

NEWSLETTER

Oil & Gas

JULY 2009

Successful meeting between manufacturers, regulators and institutes



A staggering 94% of the participants at the third Milestones in Metrology congress (10–13 May 2009) stated that they will return for a fourth congress.

With more than 150 participants, we can say that this three-yearly congress has been a success. The days at the congress were packed with plenary sessions in the mornings and stream sessions in the afternoons. The congress participants had in-depth discussions in the three stream sessions: oil & gas, traffic and weighing. As is tradition at these congresses, the evenings were made up of social programmes. With long breaks and these social evenings there was sufficient time for everyone to meet and discuss issues.

Harmonisation, software and challenges

During the plenary presentations of Mrs Vukovic of Welmec and Mr Ehrlich of OIML, amongst others, different points of view on harmonisation in Europe and the world were exposed. Software was the main theme for the second day, which takes an increasingly important role in the world of metrology. Mr Skirving of IVW, amongst others, went into the security of measurement data. The third day was about the challenges in metrology. Mr Bock of Metas gave an interesting presentation on the CE-mark and he suggested to register it as a trademark.

Are sub-assemblies in liquid installations the solution?

The stream discussions established a platform for all participants – end-users and manufacturers of installations or components – to discuss these important topics which have a direct influence on the positioning and marketing of their products in the European market. Experiences on the different topics were shared, visions and opinions were given, obstacles and legal issues were discussed.

However, not all issues discussed could be solved during these sessions, but it did raise one important question: Could the introduction of sub-assemblies in MI-005 for liquid installations be a solution for all the problems experienced so far as well as a solution to the local requirements issue?

The evaluation of MID in the immediate future should provide opportunity for further discussion. Could Milestones in Metrology IV establish the platform to introduce these solutions?



A complete photo impression of the congress will soon appear on the website: www.milestonesinmetrology.nl.

EuroLoop's Sustainable Gas Logistics

The building of EuroLoop keeps on making progress. Now two prominent features have risen up. Two huge gasholders are used to temporarily store gas. Besides including high-end metrological design features, EuroLoop has now also included state-of-the-art environmental awareness.

Metrology is a science with a profound effect on our society. Most of us are not aware of the amount of metering encountered in day-to-day life – but we are also affected in another way. In general the higher the quality of metering (in, for instance, production plants) the lower the impact on the environment, for the simple reason that nowadays more products meet the appropriate standards and less go to waste.

Why and how gas storage?

EuroLoop, being at the forefront of metrology, also includes a prominent feature signifying its state-of-the-art environmental awareness. Two huge gasholders (each almost 20 metres across) are used to store gas that we temporarily do not need: for instance, in cases where the system is operated at a lower pressure or when sections need to be emptied. The two gasholders of 3500 m³ hold the entire contents of the Loop at a pressure of 30 mBar above atmospheric pressure.



Technical wonders

Although they appear to be something from a large fun fair, they actually are technological wonders. The outer casing consists of a self-extinguishing plastic cover, inflated by fans so powerful that 200 km/h winds will not blow them over. Inside the actual holders are large "sacks", filling and emptying as demanded from the EuroLoop circuit. Level detectors measure the amount of gas in storage by determining the size of the inner sack. Between the outer cover and the inner sack are leak detectors which will identify any gas escaping from the inner sack whereas the outer cover provides a second line of defense in case of leakage.

Aided by several sensors measuring the composition of the gas in the system, a sophisticated system for filling and emptying sections and a booster compressor to set EuroLoop at the desired pressure, we can proudly say that hardly a molecule of gas will go to waste, since we no longer need to vent nor flare any gas. All the gas can be used repeatedly.



New Inside Sales Engineer

"My name is Janneke de Kreij and I am the new Internal Sales Engineer at NMI Certin in Dordrecht. As from May 2009, I am active in the Oil & Gas and Utility markets."

"After studying Electro Technology I received my bachelor's degree in Industrial Management in The Hague. As Inside Sales Engineer at NMI I will answer your questions and advise you on your technical challenges. I am really looking forward to work as a full service provider at NMI. Please don't hesitate to call me for advice or if you want to know more about NMI's services."

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