

SERVICE AND ENGINEERING FOR CEMS AND ONLINE ANALYZERS

Founded in 1990 and with over 200 years of combined experience, Control Analytics Inc. is the leading provider of maintenance and engineering service for CEMs and online analyzer systems.



Our CEMs expertise includes all CEM technologies including Straight Extractive, Insitu and Dilution CEMs for NO_x, SO₂, CO, CO₂, O₂, Mercury, NH₃, VOC/THC, Opacity, Flow, and Particulate.

In addition to CEMs, CAI analyzer engineering and system integration specialists are experienced in other analyzer system technologies employing Tunable Diode Lasers (TDL), Mass Spectrometers, Gas Chromatography, FTIR and FTNIR, X-Ray, RVP and other analyzer techniques and their associated sampling systems and PLC controllers.

FIELD SERVICES

- **CEMS EMERGENCY SERVICE**

CAI maintains a 24/7 emergency service hotline for assistance to our clients and can mobilize for emergency service requests on extremely short notice. CAI field service techs and engineers are extensively and widely trained at troubleshooting and repairing analyzer and system issues and recommending and implementing analyzer system improvements regardless of the original supplier or mix of components. If your CEMS needs service, Control Analytics can service it.

- **CEMS MAINTENANCE CONTRACT SERVICES**

To ensure optimum performance of your equipment CAI provides 5 levels of maintenance contracts.

Weekly - Monthly - Quarterly - Semi-Annual - Annual

These contracts services are designed around a client's specific needs and to fit within the client's budget:

- Preventative maintenance programs and analyzer and system refurbishment.
- Gas and Particulate CGA's and Linearity's and quarterly and annual audits.
- Mercury CEMs CGA's, integrity checks and calibrator NIST services
- Opacity and flow audits
- Appendix K sampling operation, quarterly audits and maintenance.
- Parts – CAI maintains an extensive parts stock in our Pittsburgh facility.

Weekly, Monthly and Quarterly maintenance contracts include additional benefits:

Discounted labor rates - Significant discount on parts - 24-hour service support



When a client's needs are more extensive than troubleshooting and maintenance CAI can help in many other areas including:

- TRAINING



- CAI can provide extensive on site and classroom training on system specific operation and maintenance, as well as general training on CEMs, process analyzers and sampling systems.



- DAS IMPLEMENTATION AND UPGRADES

- CAI can provide new and upgraded Data Acquisition and Reporting systems and integrate them into new or existing CEMs , PLC's and plant DCS systems.

- CEM CERTIFICATION SERVICES

- CAI can certify CEMs and assist with or perform annual RATA Certifications.



- SAMPLE LINE INSTALLATION ASSISTANCE.

- CAI recognizes the importance of properly installed sample lines to CEMs performance and longevity and provides sample line installation oversight and assistance services, or we can provide general contracting of CEM sample line procurement and installation.

- ENGINEERING, DESIGN AND SYSTEM INTEGRATION SERVICES

- CAI provides full service CEMs and online analyzer system design and integration services including comprehensive documentation packages and manuals including:



- Analyzer Shelters, Cabinets and Enclosures
- Analyzer System Integration, Startup and Performance Testing
- Shelter Safety Systems
- PLC System Design and Programming
- Certificated AutoCad 2016 drawing packages
- Operation and Maintenance Manuals
- QA/QC manuals and Monitoring Plans
- Permit review
- Specification Preparation
- Custom Analytical System Design and Upgrades



Safety First! CAI maintains a strict safety program and abides by all Federal, State and Local requirements where it involves safety, training and regulatory information.



CAI is compliant to several 3rd party contractor/supplier verification programs including DISA, ISNetwork, PEC Premier and PICS



Contact our Service Department at 724-387-2367 or Service@controlanalytics.com
www.controlanalytics.com

Control Analytics, Inc
6017 Enterprise Drive
Export, PA 15632
Phone: (724) 387-CEMS (2367)

