



## MCM Newsletter – Issue 1, March 2007

### OSEA2006 – Singapore

After a successful debut at the 2004 event, MCM returned to the **Offshore South-East Asia Exhibition** in December 2006 – the region's premier event for the Oil & Gas sectors. On show for the first time in Asia was our **Auto-Zero** self-validating moisture system, used extensively in the Natural Gas industry to correct for the effects of contaminating gas streams, together with the newly released **Dry Transport System (DTS)**, a transfer standard portable hygrometer (with internal sample system and dry gas chamber) designed for the LNG industry. See the **Product Focus** section of this issue for more on the DTS.



One of the show's biggest attractions proved to be MCM's unique prize giveaway, which saw visitors able to win a Jumbo Toblerone chocolate bar. Straining under the weight of the monster treat are Nigel Wallis (left) and Howard Stone (right), together with Paul Ninzatti from Manalytical Ltd, MCM's research and development partner. Visitor numbers at OSEA2006 were up 20% on the 2004 event – for the full post-show report, click [here](#).

### Forthcoming Events

After successful visits to Southeast Asia at the end of 2006, and a busy start to 2007 in Europe, here's where we'll be over the forthcoming months:

- Apr 25-27**    **15<sup>th</sup> International Conference & Exhibition on Liquefied Natural Gas**  
Barcelona, Spain  
[www.lng15.com](http://www.lng15.com)
- Jun 13-15**    **Oil & Gas Asia 2007**  
Kuala Lumpur, Malaysia  
[www.oilandgas-asia.com](http://www.oilandgas-asia.com)

In addition to these above events, MCM will be out on the road in Germany, Holland, Singapore, Malaysia, Canada, the US and, of course, the UK. If you'd like to meet with us to discuss your moisture measuring application, send us an email [here](#).

### Calibration & Service

**When was the last time your MCM hygrometer was recalibrated?** If you're using your moisture analyser regularly, or if you are just about to put it back in to service, the value of certifiable recalibration cannot be underestimated.

Wherever you are in the world, MCM can offer a service to calibrate your instrument against **National Standards**, directly traceable to Mass.

We have service facilities in:

- United Kingdom
- Singapore
- Canada
- United States

The laboratory in Canada operates to **ISO17025** standards, and can generate moisture down to **20 ppb[V]** – this is the lowest traceable standard for moisture generation anywhere in the world.

We offer a comprehensive range of service agreements and offer a fast turnaround time for all standard work.

To find out more about our range of calibration services, or to arrange a recalibration of your instruments, simply send us an [email](#).

### Helium Recovery Systems

MCM have recently fulfilled a contract to design and supply moisture measurement systems for a new Helium Recovery Plant at BOC Gases Thame plant in the UK.

Specially designed to meet the demanding nature of the helium recovery application, thus enabling reliable measurements in the sub 1ppm[V] range over extended periods of operation, the custom-designed sample systems were engineered entirely from high-grade vacuum fittings.

The supply of the analyser cubicles represents the latest contract in a long and well established relationship between MCM and BOC, and means that both of the UK's Helium Recovery Plants now operate with MCM moisture analysis systems.



### Product Focus

#### MCM's Dry Transport System



The MCM Dry Transport System (DTS) combines a MicroView Portable Hygrometer with an internal dry gas source, providing the fastest possible speed of response for ultra-low level spot-check analysis.

MCM's DTS was originally developed for the LNG industry, to allow plant engineers to make reliable and accurate moisture measurements at the very low levels required by the LNG process.

By using an internal, pressurised molecular sieve desiccant chamber, together with a unique sample system arrangement, users can transport the portable analyser around site **without exposing the Sensor to ambient conditions**. The Sensor is always kept in a 'dry' condition and therefore the speed of response of the DTS, **to an equilibrium condition with the sample**, is unparalleled. The DTS is already in use on LNG facilities around the world and is being well received in other industries, such as speciality gases.

The unique design of the DTS means that gas connections can be made directly at line pressure (up to 100 barg) – there is no need for pressure reduction – whilst the market leading ATEX certification makes this the ultimate portable moisture analyser.

For full product details on MCM's DTS, simply send an [email](#) with your application details.

### ATEX Approved Analysers

MCM's range of market-leading ATEX instruments set the standard for moisture analysis in hazardous applications.

The ATEX certification of our analysers is **II 1G EEx ia IIC T4 T<sub>a</sub> = -20°C to +60°C**, meaning that our instruments are classified for Zone 0 (US Class 1, Div 1) operation with the most explosive of gases, such as acetylene. The T4 temperature rating indicates safe operation with surface temperatures up to 135°C.

Our **MicroView ATEX Hygrometer** is the only portable moisture analyser in the world to have such an ATEX rating, whilst our on-line systems are favoured for the most demanding **natural gas** and **refinery catalyst regeneration** applications.