



# IntelliCEMS® Emissions & Process Monitoring

**Make an Intelligent Choice – When it comes to CEMS go IntelliCEMS®**

## APPLICATIONS :

- Coal and Other Fossil Fuel Power Stations
- Cement & Lime Kilns and Generation Facilities
- Bio-Mass Fueled Power Plants
- Steel Mills & Metal Industries
- Cogeneration Facilities
- Paper & Pulp Industries
- Gas Fired Turbines and Boilers
- Chemical & Pharmaceutical Industries
- Refuse and Waste Incinerators
- Refineries and Oil Processing Plants



## FEATURES :

- Quality and consistency of measurements in demanding sample matrix environments at the maximum achievable monitoring limits
- Durable, reliable low maintenance equipment performing with minimum downtime, demanding less of your attention so you can concentrate on your primary business
- Professional CEMS support beginning from application design and lasting throughout the entire lifecycle of your equipment
- A spectrum of products capable of optimizing and balancing your technological, compliance and budgetary concerns



## PRODUCT DESCRIPTION:

The Indusmation IntelliCEMS® IC Series offers a comprehensive, efficient and well-engineered package of Continuous Emissions Monitoring Solutions. Coupled with our Freedom Services Package® it allows you to relax with confidence, while entrusting your CEMS challenges in our competent hands.

With a variety of technologies out there and constant innovations, revolutionizing the monitoring field it takes a dedicated professional team of CEMS experts to design the optimal solutions for your monitoring needs. Benefiting from long-term experience both in the monitoring and pollution control equipment our CEMS Professional Engineers are capable of designing, integrating and applying turnkey solutions, using the right blend of proven technology and innovation.

We offer our expertise in designing and supporting customized systems for virtually any application, whether it is simple or challenging. We use state of the art measurement and sampling equipment, applying proven performance technologies. The result is a turnkey Continuous Monitoring Solution. Whether your application is in Stack Gas Monitoring or Process Monitoring choosing the right technology will result in efficiency and long-term satisfaction.



### Sampling Modules:

Full Extractive - Hot Wet  
Full Extractive - Cold Dry  
Dilution Extractive  
In-Situ Cross Stack  
In-Situ Probe

### Analyser Modules:

Non-Dispersive Infrared (NDIR)  
Ultraviolet (UV)  
Chemiluminescent (ChL)  
Heated Total Hydrocarbon (THC)  
Paramagnetic  
Cold Vapour Atomic Absorption Spectroscopy (CVAAS)  
Laser

### CEMS components and accessories:

Control Systems and Software  
DAHS and AB  
LaserSOFT®  
Calibration Systems  
Shelters and Enclosures  
Parts & Accessories

### Types of Gases & Parameters Monitored:

Hg(0), Hg(2)  
H<sub>2</sub>, HCL, HF, H<sub>2</sub>S, THC,  
CO, CO<sub>2</sub> CH<sub>4</sub>, O<sub>2</sub>  
NO, NO<sub>2</sub>, NO<sub>x</sub>, NH<sub>3</sub>,  
SO, SO<sub>2</sub>, SO<sub>3</sub>, SO<sub>x</sub>  
Opacity, Dust, PM  
Acid Dew Point  
Flow, Temperature & Pressure  
Custom Applications

**Freedom Services®**

## Indusmation Freedom Services® Package

- Professional Engineering resulting in Proprietary Monitoring Solutions with Proven Performance and Minimal Support Requirements
- Extensive Engineering Experience, providing Environmental Technology Solutions to Fortune 500 Industries and Companies
- Individualized Custom Design, addressing Monitoring and Reporting Requirements & Challenges in Specific Industrial Environments
- Reduced Acquisition and Ownership Cost as a result of Optimisation and Innovation
- Uncompromised Durability, Quality and Reliability of Measurements
- Highly skilled CEMS Professionals performing Fast, Responsive Installation, Maintenance and Emergency Services and Certification Support
- On-site and Factory Training for your Operations, Service and Maintenance Personnel
- A Comprehensive Inventory of Spare Parts and Accessories to support our Equipment
- Personalized Phone and E-mail Support, 24 hour Emergency Line
- A Network of Representatives covering most of the United States Territory and offering Local Sales and Service Support. International Representatives in Canada, Mexico, The Middle East, India and China



### Applications Engineering

Our expert engineers use decades of industry experience to provide the perfect solution for each customer. We understand that each application is unique and take a customized personal approach to designing the right CEMS for the application. With this in mind, all the systems we provide are extremely durable and engineered to last.

### Turnkey CEMS systems Integration

We provide turnkey Continuous Emissions Monitoring Systems solutions. With every CEMS we engineer, We will also offer installation, start-up support, on-site training, and initial calibration. In addition we provide complete project management to keep you up to speed throughout the entire start up process. With this kind of support Cemtrex ensures that with the purchase of any CEMS you will be up and running in no time.

### System Installation and Start-up

We believe in providing its customers complete solutions with all our products. This means that we will have your system working effectively with full installation and start up services.

### Preventive Maintenance

We provide maintenance programs that work for our customers on a monthly, quarterly, semi-annual, or annual basis. Our nationwide team of service technicians is always available at your convenience, should you need an emergency site visit. Our service technicians are trained and certified in accordance with applicable industry safety requirements (OSHA), EPA reporting and certification, and have experience with analysers and CEM systems, whether its our own models, or third party equipment.



### CEMS Training

Our knowledgeable engineers will provide your staff with comprehensive on-site training to make them experts in the operation and routine maintenance of your system. Whether it's a calibration or creating a compliance report, after our extensive training sessions your staff will have no problem keeping your monitoring system working effectively on a daily basis.

### Emergency "Rapid Response" Support

With the Freedom Services® Program, we provide immediate and efficient service and support to help solve whatever dilemma your CEMS may be experiencing. We have 24/7 technical support, a large inventory of spare parts, and most importantly on-hand service technicians ready to assist at a moment's notice should you require an on-site visit.

### Quarterly & RATA Certifications

Every engineered system is designed to meet your compliance needs. Throughout the design and installation process we will ensure that your system meets EPA compliance regulations such as 40CFR60, 40CFR75, among others. we have been providing compliance reporting for decades and is a recognized leader in the industry. Speak to our representatives today to find out why.