

November 2011

## Issue 13

### Swan Environmental promotes IAQ monitoring instruments in India.

Our distributors in India – **Swan Environmental** have recently stepped up their campaign to promote our multiparameter IAQ instruments; established in 1987, Swan are pioneers in supplying instrumentation manufactured by various international companies to the Indian market.



They are developing the IAQ market by continuous efforts to raise awareness of the issue, they have organized a number of seminars in many of India's major cities and industrial sectors; the seminars were an opportunity to present their latest technology, including PPM's instruments, and to provide hands-on training to customers.

The seminars targeted industries such as Power, Cement, Steel, Oil & Gas, Refineries, Pharmaceutical and Iron. And also Government sectors like Pollution Control Boards, Universities, R & D Centers, Occupational Health Centers, etc.

Each seminar attracted an average of 80 participants, approximately 2000 attended in total.

#### **Special Focus on IAQ:**

Swan are focused to develop the IAQ section of their business, and thus promoting PPM Technology's products in India; the participated in VENTCONF 2011 Conference on 4<sup>th</sup> November in New Delhi, where PPM Technology posters where on display.

Swan are planning to participate in more international events, including ISHRAE, held on 26<sup>th</sup> November 2011 at Hyderabad, and ACREX India 2012 (a major Exhibition of IAQ & Ventilation) 23 – 25<sup>th</sup> February 2012 in Bangalore. **Swan Environmental website - <http://www.swanenviron.com/>**

### IAQ monitoring instruments showcased at Green Middle East Exhibition 2011

Our distributors in the UAE and the Arabian Peninsula - **Green Eco Global Trading** recently participated in **Green Middle East Exhibition** held at Expo Centre, Sharjah, UAE. Green Eco displayed, promoted and demonstrated PPM's indoor air monitoring instruments to delegates at the event. Green Eco are now part of the **Global Engineering System LLC** company.



The exhibition promotes the environment industry in the Middle East region, featuring the technology equipment and products designed for environmental conservation and protection.

Exhibition website - <http://www.green-middleeast.com/>

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:

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## Taiwan set to introduce Indoor Air Quality Management Act

Taiwan's *Indoor Air Quality Management Act* has passed the third reading at the Legislative Yuan. The act, which will take effect one year after promulgation by the president, stipulates that owners, managers or employers of mass gathering spaces are responsible for maintaining indoor air quality in their venues, and that those who fail to meet standards will be given a period of improvement or face fines.

The air quality management act targets public areas, such as schools, medical and government organisations, financial institutions, opera houses, hotels, post offices as well as public transportation platforms.

Particular air quality requirements are given to different premises depending on their size, area, and exposure. The Environmental Protection Administration (EPA) and other environmental agencies can conduct unscheduled inspections, testing for excessive levels of CO<sub>2</sub>, VOCs, formaldehyde, TVOC, bacteria, and other airborne pollutants.

For large public buildings with a high flow of indoor occupants, the act stipulates for "automatic monitoring equipment" to be installed to continuously monitor the indoor air quality. The monitor data should be instantly displayed in a conspicuous location at the entrance of the building.



With the legislative passing of the Indoor Air Quality Management Act, Taiwan joined South Korea and become the second nation in the world to enact a law regulating indoor air quality. [More Info](#)

### IAQ Seminar:

To capitalise on this new legislation PPM's Managing Director John B Jones will be travelling to Taiwan at the end of April to attend a IAQ seminar organised by the Taiwan Occupational Hygiene Association. Our distributors Sheng Yi will have a booth at the exhibition; this will be a great opportunity to inform relevant Taiwanese companies and public bodies of the capabilities of our instruments in line with this new legislation.

### Mini IAQ Profile Monitors supplied to Sciencescan

Four Mini IAQ Monitors have recently been supplied by PPM to our partners in Singapore – Sciencescan. The four units will be used by the National University of Singapore to monitor indoor air quality in their building/s.

#### The four units were specified with different IAQ parameters -

**Unit 1** - CO, CO<sub>2</sub>, TVOC PID, Temp & RH. **Unit 2** – NO<sub>2</sub>, SO<sub>2</sub> & Ozone, Temp & RH.

**Unit 3** - HCHO, CO, CO<sub>2</sub>, TOV PID & Ozone, Temp & RH.

**Unit 4** - NO<sub>2</sub>, SO<sub>2</sub>, Ammonia, Methane & Glutaraldehyde, Temp & RH.

### EU report advocates action for healthy indoor air (IAIAQ)

A report prepared for the *Directorate General for Health and Consumers* as part of the EU health programme advocates further EU action and policy relating to Indoor Air Quality.

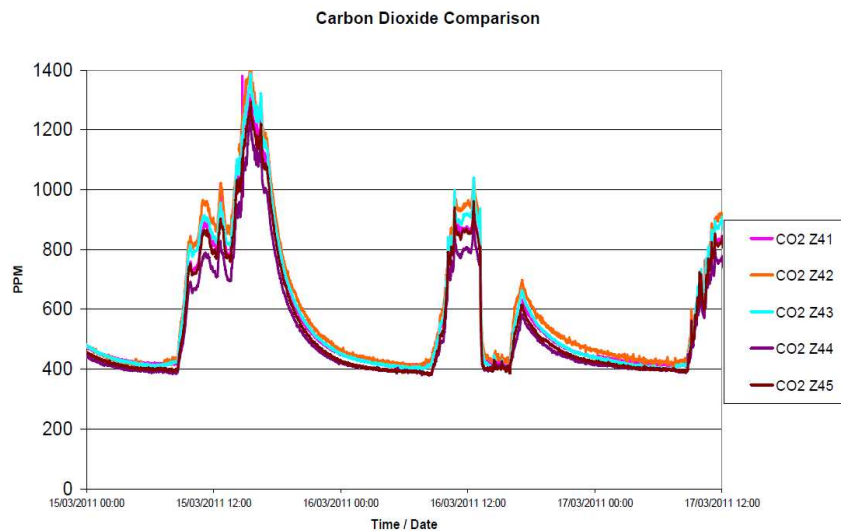
The main focus of IAIAQ was assessing the public health impacts of some current European IAQ policies, and to predict the potential impacts of some alternative and future IAQ policy scenarios. IAIAQ made also some attempts to assess the impacts of some EU funded IAQ data compiling projects on relevant legislation and the potential health impacts of such legislation. [Full Report](#)

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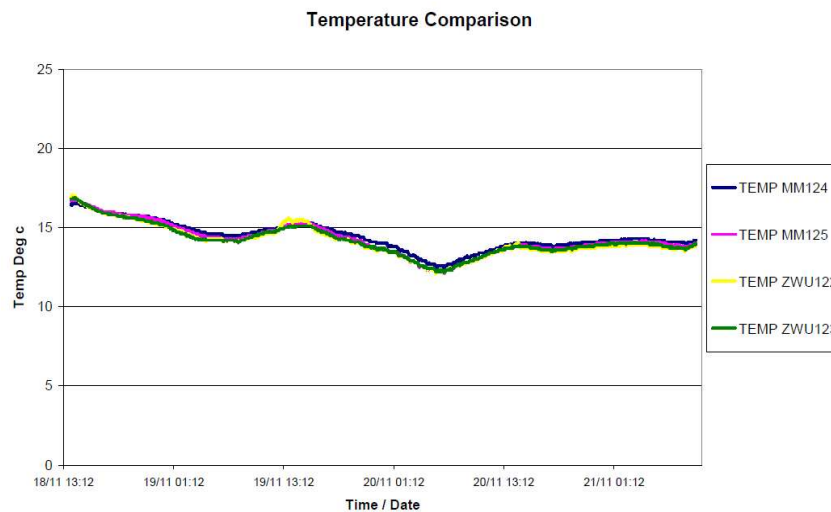
## Testing shows excellent consistency in sensor readings.

We continuously test on our IAQ Monitoring instruments; the graphs below show results from multiple units which were tested during a period of 6 days, the units were placed at various locations in our production laboratory. The results gathered showed excellent consistency in the data results of each unit.



The graph on the left shows the Carbon Dioxide results for five units over three days of sampling.

Levels visibly increase during office hours, when our employees are in the building.



The second graph shows the results from 4 units for temperature over a 3-day period.

Temperature is relatively consistent over the 3 days as the sampling period was over the weekend; therefore there was little activity at PPM, our heating system was switched off.

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