



26-27 March 2012
Crowne Plaza Hotel, NEC, Birmingham

Water Loss UK

In May 2005 a seminar was held at the NEC in Birmingham to introduce the UK water industry to the work of the International Water Association (IWA) Water Loss Task Force. A similar event was held at the NEC Crowne Plaza Hotel in June 2009. Both events were well received and attracted over 100 delegates.

Since then the WLTF has become a Specialist Group in IWA due to the importance which the subject has gained around the world. Water Loss 2009 in Cape Town, South Africa attracted over 400 delegates, and over 600 people attended WaterLoss 2010 in Sao Paulo, Brazil. With greater awareness of climate change, water scarcity and energy efficiency, water suppliers are under intense scrutiny to ensure they are operating efficiently. The annual volume of water lost from the distribution network with associated increased costs and loss of income to the company, has become a key performance indicator in this respect. To complement previous events addressing this topic the third Water Loss UK seminar will be held on 27 March 2012, with a Pre-Seminar Workshop on 26 March, at the Crowne Plaza Hotel, NEC, Birmingham



What is the Purpose of the Seminar?

Delegates to Water Loss UK 2012 will hear presentations from experts and practitioners on the current and emerging issues which could impact on leakage management in the UK.

The seminar on 27th March 2012 has been timed to take place after February's IWA Water Loss 2012 conference in Manila, Philippines and before the IWA Water Loss Europe conference in Ferrara, Italy in May. It will update delegates on new developments from the IWA Water Loss Specialist Group, and will bring together key speakers from the UK, Europe and beyond, with the aim of:

- Providing an insight into current developments in the European Union
- Outlining the research into leakage management being undertaken outside the UK
- Updating the UK water industry on some of the latest ideas, initiatives, and results from IWA specialist group members
- Discussing the implications for the future of leakage management in the UK

Pre-Seminar Workshop, 26th March: Using Smart systems to better understand water loss

In conjunction with the seminar, the organisers have arranged a special half day workshop on the subject of smart systems, and how they can be used to better understand and manage water loss. Leakage cannot be measured directly and its estimation relies on accurate measurement of other variables. The reliability of these measurements can now be improved by using specific values which can be tracked seasonally, rather than average defaults. For leak location, new technology uses mathematical algorithms and relationships to improve the efficiency of leakage detection operations. The workshop will include presentations from leading edge technology companies and experts with case study results from the UK and Europe.

Book your place on line at www.waterlossuk.com or by telephoning Watercourse Events on +44 191 3706668

Supported by:



Seminar Programme

Tuesday 27th March 2012 09:15 to 17:00

08.30 - 09.15 **Registration / Refreshments and Exhibition Viewing**

Morning Session

9.15 - 9.30 **Opening remarks and Chair's welcome.**

Jack Carnell, Chairman, Energy & Utility Skills, UK

9.30 - 10.45 **European Initiatives**

Water policy in the EU and preparations for the Blueprint for Europe's waters

Henriette Faergemann: Policy Officer - Water Scarcity & Droughts, European Commission

Resource and economic efficiency of water distribution networks in the EU

John Maguire: Solventa Utilities and Infrastructure, UK

European leakage research. Nicola Bazzuro: Iren Acqua Gas, Italy

Dealing with real and apparent losses. Joaquim Pocas Martins: Aguas do Porto, Portugal

10.45 - 11.15 **Break / Refreshments and Exhibition Networking**

11.15 - 12.30 **International Perspectives**

The IWA 2012 Water Loss Specialist Group Conferences in Manila and Ferrara

Marco Fantozzi: Studio Fantozzi, Italy

Pressure:bursts relationships: Predictions, validation of results, and extension of asset Life. Allan Lambert: WRL&A, UK

Using the latest technology to reduce water loss. Sheikh Mazlan: Jalur Cahaya, Malaysia

12.30 - 14.00 **Lunch and exhibition networking**

Afternoon Session

14.00 - 14.10 **Chair's opening remarks**

Jack Carnell, Chairman, Energy & Utility Skills, UK

14.10 - 15.30 **The future of leakage in the UK**

Presentations by the UK water regulators including Jonathan Dennis: UK Environment Agency, and Matthew Pursall: Ofwat

Valuing water in a sustainable future environment. Dr Jaime M. Amezaga: Water Theme Acting Coordinator, Newcastle Institute for Research on Sustainability (NIReS),UK

Managing Leakage 2011 and beyond. David Pearson and Stuart Trow: Consultants,UK

Uncertainties in leakage estimation due to meter accuracy factors

Dr Richard Furness: JDF and Associates, UK

15.30 - 16.00 **Break / Refreshments and exhibition networking**

16.00 - 16.30 **An independent view of the future of leakage management**

Chris Binnie: Independent Water Consultant, UK

16.30 - 17.00 **Panel discussion. Implications for future leakage management in the UK**

Moderated by Jo Parker: Watershed Associates with representatives from the UK water industry

17.00 **Closing remarks**

Pre-Seminar Workshop: Using Smart Systems to Better Understand Water Loss

Monday 26th March 2012 12:30 to 17:00

12.00 - 12.30 **Registration**

Sponsored by



12.30 **Chair's Introduction**

Professor Dragan Savic, Head of Engineering, Mathematics and Physical Sciences, University of Exeter. Followed by presentations from:

Guy Horowitz: TaKaDu, Israel - **'Smart networks'**

John Cima: WRc, UK - **'Towards intelligent networks'**

Paul Sage: WITS Consult and Neil Croxton: United Utilities, UK - **'Leakage hotspots'**

Andrew Burrows: i2O Water, UK - **'Using intelligent network data to optimise pumps'**

14.30 - 15.00 **Refreshment break**

Followed by presentations from:

Peter Martinek: Martinek Water Management, Austria - **'Open zone monitoring'**

Alex Rizzo: Director, Institute of Applied Science MCAST, Malta - **'AMR case study'**

James Shucksmith: Sheffield University and Alysson Seth: Yorkshire Water, UK - **'Leak detection using pressure transients'**

16.30 **Discussion and close**