

CEM Systems

(Direct Extractive, Dilution Extractive, and Insitu)

CEM Overview

For over 16 years, Trace has deployed over 200 CEM systems throughout the U.S. to many different industries (Power, Biomass, Cement, Waste Water, BioFuel, Petroleum, Chemical, Automotive, Nitric Acid, Landfill Gas, Universities and others). Trace provides the exact type of CEM for the particular application and needs of the client. And with non-exclusive relationships with our component suppliers, Trace is free to provide customer preferred analyzers, PLC's, probes, etc. And with our own state of the art DAS 2000 reporting software, Trace provides a turn-key, fully integrated solution.

Trace receives the components in our state of the art shop and we then fabricate and full shop-test the system prior to shipment. All CEM systems are fully documented with detailed electrical and mechanical drawings as well as system and components manuals. Trace also provides protocol preparation and monitoring plan preparation.

Once on site, Trace provides installation and commissioning services, RATA, and ongoing support of the system made up of scheduled and unscheduled visits.

System Details

- CEM Types: Climate Controlled Shelter, Free standing Nema cabinet, Insitu measurement
- Parameters Monitored: NOx, CO, O2 wet, O2 dry, SO2, N2O, CO2, THC, Opacity, PM, HCl, HF, Stack Flow, others
- PLC Types: Allen Bradley, GE, Siemens, Modicon, others
- PC with DAS 2000 software
- Meeting the following Requirements: 40 CFR Part 60, Part 75, 503 and other Federal and State regulations



About Trace Environmental Systems

Since 1995 Trace has been providing the highest quality of continuous stack monitoring and reporting systems along with support services. Trace provides CEMs, PEMs, reporting software, stack flow meters and support services including on site PM, CGA and RATA along with phone and remote access and report generation.