TO MANAGE IT, YOU NEED TO MONITOR IT

Cement is a globally important construction material with production plants located throughout the world. International regulations and corporate standards require plant operators to manage and minimise their environmental impacts.

Industry needs reliable business partners that can be trusted to deliver high quality, technologically-advanced products and services. The Environment S.A Group provides Cement plant operators with a comprehensive portfolio of proven, reliable continuous emission monitoring systems (CEMS), enabling them to pursue optimum plant performance and production output.

Monitoring data can also be used for more than regulatory reporting needs, providing many valuable secondary benefits:

- Combustion process improvement
- Abatement plant performance optimisation
- Process efficiency assessments

The Environment S.A Group provides the products, solutions and services to achieve these positive outcomes.

SALES AND SERVICE NETWORK WORLDWIDE

Partnering with the Environment S.A Group ensures high value, high quality solutions:

- Over 30 years experience of producing technologically advanced analysers and pollution measurement systems
- Unique portfolio of monitoring and reporting products and services, direct from the manufacturer
- Internationally Certified and Approved solutions for global markets
- Vast experience of supplying proven solutions to industrial plant operators throughout the world
- Established systems to achieve regulatory compliance with process control and optimisation benefits
- Established worldwide service and support network through our exclusive distribution network of trained engineers and sales teams

Global references to demonstrate that we know and understand your processes

THE ENVIRONNEMENT S.A GROUP

The Environment S.A company was founded in 1978 to develop atmospheric pollutant monitoring equipment. Through committed investment in Research & Development and a well-targeted acquisition strategy, the company is now a market leader in continuous environmental pollution analysis systems:

- Ambient air quality monitoring (AGMS)
- Continuous emission monitoring (CEMS)
- Engine exhaust gas monitoring
- Radionuclide monitoring
- Environmental Data Acquisition and Handling Systems

Support Service Teams bring experience of a wide range of industrial sectors and process applications, thus ensuring systems are set-up, operated and maintained to maximise performance and functionality for their intended purpose. Environment S.A’s range of technical services also enable Environment Agency regulated processes subject to the Operator Monitoring Assessment (OMA) scheme to maintain or improve scoring through having formal and service maintenance contracts to ensure calibration and maintenance is carried out at the correct time. Global service packages also help to ensure requirements are met with regard to maintaining monitoring systems at a high level of data availability.

THE FUTURE IS MEASURED TODAY!
COMPREHENSIVE EMISSION MONITORING AND REPORTING SOLUTIONS

Investing in CEMS requires careful consideration of the process conditions and the unique environment each plant brings along. The unique Environment S.A Group product portfolio provides the complete range of emission monitoring solutions for the Cement industry.

From internationally-approved CEM systems, to advanced process and filter management devices, we will supply the best available technology for your needs, to help you achieve the benefits that our solutions can provide to you.

Gas

Established measurement techniques and advanced, market-leading technologies, such as FTIR and TDL, provide fully-approved CEMs and process control systems, covering the full suite of target pollutants.

- Combustion gases (O₂, CO, CO₂, SO₂, SO₃, NOₓ, etc.)
- Acid gases (HCl, HF, NH₃, etc.)
- Organic compounds (TOC, NmVOC, etc.)
- Mercury
- Fixed and mobile laboratories for air quality surveillance (gas & particulates)

We can ensure that your current and future monitoring requirements are met.

Particulate

PCME’s technologies include traditional and unique measurement techniques: Opacity and Dynamic Opacity™ transmissometry solutions; ProScatter™ (forward and back scatter), with extractive systems for wet flue gases and ElectroDynamic™, as a low maintenance alternative to optical techniques.

- Fully-approved main stack monitors
- Advanced control and data acquisition units for multi-sensor networks
- Filter plant bag row leak detection or electrostatic precipitator optimisation provides cost-saving and waste minimisation benefits
- Comprehensive range of sensors to cover the whole plant

Flow

Enhanced process control and accurate mass emission reporting is achieved through continuous flow monitors. PCME provides two proven flow measurement solutions: ProPitot™ (averaging pitot) and Fluidic™ (ultrasonic) technologies, with the following benefits:

- Fully approved main stack monitors
- Advanced control and data acquisition units for multi-sensor networks
- Filter plant bag row leak detection or electrostatic precipitator optimisation
- Provides cost-saving and waste minimisation benefits
- Comprehensive range of sensors to cover the whole plant

Data Management

The modular WEX™ software system provides integrated CEMS monitoring and reporting for environmental and process control needs, with full plant system connectivity. WEX™ is compliant to the latest international standards and approved by MCERTS.

An MCERTS Certified software

- The guarantee to have a correct Data management according to standard
- Compliance of the report with the EU regulations
- QAL2 management
- Automatic or manual QAL3 management (Control charts)
- Compliant with the future EU Standard (WG9 – CEN)