG 34

Isle to host the 35th UK TAG meeting in London in June, showcasing five new exciting technologies, followed by networking drinks. We look forward to seeing all the TAG members there.

TAG – ZAPS Technology Collaborative Trial

The collaborative trial kicked off at the end of January 2014, when the LiquiD instrument was installed at a United Utilities site. The unit is currently sampling at the final effluent pre-UV and there are plans to move to sample the primary effluent and then the raw wastewater, to verify the accuracy in each location.

Australia Update

First New Member from New Zealand

Isle Australia has welcomed its first member from New Zealand, hence expanding its reach to other territories in the Pacific region. Greater Wellington Water joined the Australian Group from 3 March 2014.

Collaborative Trial

The first collaborative trial to take place in Australia has been successfully completed last September and the report has now been finalised. TAG members interested in gaining access to the report and the various findings can contact Isle for further information.

Case Studies

Isle Australia has recently completed two technology comparison studies on “Algae monitoring and control” and “Online water quality monitoring”. These desk-based comparison studies of the various options available are a first step towards developing a collaborative knowledge base on the subjects. TAG members interested in the comparison studies can contact Isle for further information.

Coming up: TAG South Africa

Isle visited South Africa last month for a series of meetings with the key stakeholders within the water sector.

This included the bulk water suppliers such as Rand Water, municipalities such as Cape Town Water, and government departments including the Water Research Commission. It was a successful week, with confirmed interest in the establishment of a TAG group in South Africa. Isle are now looking at the next steps alongside the stakeholders, and hope to hold the first South Africa TAG meeting before the end of the year.



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