



# SmartCEMS®-EU PEMS

## Product Overview

The **SmartCEMS®-EU PEMS** or predictive emission monitoring system (PEMS) is a complete system that provides continuous data recording and report generation compliant under U.S. EPA 40 CFR Part 75 regulations. The system comes with a data acquisition component and is guaranteed to meet EU standards for combustion turbines and gas/oil fired boilers, or heaters. The data acquisition and handling system (DAHS) provides a secure and reliable means of collecting, storing, and reporting compliance data and generating the electronic data reports provided by DURAG Data Systems. The CMC PEMS is an acceptable regulatory alternative under the existing and proposed EU regulations where continuous emissions monitoring systems (CEMS) for source emissions compliance are required.

SmartCEMS-EU PEMS can be used on most combustion sources that fire gaseous or liquid fuels and for most compliance parameters such as  $\text{NO}_x$ ,  $\text{SO}_2$ ,  $\text{CO}$ ,  $\text{CO}_2$ ,  $\text{O}_2$ ,  $\text{H}_2\text{S}$ , hydrocarbons, ammonia, and formaldehyde just as a few examples. The software is easy to setup and configure with a non-proprietary user interface and other advanced features that make it cost effective to maintain.

## Product Features

- Two (2) Pollutants Standard ( $\text{NO}_x$ ,  $\text{SO}_2$ ,  $\text{CO}$ ,  $\text{CO}_2$ ,  $\text{NH}_3$ , hydrocarbons etc.)
- Oxygen Analyzer module ( $\text{O}_2$  and  $\text{CO}_2$  calculated)
- Compliance and software guarantee
- Initial guarantee and support for one year
- Certification guarantee and support
- Engineered and model development
- Interface to DCS or control PLC
- Uses industry standards (i.e. OPC, DDE, MODBUS, etc.)
- Complete model performance testing and report
- PS-16 Test Compliant Interface to data acquisition system
- Data acquisition and handling system (DURAG Data Systems)
- EU Reporting Options including audit procedures and QA

