



ANALYTICAL INSTRUMENTATION & MAINTENANCE SYSTEMS (AIMS)

ANALYZER & EMISSION / COMBUSTION DIVISION



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Why AIMS?

Aims provides the finest and most comprehensive range of services to support process analyser systems and equipment associated with effective and efficient emission and combustion monitoring ensuring minimum downtime. With our wide network of offices throughout the Middle East, Aims has the largest pool of qualified, trained and certified engineers. With 12 years of experience in the region, Aims has gained the knowledge and trust to select and service emission and combustion systems and equipment for any application the customer may require.

AIMS Specialization

Aims with its innovative methods for providing solutions, together with our partners who are world renowned technology leaders, is able to customise requirements across the various sectors of the process industry including oil, gas, petrochemical, steel, cement, and more who need to meet their corporate, statutory and regulatory requirements with regards to combustion, emissions and ambient air quality.

Aims and their partners are the market leader in the supply of process analyser systems to various Sulphur Recovery processes.

Service

Our dedicated of over 300 engineers and technicians are passionate about providing customers with an unmatched experience as they help solve critical issues.

TECHNICAL SUPPORT:

We are fully equipped to provide on site field services to any type of both online process and laboratory analysers.

SPARE PARTS:

We are always prepared with spares to quickly handle any maintenance or replace part issues. We also stock critical spares.

COMMISSIONING AND START UP:

Our OEM trained service engineers ensure proper operation and commissioning of your analysers for new installations, product upgrade and overhaul.

EMERGENCY SERVICES:

There will always be someone available to deal with any emergency in any event.

ANNUAL MAINTENANCE CONTRACTS:

We provide Maintenance contracts therefore avoiding added costs and inconvenience for emergency situations. Aims has maintenance contracts with many major Oil and Gas Companies throughout the Middle

ON SITE TRAINING AND SEMINARS:

Aims conducts on site, hands on training from routine maintenance to intensive trouble shooting

MANUFACTURING Facility

A dedicated workshop located in Musaffah, Abu Dhabi equipped with:



Utility Area: 800 Sq.M
Integration Space: 15-10 Cabinets
Storage Space 20 to 25 Cabinets
Shelter Integration 10-8 mid-size shelter
Air Conditioned Area for repair & calibration of various analyzers
Storage for equipments and spares

INTEGRATION Facility



Integration Work: Analyzer Shelter with complete F&G, Communications Interface System, Sample System, Recovery System etc.
Cabinet and Cooling Arrangement – Stand alone, standard size or Customized to fit Analyzers
HVAC/AC, heating ventilation and/or air conditioning

IN HOUSE Training



Fully equipped training center with capacity of 30 persons.
Having an integrated facility helps us to provide students with hands on exposure to demonstration units.
Experienced trainers with sound technical backgrounds.
Exclusive training material provided in for of a training manual for all systems equipment.

CALIBRATION Services



AIMS is certified to calibrate equipment and issue certificates that are traceable back to International Standards.

PROCESS Analyzers

We serve Oil & Gas, chemical, steel, fertilizers as well as other manufacturing industries by providing integrated turnkey solutions that include Analyzers, enclosures, sample conditioning systems and shelters.

Analyzers

Process Analyzers used in Sulfur Plant and Natural Gas Applications - H_2S , SO_2 , Moisture, Oxygen etc.

Analyzers for Moisture, Oil-in-Water, Liquid Analyzers, CO_2 , HC Dew Point, Total Sulphur, Density, Specific Gravity and Conductivity Analyzers

Laboratory Analyzer – Sulphur, Chlorine, Multi element, H_2S in liquid Sulphur, HFRR Lubricity



TDLAS Analyzer



Process Spectrophotometer



Sulphur Recovery Tail Gas Analyzer



Physical Properties Analyzer



Oil-in-Water Analyzer



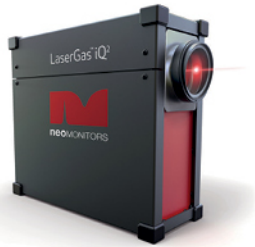
Oxygen & Combustion Analyzer

We offer a full spectrum of physical properties Analyzers for midstream and downstream that includes cloud point, freeze point, flash point, colour/opacity, and vapour pressure analyzers.



We offer innovative optical analyzers based on Tunable Filter Spectroscopy (TFS™) which provide real-time gas analysis with hydrocarbon speciation capability equivalent to traditional Gas Chromatography (GC) instruments yet with much lower cost of ownership.

EXD version with 60°C temperature rating



Neo Monitors

LaserGas™ iQ2 analyzer is the first to measure four gases (O₂, CO, CH₄, H₂O) and temperature in one unit, which eliminates the need for multiple units for combustion analysis. The cutting-edge design and ground-breaking functionality, ensures that the instrument delivers unmatched reliability and durability.

By providing an optional single flange solution, installation cost can be significantly reduced. Customers may replace existing analyzers where explosion risks or high maintenance issues are a huge concern.



Determine the total sulfur concentration in liquid or gas phase samples to ensure process optimization, maximize profitability, and maintain

regulatory compliance with the Thermo Scientific™ SOLA iQ On-line Sulfur Analyzer. Utilizing unique Pulsed Ultraviolet Fluorescence (PUVF) technology and the proven Pyrolysis system, the SOLA iQ analyzer builds on the success of the SOLA II range of total sulfur analyzers with an install base of thousands of units for measuring total sulfur concentration at the world's leading oil & gas companies.



System Integration & Process Engineering

Automatic Sampling System (Auto Sampler)

HVAC Unit (Heating Ventilation and Air Conditioning Units)

LABORATORY Instrumentation

We offer lab instruments in accordance with various ISO and ASTM test procedures. The instruments include tribology equipments for fuels & lubricants testing, elemental analysis using XRF technology, Portable Multi Gas Analyzers etc.



HFRR Analyzer



Flue Gas Analyzer



BOCLE Analyzer

AIR QUALITY Monitoring Solutions

Millions of people are affected each year due to air pollution. Prolonged exposure to toxic and obnoxious compounds can be linked to serious respiratory diseases.



International Environmental and Health Authorities proactively monitor the ambient air to locate the emission sources in order to preserve health and well being for people world wide.

AQMS reports quantity of gases detected that are responsible for Global warming also known as the Greenhouse Gas Effect.

In our endeavour towards environmental solutions, we provide:

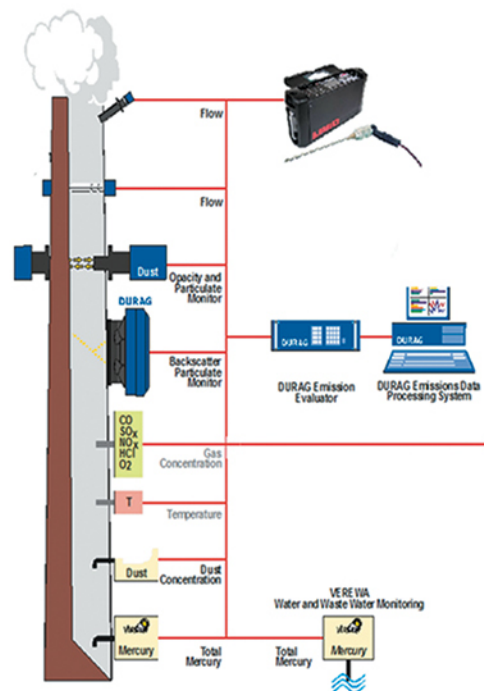
AIR QUALITY MONITORING SYSTEMS

Comprehensive AQMS solution. Supply of Analyser System, Meteorological Sensors and Systems, Data Logging and Reporting Systems. Fixed or portable Enclosures. Certified to various International Environmental Agency Standards.

EMISSION Solutions

System Integration capability and expertise of AIMS combined with excellent products from world renowned manufacturers makes us the ultimate choice for executing CEMS solutions.

- Fense forgetive emission monitoring
- Plant emission monitoring



COMBUSTION Technology

IGnite

Control

Monitor

Analyse

Complete range of Main & In line Burner Package

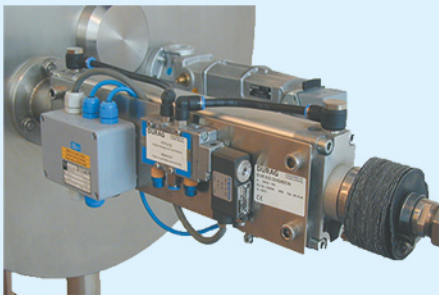
Incinerators and Gas Flares



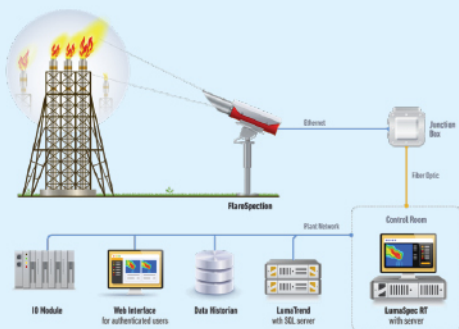
SIL 3 certified Flame scanner and control unit in one compact housing monitors for multi burner applications Spectral ranges UV, IR.

Flame Sensor for Multi Fuel Burner / Oil and Gas

Flame sensor for gas turbines and high temperatures & can be high vibration environments (up to 10g)

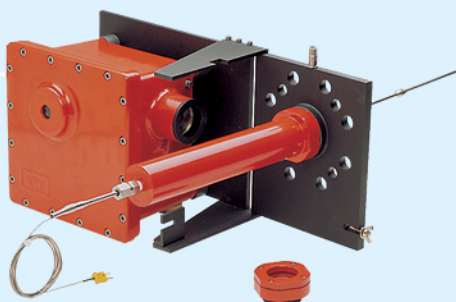


Reliable Ignition for Pilot Igniters (Electric or Fuel Fired), Igniters (fixed type and Portable), Auto Ignition System, flare igniters & can be used for all type of fuels gaseous, liquid



Flare Monitor

AIMS offers temperature elements like Thermowells, Thermocouples and RTD for high temperature & vibrations applications



SRU Pyrometer

With an explosion proof housing, the infrared thermometer (pyrometer) is intended for monitoring the Refractory and Gas temperatures inside Sulfur Recovery Units, Sulfur Burner Furnaces, and Thermal Oxidizer Furnaces frequently found at these facilities.

PRODUCTS We Support



The TOC Company



CUSTOMERS We Support



ADNOC GAS PROCESSING | ADNOC ONSHORE | ADNOC OFFSHORE
ADNOC REFINING | ADNOC FERTILIZER | ADNOC TECHNICAL ACADEMY
ADNOC LNG | ADNOC SOUR GAS | ADNOC PETRO CHEMICAL

