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Maintenance of sensors in water & wastewater applications: Maintaining the value of online monitoring in challenging environments 18th April 2018

Dalton & Joule Suite, Museum of Science & Industry, Liverpool Rd, Manchester M3 4FP

Process instrumentation is becoming more critical as water and waste water companies drive for automation, efficiency and control in a highly regulated sector. The introduction of innovative new process solutions, advances in process control and the realisation of big data analytics places more importance on the quality of data from instruments. A move towards remote decision making in today's connected environment means we need ensure confidence in data.

For many analytical instruments the OPEX costs associated with keeping sensors operational far outweigh the purchase price over the sensor life. End users are now making decisions based on the whole life cost (TOTEX) of sensor systems taking frequency of visits, chemical consumption and general maintainability of sensors rather than the purchase price.

The event breaks will focus on three areas:

- Instrument design – Designing for reliability, availability and maintainability
- Service models – How the supply chain can add value
- End users – How can we ensure trust in data

Chairs: Leo Carswell, WRc Plc and Richard Bragg, United Utilities

09:30 Tea, Coffee & registration

10:00 Introduction by the Chairmen. **Leo Carswell, WRc Plc & Richard Bragg, UU**

10:15 Maintenance of sensors, end users perspective. **Mark Gibson, Northumbrian Water Ltd**

10:45 MCERTS Flow measurement and maintenance requirements. **Oliver Grievson, Anglian Water**

11:15 Tea & Coffee

11:45 Sensor applications - Designing for maintenance and operation. **David Claridge, Endress & Hauser & Richard Bragg, United Utilities**

12:15 How should we maintain our analysers? **Steve Laddle, Servitech**

12:45 Discussion & Lunch

13:45 Reliable, Representative and Relevant – the Three “R”s for online waste water measurement, **Jim Pickering, Envitech**

14:15 Utilising smart technology to give you trust in your data, **Luke Stanbridge, Z Tech**

14:45 Developing low maintenance sensors for wastewater. **Leo Carswell, WRc**

15:15 Discussion & close. Free entry to the museum of science & industry which closes at 5pm.

REGISTRATION: The cost of attending the Workshop is £92.00 inc VAT for SWIG members. £166 inc VAT for non-members. £21 for students. Literature may be distributed for a fee of £69 and a limited number of table top displays are available at £132 each. Registrations can be made by Tel 01934 830658 or by email to rosa.richards@swig.org.uk or using the on-line booking form. **Please advise of any special dietary requirements at time of booking.**
Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.