

# The Use of Instrumentation and Automation in Wastewater Treatment To Achieve TOTEX efficiencies

26 November 2014

Rose Room, National Memorial Arboretum, Staffordshire, DE13 7AR

As the UK Water Industry faces into AMP6, the drive for efficiencies becomes ever more important, as does the reliance on instrumentation and automation to deliver them. The aim of this workshop is to share proven examples of where Instrumentation and Automation has provided financial efficiencies in the wastewater treatment sector. Key objectives of the day are to share lessons learnt from each application to give confidence that the solutions are immediately transferrable, and with the benefits proven where applicable

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Chair: Anthony Kyriacou, Severn Trent Water

09.30 Tea, Coffee & registration

10.00 Introduction, Chairman, Anthony Kyriacou, Severn Trent Water

10.10 Online Measurement of Siloxanes using FTIR Spectroscopy,  
Ewan Mcadam, Cranfield University

10.40 On-line Monitoring of Critical Parameters in Anaerobic Digestion,  
Emmanuel Coolsaet, Applitek

11.10 Tea & Coffee

11.30 Centrifuge Polymer Optimisation, Cecile Stanford, Southern Water

12.00 Real Time Feedforward Control for P-Removal, Stuart Ainsworth, Hach Lange

12.30 Discussion & Lunch

13.30 Auto Primary Sludge Tank De-sludging, Alistair MacKinnon, Pulsar

14.00 Automation of Operational Equipment Effectiveness,  
Simon Mazier, Perceptive Engineering

14.30 The Benefits of Radio Telemetry, Brian Back, Radio Data Networks Ltd

15.00 Discussion

15.45 Close

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**SWIG REGISTRATION:** The cost of attending the Workshop is £82.00 inc VAT for SWIG members. £149 inc VAT for non-members. £41 for students. Literature may be distributed for a fee of £62 and a limited number of table top displays are available at £118 each. Registrations can be made by Tel 01934 830658 or by email to [rosa.richards@swig.org.uk](mailto: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.