

Innovative Water Treatment and Processing Technologies

event review



LTN's recent networking event at the Cavendish Conference Centre in London focussed on the challenges currently faced by the water industry.

The event kicked off with an overview from Ian Bernard of British Water highlighting the current fragmented state of the industry and the need for the UK and the rest of the world



to work together on its R&D, one potential mechanism being through the formation of a new TSB Water Innovation Platform. Adel Sharif of Surrey University then went on to discuss how desalination technologies were the way forward, specifically through techniques such as manipulated osmosis.

Veolia Water were represented by Arnaud David who pointed out that there is a real need for the development of low carbon technologies for water treatment companies as they are still behind those available for the wastewater industry.

The SMEs in the sector had their say too with Clearfleau and Apaclara contributing to the session. Richard Gueterbock described how Clearfleau were working in the sector on a slightly different level, converting the waste effluents of small companies into energy via anaerobic digestion processes. Gueterbock

also raised the need for civil servants to visit sites and actually talk to the scientists and engineers taking these ideas forward.

Eric Mayes of Apaclara gave the final talk of the session arguing that the use of nanotechnology in membrane research and catalysed breakdown of waste products in water may give it the edge over desalination due to the resultant cost benefits.

Questions from the audience were then taken by the panel about issues ranging from the possible formation of the TSB Water Innovation Platform to Carbon trading. The event then moved into a networking session around a range of university posters where the 40 plus organisations discussed potential opportunities with the academics and each other.

"This event gave an excellent overview of the current/future R&D funding opportunities in this sector and the challenges faced. The meeting significantly fast-tracked my understanding of the market place and supply chain ... I also made some useful contacts for further discussions."

- Dr Maura Joliffe
Ilika Technologies Ltd.

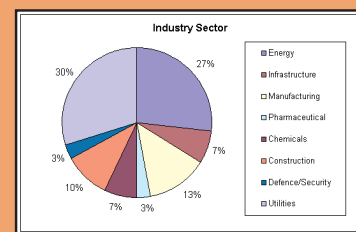
If you would like to hear more about activity in the sector or other activities in LTN's Environmental group we'd love to hear from you.

- Andy Hebb
Business Development Manager, LTN

EVENT STATISTICS

LTN's Water Technologies networking event was attended by more than 45 different organisations, including Clearfleau, British Water, BG Aquapower and Veolia Water UK.

More than 75 business meetings took place on the night, between companies, and between businesses and top-level academic researchers.



Presentations of 78 new technologies were on display, covering water supply, treatment & remediation (24), waste water (16), and monitoring, metering & infrastructure (38). Eight new innovations from European companies were also on show.

LTN is pleased to announce that, with speaker approval, a selection of presentations from events will be made accessible online.

To view selected presentations from the Water Technologies event visit the link below.

If you were unable to make the right connection on the night, please contact Andy Hebb at a.hebb@LTNetwork.org. We would be delighted to help broker introductions and assist with business meetings.

www.LTNetwork.org/events

LTN ENVIRONMENTAL TECHNOLOGY GROUP

The Environmental Technologies Group is aimed at strengthening your connections to this industry. The Group brings together professionals from industry, academia and government across London, the East and South-East of England, to stimulate further knowledge exchange and interaction across all sectors. If you have a colleague, business contact or fellow researcher who would benefit from membership, please email Natalie Tamiollo at n.tamiollo@LTNetwork.org. Membership is free.

The Group produces regular networking events on environmental technologies. Our next event is a morning seminar on Natural Fibres in Composites Applications of Bio Renewable Materials from Non Food Crops, which will be held on 11 May 2010. To find out more or to attend, contact Holly at H.Parker@LTNetwork.org.

Finally, visit our website, and email Natalie to have your networking event included online or in our regular newsletter.



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www.LTNetwork.org

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European innovation partners at a click

As part of Enterprise Europe Network, LTN offers members access to an online database of thousands of technology offers and requests from across Europe. Connections are made every day from organisations seeking R&D partners, manufacturers, licensing partners, or European businesses to join their funding bid, to name but a few.

A sample of profiles are listed below, but to explore what European businesses are working on in your sector, simply type in your own keywords on the TechSearch database. Or to upload your own profile, email Andy Hebb at a.hebb@LTNetwork.org. You may also sign up to Tech Watch on our website, a service providing priority email alerts when innovation profiles in your sector are uploaded. The service is anonymous, wide-ranging and free. Visit www.ltnetwork.org/services/tech-search.asp.



Business Support on Your Doorstep

Title	Abstract	Country	Type
Unique technology for checking water meters and water flowmeters	A company from Western Poland has developed a unique technology for checking and certifying water meters and hot water flowmeters.	Poland	Offer
Halophile treatment of an hypersaline wastewater	A pharmaceutical company located in the Catalonia region (Spain) has wide experience in chemistry with Pharmaceutical application. Biological treatment using halophile microorganisms and therefore improving the recovery of salt would reduce further dependence on external environmental management.	Spain	Request
Method for inspection of water supply pipes based on the use of advanced hydroacoustics, electronics and data processing	A Norwegian SME is offering technology measuring the remaining wall thickness in water pipes. The robotised technology effectively performs integration over an area, surrounded by an acoustic pulse; and over the frequency band of interest, yielding a measure of re-radiated energy in a given frequency band.	Norway	Offer
Technology for water quality monitoring and risk management system	A big Polish water company is looking for a new technology for monitoring and control of water quality based on automatic alert system. The company is seeking a partner with large experience in implementation of this kind of systems.	Poland	Request
Continuous filtration of sewage, process or ground water in an innovative sand filter without backwashing	A German company has developed a sand filter for sewage, process and ground water treatment issue.	Germany	Offer
Innovative waste water treatment technologies	A Flemish SME specialized in PE plastics rotation moulding and currently active in the waste water treatment industry and diesel tank production is looking to broaden its product offer.	Belgium	Request
Highly advanced flotation systems (electroflotation, dissolved air flotation)	A German company offers patented, tailor-made solutions for flotation systems for water treatment processes.	Israel	Offer
Aquatic Plant Solution Technology to Reduce Eutrophication in Rivers and Lakes	A Catalan technological centre based in Spain holds a know-how in monitoring eutrophicated systems and seeks a technological collaboration in the use of aquatic plants to reduce, nitrogen, phosphate and organic matter and pesticides in aquatic systems (riparian zones in particular).	Spain	Request

Upcoming events for your diary

EXTERNAL EVENT

FOGs build up removal: problems and solutions
24 March 2010
Cranfield
www.cranfield.ac.uk/sas/water/conferences/

EXTERNAL EVENT

Hydrogen & Fuel Cells for Clean Cities
24 March 2010
Birmingham, UK
www.fuelcellsuk.org/events

EXTERNAL EVENT

Bio-based materials in Sports
20 April 2010
Colchester
j.orourke@uea.ac.uk

EXTERNAL EVENT

The Eco-innovation Workshop
15 April 2010
Farnham, Surrey
<http://www.cfsd.org.uk/sids/ECOMIND/eco-innovation-workshop.html>

LTN EVENT

Natural Fibre Composites
11 May 2010
London
h.parker@LTNetwork.org

EXTERNAL EVENT

BALWOIS
Ohrid, Republic of Macedonia
25 May 2010
www.balwois.com

EXTERNAL EVENT

World Bioenergy Exhibition
25 & 26 May 2010
Jonkoping, Sweden
www.elmia.se/en/worldbioenergy

LTN EVENT

Carbon Reduction Commitment
15 June 2010
London
l.gold@LTNetwork.org