

PRODUCTS We Represent



CUSTOMERS We Support



ANALYTICAL INSTRUMENTATION & MAINTENANCE SYSTEMS (AIMS)

Innovation of the Present is Inventing the Future



HEAD OFFICE

AIMS OIL & GAS EQUIPMENT TRADING & MANUFACTURING

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OUR BRANCHES

- Dubai
- Oman
- Kuwait
- Qatar
- KSA
- India
- Egypt

IN-COUNTRY INVESTMENT

THINKING GLOBAL AND ACTING LOCAL

Being a multinational company, AIMS completely aligns and focuses its business model to serve the local market. In 2018, AIMS earned the top spot with highest ICV value among analyzer vendors in UAE and other regions and has continued to retain it's spot.



Why AIMS?

- Dedication to the field of analyzers.
- Provides innovative engineering solutions
- Brings technological updates to the customers in middle east
- Well versed in cost optimization solutions - its our culture.
- Low opex - no opex is our target.
- Permanent - on demand spares inventory - available 24x7.
- All core team certified to IECEx.
- Most of major Itpa contracts for analyzer in the region performed by aims

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. This mainly include 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 leaders in the supply of process analyser systems to various Sulphur Recovery processes.

Specialized Services

Our dedicated team of 500+ engineers and technicians are passionate about providing customers with an unmatched experience as the help solve critical issues.

Our specialization of services include and not limited to

TECHNICAL SUPPORT:

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

SPARE PARTS MANAGEMENT:

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 and authorized services engineers ensure proper operation and commissioning of your analysers for new installations, product upgrade and overhaul.

CRITICAL 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 East.

TRAINING AND SEMINARS:

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

The Leading Global Provider Of Innovative Safety Driven IECEx and ATEX Certified Cooling Solutions.

HVAC



- Ex-HVAC Equipment - Custom-engineered & standard design HVAC certified to operate in Zone 1 hazardous areas for a broad range of Industries and end-users
- Ex-HVAC Compressors - Custom-engineered & standard design HVAC certified to operate in Zone 1 hazardous areas for a broad range of Industries and end-users
- Mobile Ex-HVAC Rental - On/offshore emergency, maintenance duty for critical infrastructure, ventilation/spot cooling



LaserGas™ iQ2 Vulcan

LaserGas™ iQ2 Vulcan is the first in-situ single-flange solution to measure up to four gases (O2, CO, CH4, H2O) as well as the process temperature in a single unit.



QuickTOCuv

LAR's QuickTOCuv is a measuring device for continuous online determination of total carbon (TC), total organic carbon (TOC), biochemical oxygen demand (BOD), and chemical oxygen demand (COD) in pure water e.g. condensate return and boiler feed water.

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

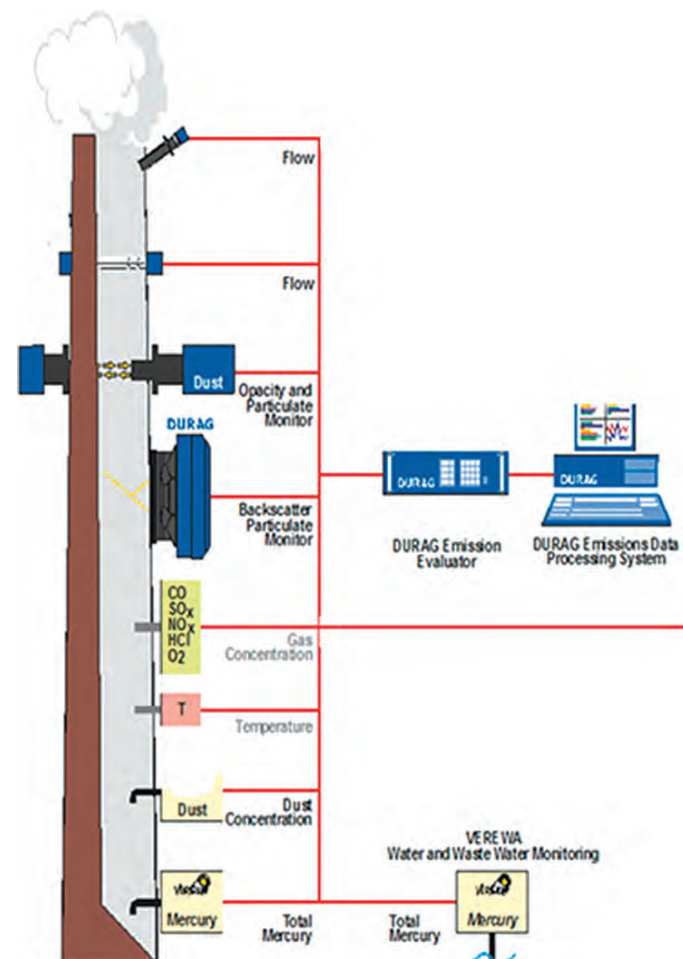
Comprehensive AQMS solution. Supply of Analyser System, Meteorological Sensors and Systems, Data Logging and Reporting Systems. Fixed or portable Enclosures. Certified to various International Environmental Agency Standards.



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.

- Fugitive emission monitoring
- Plant emission monitoring



ASSETS

MANUFACTURING Facility



Utility Area: 6135 Sq. feet
Integration Space: 45-55 Cabinets
Storage Space 45 to 55 Cabinets
Shelter Integration 22-32 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

IN HOUSE Training



Fully equipped training center with capacity of 50+ persons.
Having an integrated facility helps us to provide trainees with hands on exposure to demonstration units.
Experienced trainers with sound technical backgrounds.
Exclusive training material provided covering the real time applications.

CALIBRATION Services



Calibration & Services offers inspection, calibration, certification, and repair of all manufacturers' infrared pyrometers, scanners, and thermal imagers.

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



Physical Properties Analyzer



Oil-in-Water Analyzer



Total Sulfur Analyzer



H_2S Analyzer



Oxygen Analyzer

We provide 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.

HC Analysis



AP5

First UAE manufactured analyzer approved IECEx

We present innovative optical analyzers based on Tunable Filter Spectroscopy 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 Tamb 60°C temperature rating

H2 Analysis



H2Scan

We provide critical & Challenging, Hydrogen detection analysis and measurement using patented, solid-state core hydrogen sensor technology

Trace Moisture Analysis



ap2e

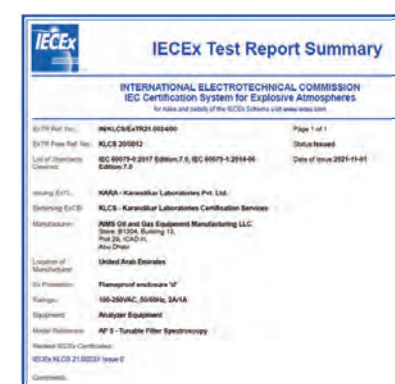
Low level Detection of H_2O in liquified natural gas

The ProCeas H_2O uses the patented OFCEAS (WO 03031949) IR Laser technology for enhanced specificity,

selectivity, accuracy and stability (no instrumental response drift.)

Thanks to OFCEAS (optical feedback cavity enhanced absorption spectroscopy) for making the reality of trace level (ppb) moisture measurement possible.

Tamb : 20- to 60+ deg C



Sampling System Design

Process sample probes and sample transport lines design

Sampling System

LABORATORY Instrumentation

We provide 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.



Da Vinci



HFRR Analyzer



BOCLE Analyzer



Shell Catalysts & Technologies

JM Johnson Matthey
Inspiring science, enhancing life



EASTMAN



TRANSCEND



Sulfur Operations Support

SIMULATION SOFTWARES & SERVICES

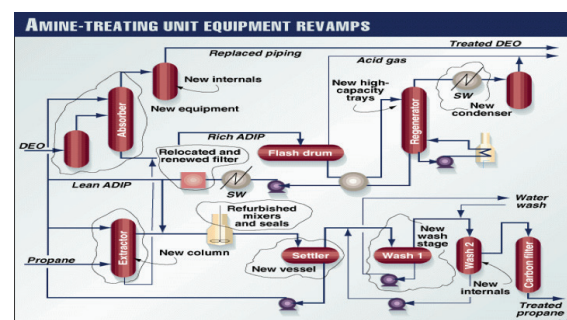
Knowing the complexity of processes and involving different process technologies, AIMS recognized need of support to Process engineers in the form of Simulation tools.

AIMS promote PROTREAT to all the process persons by offering free seminars, trainings, experts visits and license

PROTREAT software is distinguished by its exclusive use of a fundamental mass and heat transfer rate approach to column modeling and now includes a number of proprietary solvents, physical and hybrid solvents, dehydration, sour water stripping. It is used in the industry for over 35 years and is being used by thousands of people in 30 countries to design and optimize gas processing, refining and chemical facilities around the world.

We have an alliance with BR&E and provide:

- Training to PROTREAT Users
- License agreement to customers
- Technical assistance and initial modeling



Our product range includes:

- Generic MDEA & specialty Amines
- Hydro processing and Tail Gas Hydrogenation Catalyst
- AGRU & Integrated SRU technology support
- Flexsorb
- Tri Ethylene Glycol
- Di Glycol Amine
- Amine Reclamation Services and Rentals
- Ferrules, Hex walls and Vector Walls
- Refractory Bricks and Refractory Materials
- Claus Catalyst and Ceramic Balls
- Cartridge Filters
- Customized skids, separators, Heater treaters and vessels

PLANT TESTING AND PERFORMANCE EVALUATION

AIMS with Sulphur Experts have been providing technical assistance to Oil and Gas Industries regarding.

- Performance Testing
- Troubleshooting
- Engineering Studies
- Technical Assistance
- Process Simulation
- Training
- Analytical Equipment

The primary goal of these services is to provide protection of environment to meet Government regulations and reducing SO2 pollution Sx quality and production. We have been involved in complete testing full range of Sulphur processes including

- Conventional 2, 3, 4 Claus
- Sub Dew Point Processes
- Amine Absorption Processes
- Direct Oxidation Processes
- Related Technologies (O2 Enrichment, NH3 Destruction)



PROCESS TECHNOLOGY DIVISION

Chemicals, Catalyst and Technical Support



AIMS-SRU SPECIALIZATION AND SERVICES

- Leading Process solution provider for Oil & Gas Companies in Middle East covering spectrum of emerging Technologies
- Plant testing and Optimization services
- Catalyst and Chemicals
- Supplying new equipment, products and services to support best Process practices
- Process Optimization services to recover energy losses & Emission Reduction
- Providing expert training for Operation & Maintenance teams
- Supply of Analyzer Package :
→ Design, Integration, Fabrication, Testing and Supply
- Workshop & Storage Facility

Web: www.aims-gt.com



AIMS Oil & Gas Equipment trading & Manufacturing

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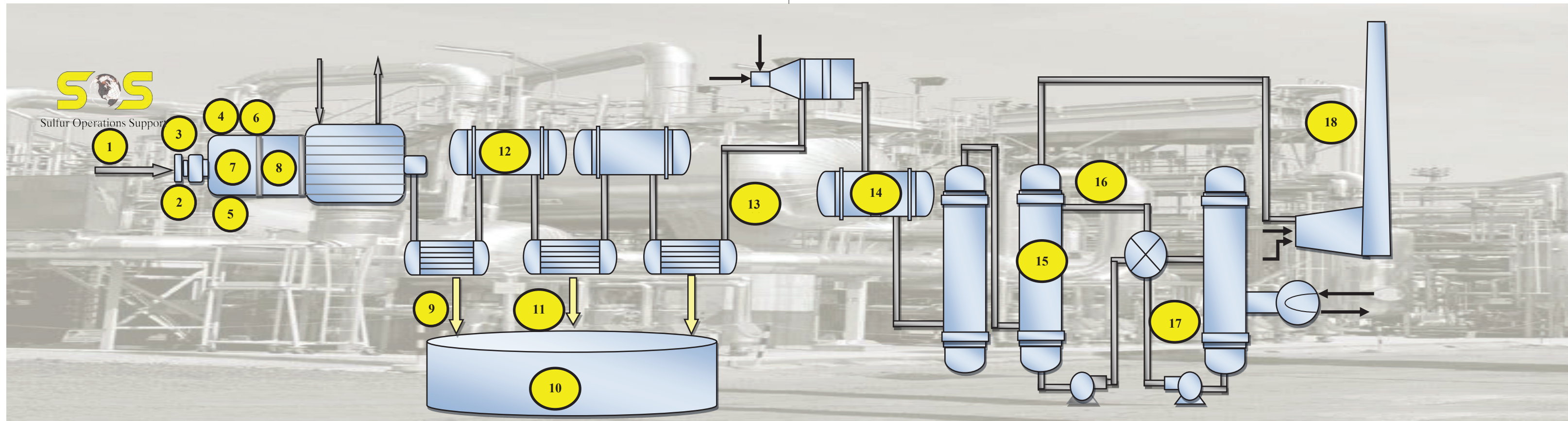
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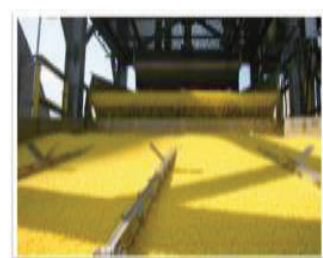
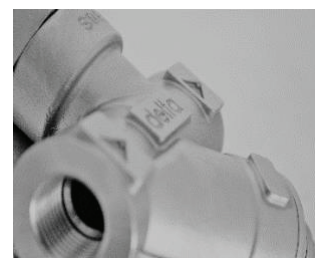
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AIMS is associated with supply, services and technical assistance of equipment and instruments in Sulphur Recovery Units with focus on performance, reliability and safety.

- 1. FEED GAS ANALYZER:** Supply and service of Feed gas analyzers with capability to analyze H₂S, NH₃, THC, H₂O, CO₂ and BTEX components.
- 2. BURNER PACKAGE:** Complete services regarding SRU's Main Burner and RF package, Line & TGT Burners, Incinerators etc. including Supply, Integration, Site Acceptance Test, and Performance Evaluation.
- 3. BURNER MANAGEMENT SYSTEM:** Refurbishment of ignition systems by replacing old manual ignition systems by promoting DUKER/DURAG auto igniter with retractable mechanism. This includes utilizing existing burner, flame scanner, burner controller and modifying PLC or logic.
- 4. FLAME SCANNERS:** UV/IR/VIS scanners plus flame flickering frequency technique and temperature difference technique for critical applications (e.g. Reaction Furnace).
- 5. FLAME TEMPERATURE MONITOR:** Sales and services of proven product lines of LUMASENSE based on Infra rays technique, where conventional measurement fails because of high temperature and presence of corrosive atmosphere.
- 6. TEMPERATURE ELEMENTS:** Complete range of thermocouples, RTD's & Thermowells for high temperature applications.
- 7. VECTOR WALLS:** Mechanically stable Vector wall employs patented Hex wall technology as a stable and reliable foundation for configuring variety of new flow regimes for increased capacity and reduced operational and maintenance cost for medium and large sized furnaces.
- 8. FERRULES:** Pre-engineered ferrules for each installation which are properly sized, accurately molded, and completely wrapped with all required fiber insulation & no castable.



- 9. SULPHUR SEALS:** Reliable Vapor sealing performance in Sulphur Recovery Unit Rundown Lines.
- 10. THERMAL MAINTENANCE SOLUTIONS:** Design, Develop, Implement, Maintain and troubleshoot heating systems for liquid/vapor sulphur lines, Sulphur Tanks, Valves and Pumps.
- 11. SULPHUR PIT ANALYZER:** Supply and maintenance services for analyzing H₂S, SO₂ in Sulphur Pit.
- 12. CLAUS CATALYST:** Supply, Technical assistance Troubleshooting and Pilot plant testing of Claus Alumina and Titania catalyst along with supply of Catalyst bed Support and Topping.
- 13. TAIL GAS ANALYZER:** Capability to analyze H₂S, SO₂, COS, CS₂, Sulphur vapors and Air Demand signal for the Air Control in Reaction Furnace. Designed and mounted directly on process line with sampling facility.
- 14. HYDROGENATION CATALYST:** Offering complete range of Claus Tail Gas Catalyst in presulfided form as well as assistance for onsite sulphiding. We supply conventional and low temperature for hydrolysis and reduction of sulphur compounds.
- 15. FLEXSORB® SE:** Supply, Technical Assistance and Storage Facility of sterically hindered amine proprietary to ExxonMobil to the licensed users.
- 16. FILTRATION SOLUTION:** Customized cartridges filters based on the application and no modification requirement.
- 17. H₂S LEAN AMINE ANALYZER:** Supply, service and successful installation of H₂S in lean amine analyzer in Middle East.
- 18. CONTINUOUS EMISSION MONITORING SYSTEM:** We offer complete range of Emission analysis including CEMs & PEMs with capability to measure SO₂, NO, NO₂, CO, O₂, TRS and Flow.

