CEMS

CONTINUOUS EMISSIONS MONITORING SYSTEM

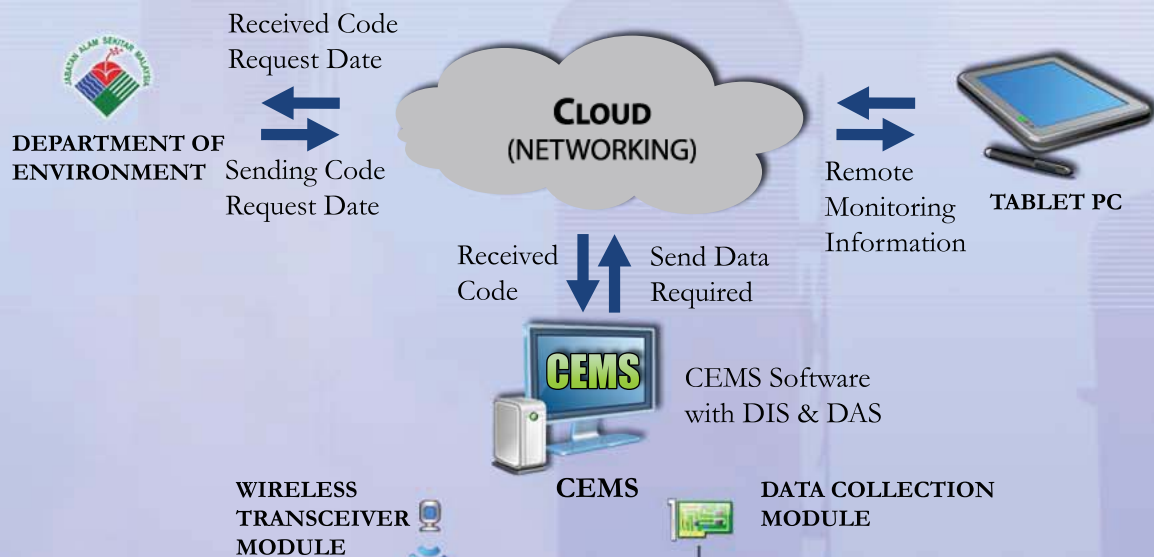### COMPLY TO DEPARTMENT OF ENVIRONMENT (DOE) MALAYSIA
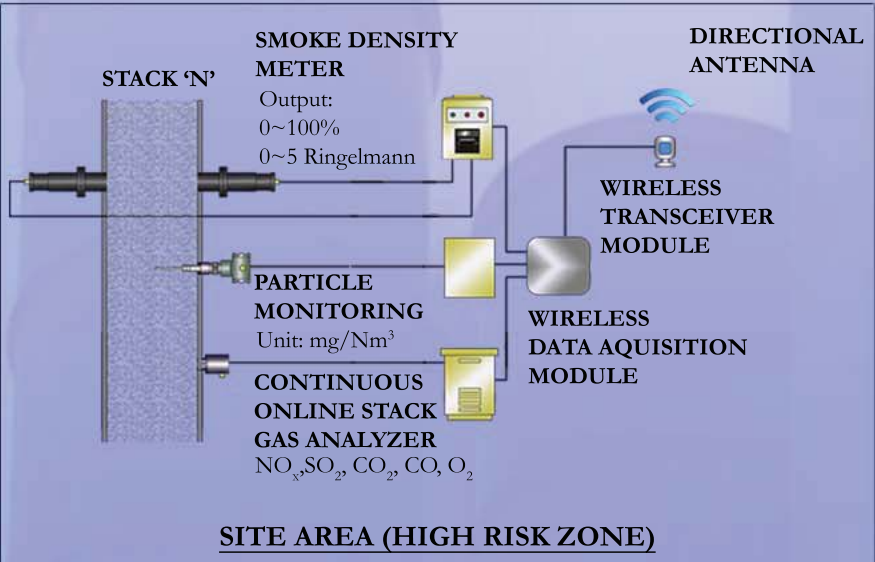
≫ Introduction:

LogicArt system observes smoke elements concentration emitted from smoke stack in power plant or industry. The system meets Department of Environment (DOE) Malaysia standards. It enables our customer to compliance with smoke emissions and control regulations.

LogicArt CEMS manage data collection and data analyze for DOE requirement in real time system. With easy interfacing and operating software advantages, LogicArt CEMS able to provide convenience for user to get data that collected at anytime. User also can take suitable action to handle problems with the alert system included.
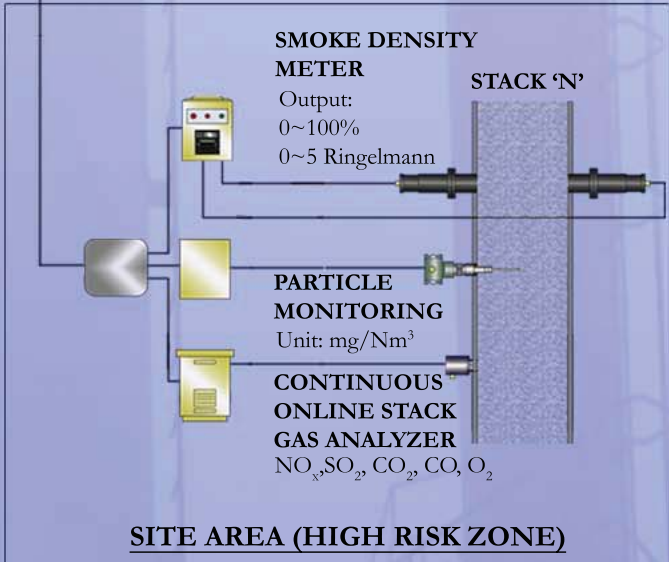
≫ Important of CEMS

Received Code
Request Date

DEPARTMENT OF ENVIRONMENT
Sending Code
Request Date

CLOUD (NETWORKING)

Remote
Monitoring
Information
TABLET PC

Received
Code
Send Data
Required

CEMS
CEMS Software
with DIS & DAS

WIRELESS TRANSCEIVER MODULE

CEMS

DATA COLLECTION MODULE

Send Data
Required

Send Data
Required

OPTION 1 : WIRELESS

STACK 'N'

SMOKE DENSITY METER
Output:
0~100%
0~5 Ringelmann

DIRECTIONAL ANTENNA

WIRELESS TRANSCEIVER MODULE

PARTICLE MONITORING
Unit: mg/Nm^3

WIRELESS DATA AQUISITION MODULE

CONTINUOUS ONLINE STACK GAS ANALYZER
$NO_x, SO_2, CO_2, CO, O_2$

SITE AREA (HIGH RISK ZONE)

OPTION 2 : HARDWIRED

SMOKE DENSITY METER
Output:
0~100%
0~5 Ringelmann

STACK 'N'

PARTICLE MONITORING
Unit: mg/Nm^3

CONTINUOUS ONLINE STACK GAS ANALYZER
$NO_x, SO_2, CO_2, CO, O_2$

SITE AREA (HIGH RISK ZONE)

>> Features:

Print Function

Webserver

Alarm Logging

Event Logging

Simple & Advance Application

5 Years Database

Optional Expandable up to 10 Stacks

Operate According to Real-Time

Sound Alert when Alarm Activated

Low Processor Usage

Export to EXCEL

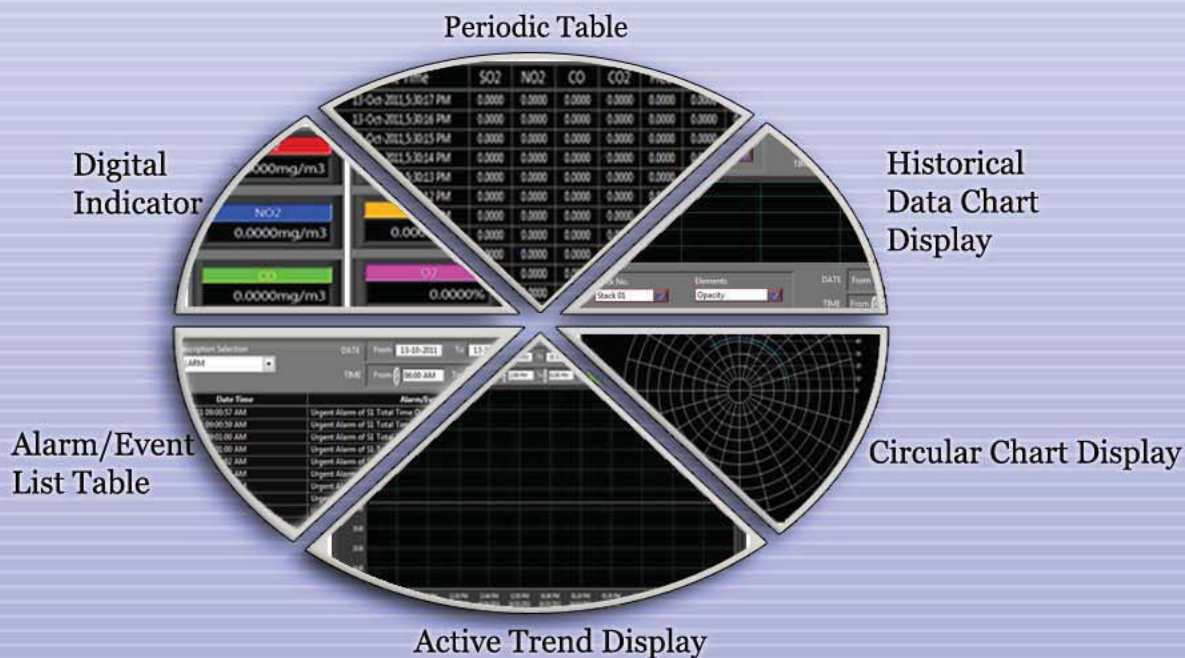**Multiple Data Acquisition Display**

DOE Activity - DOE Event Logging
- Decode DOE Standard Language
- Show Latest DOE Request Date

Set Able Alarm Alert According to Time Limit by DOE

>> Data Acquisition Display:

Periodic Table

Digital Indicator

Historical Data Chart Display

Alarm/Event List Table

Circular Chart Display

Active Trend Display