

Provisonal Conference Programme*

“TOTEX: Pumping System Efficiency, Reliability & Optimisation” (Main Conference Room - the Pattingham Suite)

09:45 hrs	Welcome and Introduction	Pump Centre Chairman & Manager
	Session 1 Chaired by Bob Went (Pump Centre Chairman)	
10:00 hrs	Beyond Energy St Germans Pumping Station 7 years on. One of the largest land drainage pumping stations in Europe. How has it Performed? In the design of the 100 cumec, the St Germans pumping station, key design decisions were made for design resilience verses performance and how far to take the automated control. The presentation will revisit these aspects and comment on the effeteness of those decisions in light of the experience gained on the ground.	John Shepherd (Atkins)
10:30 hrs	Smart Controllers ‘Smart ICA’ What do water companies want to monitor and control their assets? Intelligent motor control and networks such as Profibus have been deployed across the UK water industry, and these systems provide enhanced data to improve asset (Pump) performance. Severn Trent Water is now deploying low cost ‘Smart ICA Architecture’ which also includes ‘Smart ICA Apps’ that self-optimize assets to give approximately 30% operational cost savings. This session will present an overview Severn Trent’s approach.	Mike Booth (Severn Trent Water)
11:00 hrs	Comfort Break (20 mins)	
	Session 2 Chaired by Keith Solts (Environment Agency)	
11:20 hrs	Achieving the challenges of TOTEX reduction in Waste Water Pumping Systems using Integrated Intelligent Innovative technology. To truly deliver on TOTEX reduction in waste water pumping stations requires a completely different approach, a different way of thinking, one that takes on and beats the challenges holistically. Xylem in cooperation with Southern Water explores how Innovative Integrated technologies with inbuilt intelligence can solve the problems of today and the future.	Mark Herring (Southern Water) & Chris Harvey (Xylem)
11:50 hrs	Doing the basics well Reflecting and reviewing the basics of planned preventative maintenance and ensuring that these are done well and how new technologies can help enhance planned preventative maintenance	Cliff Mariner (Anglian Water)
12:15 - 14:00 hrs Lunch Available (Main Exhibition Hall)		
	Session 3 Chaired by Alistair MacKinnon (Pulsar Process Measurement)	
14:00 hrs	Smart sensor technology – ‘A smart solution for focused maintenance’ Many pumping stations are unmanned, therefore condition monitoring of motors, a major and critical component will assist in reducing unplanned downtime, increasing asset life and saving energy. Here we will discuss the technology, how easy it is to deploy a low cost and practical solution and the benefits arising from such a deployment.	David Hawley (ABB)
14:30 hrs	Upstream Investment – Downstream Saving With the shift to Totex, the industry’s thinking must move to making risk-based interventions beyond capital replacement, such as extending the life of an asset. Effective inlet works can improve the efficiency and life of pumping equipment at sewage works. This presentation will give designers and operators an overview of best practice design and specification to reduce maintenance and attrition.	Alex Lloyd (Jacopa)
Conference Presentations Finish at 15:00hrs		

* Provisonal Programme subject to change.