



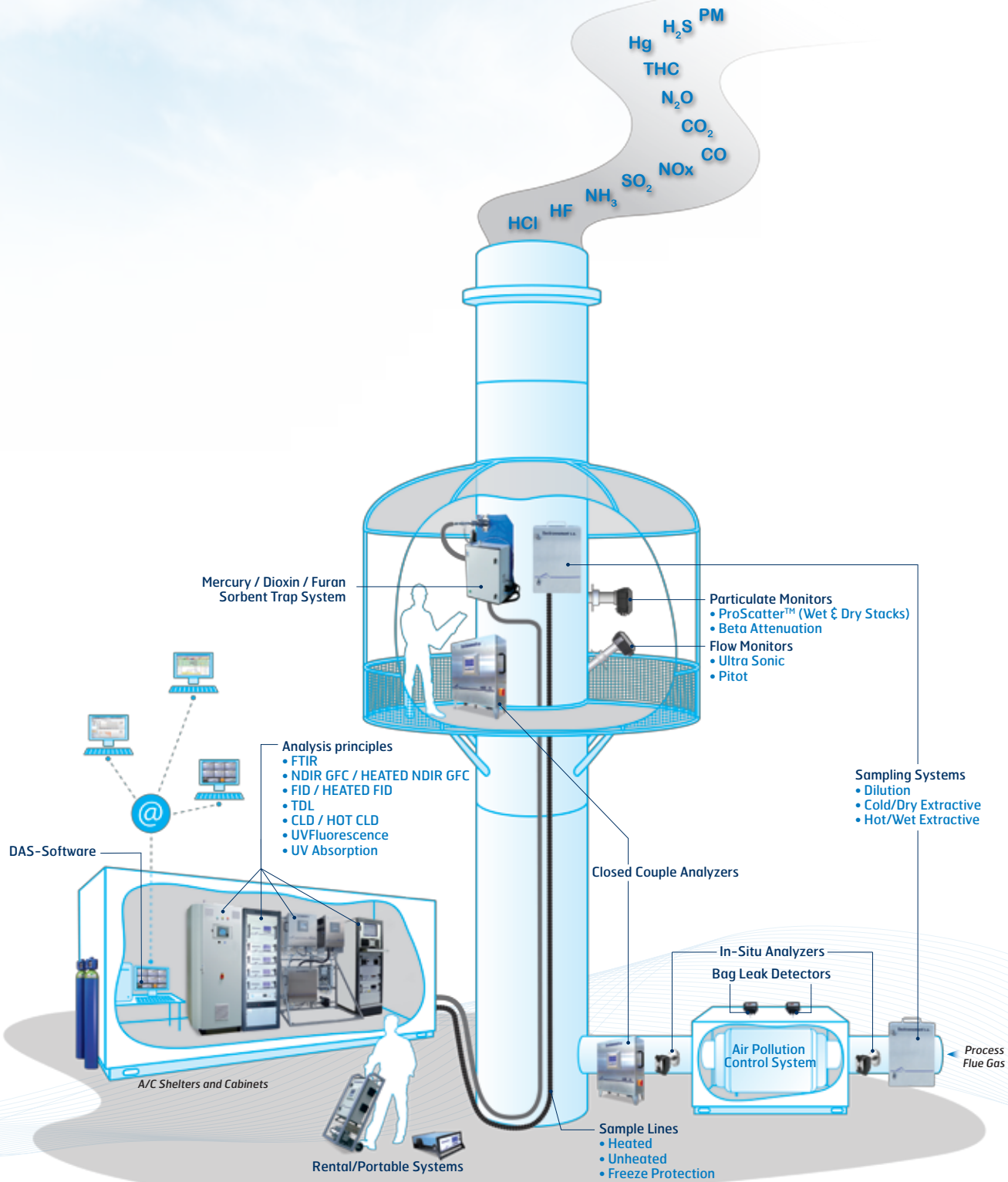
Altech
Environment U.S.A.



PARTICULATE
MEASUREMENT SYSTEMS



ALTECH ENVIRONMENT U.S.A designs and produces a complete range of state of the art analyzers, sampling systems, data acquisition and software's for the measurement and reporting of regulatory pollutants such as: **HCl, SO₂, NO, NO₂, NO_x, N₂O, CO, CO₂, CH₄, THC, NmHC, NH₃, HF, H₂S, TRS, O₂, H₂O, Temperature, Flow, Pressure, Particulates, Mercury, Furans, Dioxins...**



These instruments use PCME's unique and patented ElectroDynamic™ Probe Electrification technology. The sensor's electronics measure the current signature created by particles interacting with the grounded sensing rod which protrudes into the stack. The electronics extract a specific frequency band of this signal and electronically filters out the DC current caused by particle collisions. This signal may be correlated to dust concentration by comparison to the results of an iso-kinetic sample for those types of industrial stack applications for which the instrument is designed.

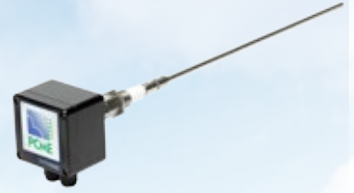
► SENSORS

DUST SENSE 30c

Dust Gross Filter Failure Detector

The DUST SENSE 30c is a reliable, cost-effective instrument for the continuous monitoring of fabric filter baghouses for broken bags.

- Dual alarms (early warning and filter failure)
- Integrated sensor and control unit
- Digital averaging avoids false alarms from baghouse cleaning pulses
- Scalable 4-20mA output



DUST ALARM 40

Compact Continuous Filter Dust Monitor

The new DUST ALARM 40 is a compact Continuous Filter Dust Monitor comprising of a sensor and control unit, ideally suited for filter monitoring to ensure correct, expected filter performance.

- Icon-driven menu and display
- Full-color, anti-glare 2.8" LCD (4:3 ratio)
- Full, clear System Overview
- Relative dust reading on clear scale 0-100%
- 2x Independent alarm set points, clearly defined
- System status / Alarms clearly defined
- External keypad for User Settings
- Field upgradeable



PCME 320

Multi-compartment Bag Filter Leak Detection System

The PCME 320 is a digitally networked, multi-compartment baghouse monitoring system providing remote observation of the condition of bag and cartridge filters.

- Self-contained leak monitoring system for on-line and off-line cleaned multi-compartment bag filters
- Identifies compartments with broken or leaking bags before large-scale emission events occur
- Reduces filter maintenance intervals, process down-time and filter costs
- PC-ME DUST TOOLS software options for comparing compartment emissions and locating specific, failing bag rows
- Sensor Probe Check option for improved data integrity and Quality Assurance
- Can meet **MACT** requirements



PCME STACK 990

ElectroDynamic™ Probe Electrification Measurement Technique

The PCME STACK 990 Bag Leak Detector features comprehensive automatic self-checks to ensure regulatory compliance and to provide plant operators with pre-emptive warning of potential sensor issues to allow preventative maintenance scheduling, lower process down times and confidence of data integrity.

- Extensively used for measurement (mg/m^3) and leak location in bagfilter stack applications
- Upgradeable to include control for up to 16 sensors plus additional 16 calculated channels (eg Mass or normalized concentration)
- Advanced sensor design includes zero, span and unique contamination checks
- Reliable automatic quality assurance features
- Rugged operation and advanced diagnostics capability for managing and improving the operation of bagfilter arrestment plant
- Can meet **MACT** requirements



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UNITED TO MEET YOUR
MONITORING NEEDS



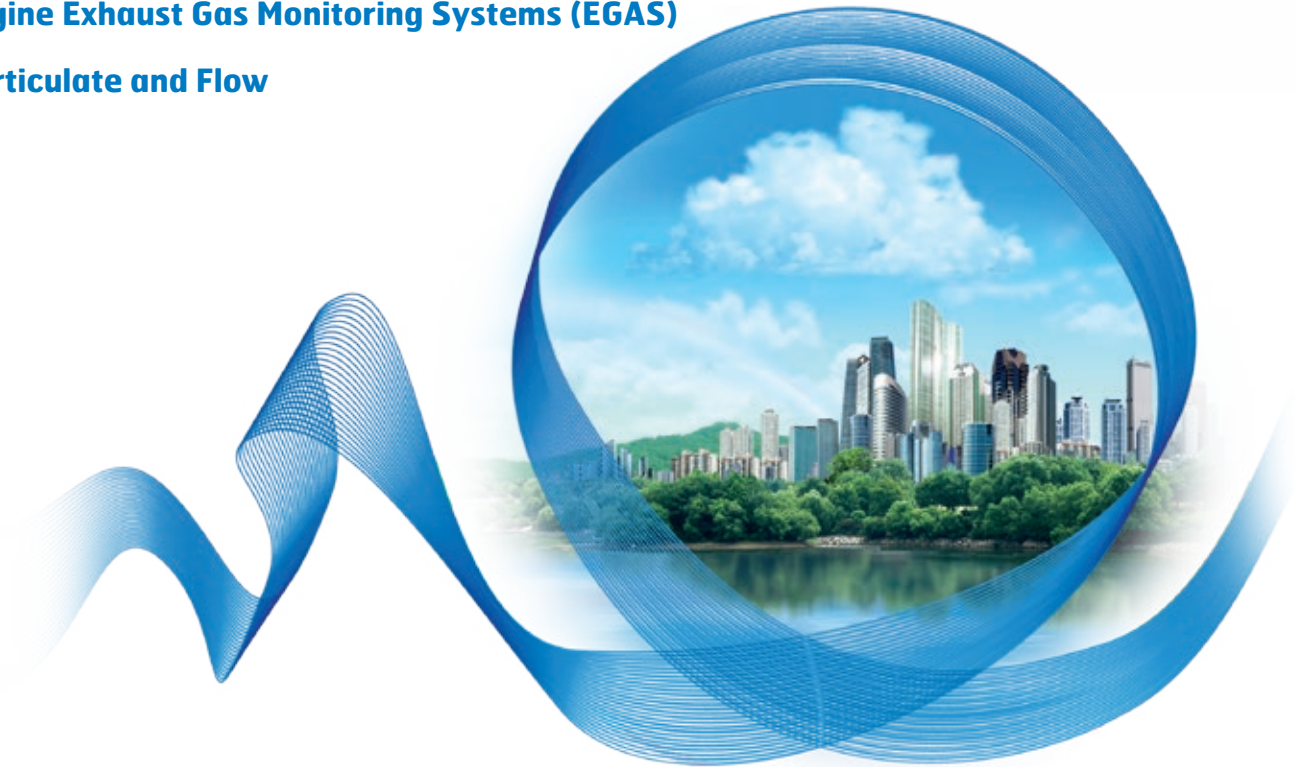
Passionate
about
Particulate



ALTECH ENVIRONMENT U.S.A is a world-wide designer and manufacturer of high-precision **measuring instruments approved by the U.S. EPA.**

We are committed to provide Best Available Techniques (BAT) and highest quality products and services for main **continuous monitoring applications:**

- **Continuous Emission Monitoring Systems (CEMS)**
- **Air Quality Monitoring Systems (AQMS)**
- **Engine Exhaust Gas Monitoring Systems (EGAS)**
- **Particulate and Flow**



With more than two decades of experience and hundreds of installations, Altech has become internationally renowned and is recognized as an industry standard for **accuracy, reliability, leading-edge technology and innovation.** Altech Environment U.S.A. is committed to the research, innovation and investment for developing new products to meet the ever-changing technical and regulatory needs of our industry.

Our broad array of analytical measurements and product range is supported by one of the largest worldwide sales and service organizations through a dynamic network of nearly 80 Companies and Partners. Engineering, Service and Spare Parts are all based in the United States.

Altech Environment's factory trained Field Service Team, averaging 15+ years of experience, provides expert services (hands-on and technical support) for your equipment all over the world.

As a supplier to the environmental industry, we integrate Data Acquisition and Handling Systems (DAHS) to complete the design for quality systems that meet **U.S. EPA** requirements.



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