



# CEM INDIA 2019- SET TO BRING GLOBAL EXPERTS AND TECHNOLOGIES TO INDIA

**India, one of the fastest developing economies in the world, understands the need for better environmental governance that will enable sustainable growth . The decision to adopt real-time pollution monitoring systems in industries was one of the most crucial steps in this direction. It has been more than 5 years since the mandate was initiated for major India industries, including 17 categories of highly polluting industries such as steel, power, cement, refinery etc. Later it was actionized in comparatively smaller, but significantly polluting industries, classified as RED categories, and grossly water polluting industries.**



Although pioneer countries like the US and Europe have implemented such pollution monitoring regimes nearly three to four decades ago, it still requires further improvement. Obviously, for India – a new entrant in this league, the implementation of this new system was not easy, so challenges were expected. The options to learn from the systems adopted by the pioneers were also not easy, because the atmospheric differences, level of industrial process automation, technology availability, skill and knowledge availability, difference in existing regulatory

systems and infrastructure availability were big hurdles in the way. In other words, customization of the US and EU experience was needed for the Indian environment, and that was a big challenge. As a result, the journey that began, was not an easy one.

Initial phases of implementation were met with challenges such as selection of suitable and quality assured technology, correct installation, calibration & maintenance, and tamper-proof data transfer and handling. Central to all these problems was the lack of basic knowledge and skills in the stakeholders. While the

CPCB developed guidelines with time, and some training sessions were organized by different agencies, a global level exposure was initiated during CEM India 2017 Conference, organised in Delhi in September 2017. It was organised by the International Labmate (ILM,UK) in partnership with the Source Testing Association (STA, UK), the International Energy Agency (IEA, UK), the Centre for Science and Environment (CSE, Delhi) and the Federation of Indian Chambers of Commerce and Industry (FICCI, Delhi).

The event was India's first such large-scale event which brought together experts, technology providers, regulators, service providers and other stakeholders related to real-time pollution monitoring from more than 40 countries, on a single platform, to share enriched knowledge and demonstrate their technology and services. For the first time, Indian stakeholders, over 700 attendees, had the opportunity to see the variety of technology available, and understand from the global experiences shared by the experts. The event was successful and made a significant contribution towards capacity building of Indian stakeholders, while at the same time, opening the doors for international suppliers and service providers to enter the Indian market. Some of the Indian agencies also joined hands with overseas experts to develop infrastructure and solutions for real-time monitoring services.



CEM India 2017 was a grand success, that set the stage for the following CEM India events in the next couple of years. Two years post the first event, the time has come for Indian stakeholders to acquire more information and knowledge to tackle the new set of challenges that have emerged in the implementation of real-time monitoring systems in India. The initial challenges faced were superficial in nature, and have been more or less resolved by industries and regulators. The new set of challenges are complex- the need for full calibration, performance tests, stratification tests, identification of near to correct installation point in the absence of required infrastructure, correct set-up and operation of equipment and standardization of monitored values, in order to check compliance. The challenges of absence of indigenous systems for certification and laboratory empanelment for providing associated services, are yet to be solved. Here, we believe, the global expertise, knowledge and supporting hands can play an important role once again.

These are the expectations for CEM India 2019- International Conference and Exhibition, to be held on 24-26th September in Delhi. The event will not only capture real-time monitoring of air pollution, but also that of water and effluent quality, this time. International Labmate is organizing this event, once again partnering with STA- UK, IEA-UK, Knowledge Lens (India).



The experts, manufacturers, service providers, academicians and industries from different parts of the world will join and share their experiences in this event. Nearly 50 technology and service providers are set to exhibit their technologies and services. While nearly a month is left, participants have shown immense interest to register for the event. We are confident that the event will play a significant role for Indian stakeholders' capacity building, once again.

### CEM India Exhibition

With new environmental regulations on both emissions to air and water, the choice of monitoring equipment will be extremely important, so the CEM 2019 Exhibition will be an ideal opportunity for Indian companies, consultants, regulators and researchers to see the latest technologies, speak with global experts, and find the best and most cost-effective solutions to their monitoring needs.

Many of the exhibition stands will feature the latest monitoring equipment. For example, SICK India will feature the FWE200DH extractive scattered light instrument for reliable dust measurement in wet gases in applications such as wet gas scrubbing facilities, desulphurisation plants etc.

AMETEK Land will demonstrate its range of high-accuracy opacity and PM monitors, including the 4500 MkIII and a new opacity monitor, which is soon to be released for compliance opacity and



dust concentration monitoring. The Lancom 4 portable gas analyser will also feature; measuring up to eight flue gases in a range of combustion and emissions processes.

EM-Technik will display its high quality miniature fittings and connectors made of special plastics, and ENVEA will be demonstrating the latest continuous gas and particulate emission monitors. Markes International will be showcasing its recent advances in thermal desorption (TD) instrumentation, and Minipore Micro will display its economically priced glass fiber filters, thimbles and PTFE membrane filters.

Knowledge Lens will showcase its MCERTS certified and AI and Bigdata enabled data acquisition, handling and analytics system which is widely used by industries and regulators in India.

The Protea stand will promote their UK manufactured MCERTS approved in-stack CEMs, extractive FTIR and transportable CEMs. As a systems integrator, Swan Environmental Monitoring Solutions will promote its capabilities in the creation of bespoke monitoring equipment for both air and water emissions.

As one of India's largest manufacturers of environmental monitoring equipment, Uniphos Envirotronic will feature a wide range of products from portable and fixed gas detectors to water quality and emission monitoring equipment.



Following the extraordinary success of the 2017 event, organiser Marcus Pattison says: "In addition to air emissions, the 2019 event will also address the monitoring of industrial effluent, so we have had to enlarge the exhibition space, and I am delighted that we now have over 60 exhibition stands featuring almost all of the world's leading players in the field of continuous emissions monitoring."

Over 700 visitors attended the 2017 event, 95% of which were looking to purchase monitoring equipment. Feedback from the visitors was unanimously positive; for example, a CPCB visitor said: "It was a wonderful learning experience. I learned a lot about the certified technologies relating to the advanced CEM technologies that have been adopted worldwide."

### REGISTER NOW!

Delegates and visitors to CEM India will come from CPCB, the State Pollution Control Boards, research organisations, academia, consultancies and process operators for industries that need to monitor environmental emissions. Anyone wishing to visit the CEM India 2019 Conference and/or Exhibition should register at [www.cemindia.com](http://www.cemindia.com). Delegates can register for all three days of the Conference or for individual days. Conference registration provides access to the Exhibition as well as free lunches and refreshments. Visitors can also register to just visit the Exhibition which also provides free lunches and refreshments.

In order to encourage high levels of participation within India, grant funds have been made available for delegates that are based within India, and as a result, their rates have been greatly reduced.

You are welcome to join us in the event. [www.ilmexhibitions.com/cemindia/registration/](http://www.ilmexhibitions.com/cemindia/registration/)

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