

July 2011

Issue 9

PPM Technology 'Go Green'.

PPM has formed a new 'Environmental Policy' for the company. Signed by all staff members, the policy's aim is to reduce our environmental impact in order to achieve a balance which addresses the needs of business along with responsibilities required to operate to an Environmental Management System. Progress will be reviewed annually.

The main focus of the policy is to reduce waste, save energy and to be more resourceful and efficient in our office and packaging procedure.

The full Environmental Policy is attached to the newsletter email, and will also be available on our website soon.

'Remote monitoring' feature to be added to Touch Screen IAQ Monitor.

PPM is working with a UK based company in a project which will see number additional features available for the **Touch Screen IAQ Monitor**.

One feature will be '**Remote monitoring**', the user will be able to view the data and control monitoring in real-time on a PC/Laptop from any location. Various modes of communication are possible including Wifi, GSM, Ethernet, USB and Zigbee.



This feature allows the user to set up text-message alerts when the instrument detects an overexposure; the necessary personnel or authorities will be notified of the danger immediately. When overexposure occurs the software can also automatically trigger and control 3rd party relays such as building alarms or HVAC systems.

Real-time **two-way communication** can be achieved using remote monitoring. The remote 'supervisor' can send a question or command. This can, for example, be used as a prompt to ensure the unit has been calibrated - '*Unit Calibrated?*' Can be sent remotely and displayed instantaneously on the instrument's panel, the receiver can reply '*Yes/No*' by pressing the necessary command on the touch screen. We anticipate many safety related applications for this feature.

A GPS option will also become available; meaning the location of each unit can be tracked and monitored remotely.

If you have any relevant stories, including any recent or upcoming exhibitions, application stories or customer testimonials that you want to be included in the next newsletter please feel free to contact us:

gevans@ppm-technology.com

Please read our article '**10 Commandments of IAQ**' recently published on *Environmental-Expert.com*
<http://www.environmental-expert.com/articles/10-commandments-of-indoor-air-quality-iaq-243789>



Mini IAQ Profile Monitors to be installed at European HQ.

Three **Mini IAQ Profile Monitor** units have been supplied to Google's European Headquarters based in Dublin. Google are keen to ensure the comfort, health and well-being of their employees. The monitoring units will contain sensors for 3 parameters - temperature, humidity and carbon dioxide.

We would like to offer our appreciation to Stephanie McCullough and Catherine McQuaid from **ARAMARK Ireland** who were instrumental during the project.

We hope this will be the first of many IAQ monitoring systems to be installed in Google's numerous office buildings worldwide.

PPM @ *UK Wireless Fortronic Technology* forum.

PPM's Roger Jones attended the recent Fortronic technical forum specifically dedicated to wireless technology, which took place on the 28th June 2011 at the Williams F1 Conference Centre near Oxford. The programme of events included technical presentations by some respected individuals and leading companies in the field of wireless technology.



The forum was beneficial as it informed PPM of the latest technology and developments in this field.

PPM welcomes colleagues from *Hinds International*.

Dennis Wong, Benjamin Wai and Rebecca Wong from **Hinds International** recently visited PPM Technology's HQ in Caernarfon. Constructive meetings were held regarding new and ongoing projects in which PPM and Hinds will co-operate closely.

The meeting was also an opportunity to discuss the progress, future aims and responsibilities of the interns currently employed concurrently by PPM and Hinds.

France adopts new method for measuring indoor air quality.

The French National Agency for Food Safety, Environment and Labour (ANSES) has adopted changes to its method of developing indoor air guideline values (IAGVs). ANSES has updated its list of priority substances for indoor environments based on the new guidelines. Including for Formaldehyde -



Short Term exposure level for formaldehyde (2 hours) - 50 ppm.
Long Term exposure for formaldehyde (1 day) - 10 ppm

Full Report - <http://www.anses.fr/Documents/AIR2010sa0307Ra.pdf>

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'Value Engineering' cuts manufacturing costs.

Our recent value engineering exercise was highly successful in significantly cutting manufacturing costs for our instruments. By sourcing new suppliers and components we have reduced production cost for our 3 parameter **Mini IAQ Profile Monitor** instrument for Temperature, Humidity and Carbon Dioxide, they are now very competitively priced; we predict there is a significant market for these parameters. **Please contact info@ppm-technology.com for details.**

Indoor Environmental Quality and LEED Construction.

As the awareness of the need for green commercial and residential construction has grown, so has the necessity for a certification system that rates how well a structure is built or remodeled. For this reason, the **US Green Building Council** developed the LEED certification system that measures the level of green building practices that have been implemented in the construction process. LEED stands for **Leadership in Energy and Environmental Design**.

LEED certification covers the broad spectrum of green building practices. Whether it is water efficiency, energy reduction, lower carbon emissions, minimized construction waste, or indoor air quality improvement. Indoor Environmental Quality is one aspect that must be addressed to achieve LEED certification; as construction becomes tighter and building more insulated, the need for proper moisture and air contaminant control becomes paramount. This category is designed to ensure a safe interior environment

Green Building Council Website - <http://www.usgbc.org/DisplayPage.aspx?CategoryID=19>

Formaldehyde report release was delayed by four years.

The US government has added formaldehyde to a list of known carcinogens. The report prepared for the Secretary of the Department of Health and Human Services (HHS), contained warnings from scientists that people with higher exposure to formaldehyde were more at risk for nasopharyngeal cancer, myeloid leukemia and other cancers.

However it has emerged the he study's release was delayed for four years. The years-long delay in the release of the report was the result of lobbying of the Obama and Bush administrations and Congress by the chemical industry. The president of the American Chemistry Council is a former member of Congress.

News report - <http://www.zanesvilletimesrecorder.com/article/20110623/OPINION04/106230312>

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