Emerging Technologies & Innovation TAG

Hosted by Isle Utilities
IWA Brisbane
Session 3: Wednesday 12th of October 2016
Conference room 12

Chairman: *Ignaz Worm – Managing Director Europe, Isle Utilities*
Jury:

- *Michael Ramlau Hansen, Global Brand Manager AVK Holding A/S*
- *Glen T. Daigger, Distinguished Fellow, IWA*
- *Jim Livas, National Engineering and Technology Manager, John Holland*

Agenda

10:00 Introduction by Isle — Isle Utilities
10:10 UVS Trenchless Technology — Darren Burrowes

UVS Trenchless Technology, (a BlueZone Group company), develops, supplies and services reliable equipment used for condition assessment of pipeline networks and water resources. UVS is home to the innovative SewerSerpent™ that uses Extra-low Voltage (<50Vac) electricity to quickly and accurately locate leaks in sewer pipelines. SewerSerpent™ can be used to locate leaks that are the source of exfiltration and inflow/infiltration problems in sewer networks and can locate leaks that CCTV cameras cannot detect by visual inspection alone. UVS application engineering develops innovative solutions for customer needs including specialised systems for long-range pipeline inspection.

10:35 RedEye — Gavin Tye

RedEyeDMS is the first purpose built cloud and mobile engineering drawing management solution, making it easy for people who work with engineering data to upload, find, and link relevant documents, photos and drawings together so they can work with the right information on any device. Changes in the field can be captured in real time and users can typically find any drawing in under a minute. RedEyeDMS becomes an asset owner's Single Source of Truth (SSOT) for engineering data, eliminating the inefficiency associated with people working off the wrong drawings and enabling auditable collaboration between internal staff and external contractors. The mobile and web interfaces requires no training. As a SaaS solution there is no software to install or maintain. RedEyeDMS is suitable for utilities of all sizes. RedEye in configurable to the specific requirements of each utility, as determined during a scoping study.

11:00 Liquid Integrity Sensors — Kelly Keates

Liquid Integrity Sensors (LIS) provides a solution to detect leaks in large liquid storage facilities such as lagoons, or dams, reducing risk and improving community assurance by preventing contamination to the environment. Modern fluid storage facilities are often lined with a synthetic geo-membrane to prevent contamination of the environment; these geo-membrane liners often develop leaks that can result in contamination. LIS monitoring systems measure the current flow across the liner at safe voltages and the potential field within the fluid to determine whether leaks exist in the liner, providing information to allow leak location to be determined. LIS monitoring can be a cost effective means of ensuring new or older facilities meet modern requirements. They may be permanently installed and require no additional utilities, automatically assessing liner integrity. Warnings and results are sent to the client in a format that can be easily interpreted, and can be integrated into client control systems.

11:25 Closing — Isle Utilities

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