Syscom 18 SRL is a well-known provider for key solutions for CEMS for a broad range of customers, from different market domains. The measurements are performed in order to comply with the requirements for the pollutants emission from combustion plants, imposed by the international laws concerning the environmental protection.
WHO WE ARE?
We are a distinct Department from Syscom 18 SRL, able to provide key solutions for CEMS for Process or Ambient purposes.

The team is configured on different action levels in order to cover all the necessary activities and being able to provide a technical solution appropriate to the customer needs.

Our Sales Team is here to support our customers in defining their needs and working with Engineering Team to determine the best possible solution for them.

Our Engineering Team can offer a broad range of services and products dedicated for CEMS for Process or Ambient monitoring.

WHAT CAN WE OFFER?
- CEMS (Continuos Emission Monitoring Systems), Ambient & Process Monitoring:
  - CEMS Consulting Services
  - CEMS Original Equipment
  - Custom Products
  - Engineering
  - Project Management
  - Documentation
  - DAS – Data Acquisition Systems
  - Commissioning
  - Training
  - Certifications
  - Other services.

CEMS, AMBIENT & PROCESS MONITORING
- Full – Extractive Dry Systems
- Hot – Wet Extractive (Dust measurement systems)
- In – Situ Systems (Zirconia)
- Emissions Systems (Ambient)
- Dilution Systems.

Complete Solutions for Process Control and Metering Systems
VARIOUS MODERN TECHNIQUES FOR ANALYSIS

- Different Analysis Technique
- NDIR
- FTIR
- UV multi-wave dispersion
- In – Situ Zirconia sensor
- Paramagnetic analysis (Oxygen)
- Gas Chromatography
- TLD – Tunable Diode Laser
- FID – Flame Ionization Detection
- Chemiluminescence
- Fluorescence
- Thermal Conductivity
- Ultrasonic, triboelectric and gravimetric measurements.

FOR DIFFERENT GASES

- For stack, ambient or process gases
- CO
- N2O/NOx/NO/NO2
- SO2
- CO2
- NH3
- CH4
- H2S
- VOC's
- ...and many other: dust, water traces, freons, SF6, and opacity, flow rate...as customer requested!

APPLICATION ANALYSIS

- For stack, ambient or process gases
- CEMS Compliance with the customer needs: process monitoring or for environmental purposes, pollution control equipment
- Including Measurement Location Information
- Estimated Range of Constituents
- Location of Equipment
- Information Required and Purpose (DAS evaluation).

DESIGNING, ENGINEERING, PROJECT MANAGEMENT AND COMMISSIONING

- Review of Technical Specifications
- CEMS & Services proposal
- Equipment Acquisition
- Engineering for CEMS System and DAS System
- Project Management in order to provide a Key Solution for CEM
- Commissioning
- Certification in accordance with Local Regulations
- Training.

POST – COMMISSIONING SERVICES

- Repair Services During the Warranty Period
- Emergency Repair Service
- Preventive Maintenance Plans
- System Upgrades with Recomended Short & Long Term Upgrades
- Re – Certification
- Spare Parts Supply
- Parts Inventory for the most components.

OUR PARTNERS

- ABB
- DURAG
- ENOTEC
- BUEHLER
- M&C
- PSG
- FUJI
- UNITRONICS
- CITECT (SCHNEIDER)
- SICK
- PARKER.

Complete Solutions for Process Control and Metering Systems
Environmental protection is a leading issue in public opinion today and has resulted in increasingly strict regulations coupled with a growing demand for air emission measurements. A continuous emission monitoring system (CEMS) is the total equipment necessary for the determination of a gas or particulate matter concentration or emission rate using pollutant analyzer measurements and a conversion equation, graph, or computer program to produce results in units of the applicable emission limitation or standard.

The companies developing such systems do their best to provide reliable cost effective solutions and advanced features for complex energy facilities. An expert company such as Syscom 18 offers complete solutions for stack emissions monitoring. The systems are extractive, in-situ or combined depending on customer needs and conditions within the process.

Systems built on standard measure the following elements: NOx, SO2, CO, CO2, O2 (for reference), dust in mg/Nm3 and the flow. The measured instantaneous values are integrated with the flow values. At customers’ requests we can also develop systems to analyze other chemical species: NH3, H2S, HCl, CH4, H2 etc.

Syscom 18 is a system integrator offering complete solutions for industrial automation and process control. Syscom 18 is the direct partner of well-known global companies: ABB Analytical GmbH, DURAG, SICK.

The systems offered by Syscom 18 have covered a wide range of applications in several areas: metallurgy, chemical industry, power plants, cement and construction materials etc.

Having more than 10 years of experience in this area, Syscom 18 is able to implement complete projects for gas analysis, from design to commissioning and turnkey delivery of the system analysis.