

ACTS

ADVANCED CONSTRUCTION
TECHNOLOGY SERVICES

Build on our credentials

Environmental Laboratory





About ACTS

ACTS is a leading third-party engineering firm. It currently operates throughout the Middle East, Africa and India providing Testing, Inspection and Certification services.

ACTS has witnessed a rapid expansion in its service offerings through eight separate, yet complementary divisions such as Consultancy, Geotechnical Engineering, Material Testing, Non-destructive testing (NDT), Environmental Testing and Services, Training & Conferences, Certification, and Technical Standards and Solutions.

ACTS believes in the need for an environmental protection from pollutants in order to have a green and sustainable society, due to the economic development, rising of industrial works, continuous population growth and rapid urbanization at Saudi Arabia and GCC countries.

ACTS Vision

We strive to be one of the best providers in analytical services Worldwide

We always seek to produce the most accurate analytical results attainable in the shortest possible time.

We feel a deep responsibility to our clients, their clients and the communities we serve in common.

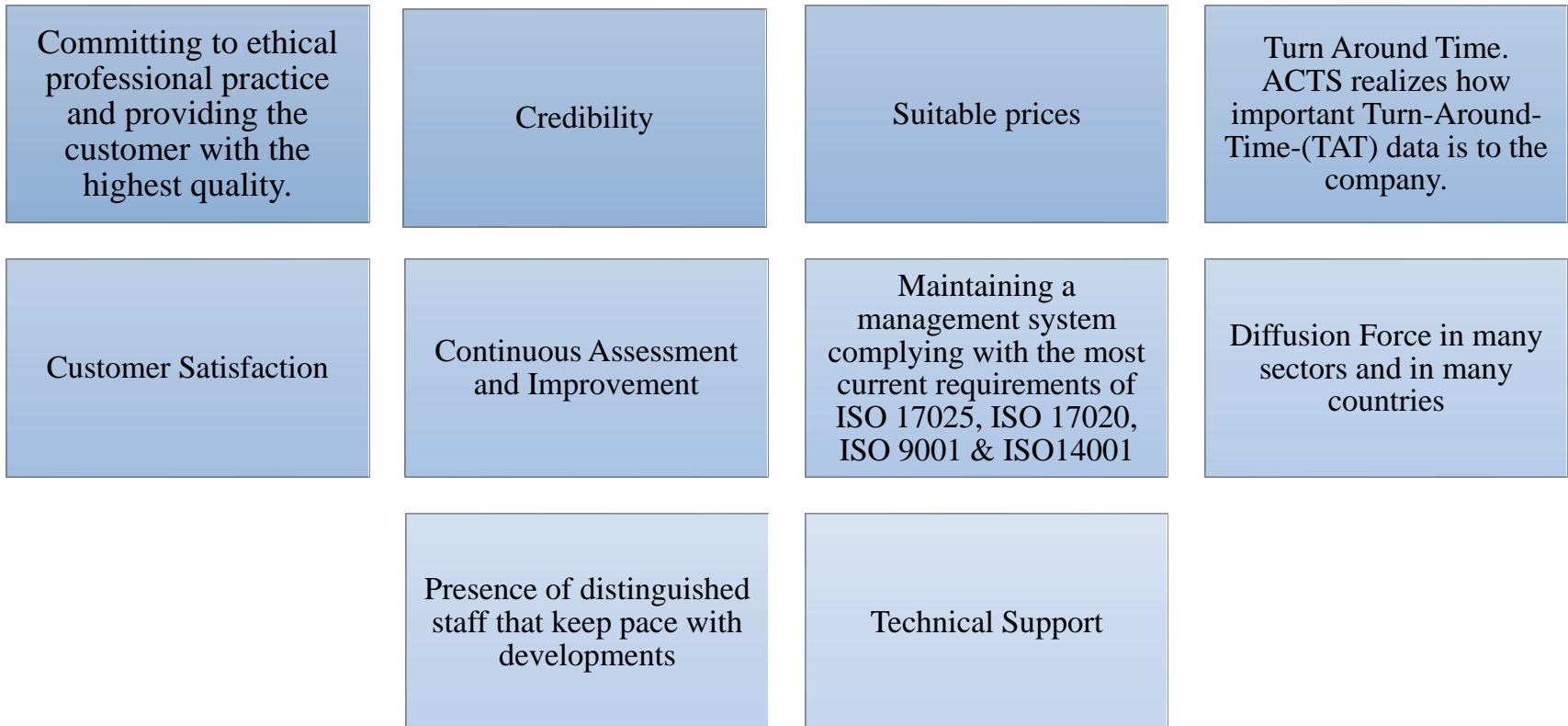
We believe that if our clients are successful, we will be successful, as millions of peoples are assuring to have a hazard-free environment.

We believe in intelligent, capable, and hard-working employees who have a sense of urgency in the things they do.

Hazard-free environment doesn't attained only by routine analysis, a hard-works in consultancy, training and research and developments are valuable.

As a mission “We aspire to protect our environment today for the environment of our children tomorrow”.

ACTS Postulates



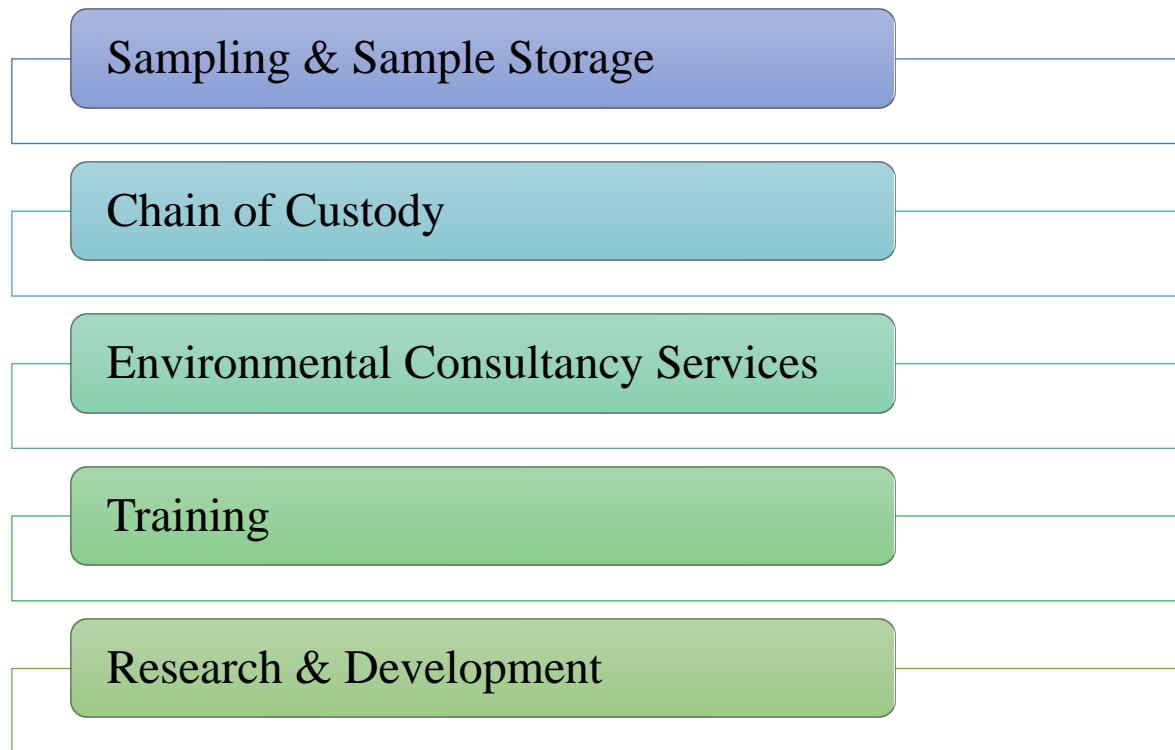
ACTS Environmental Services

➤ Analytical Services:

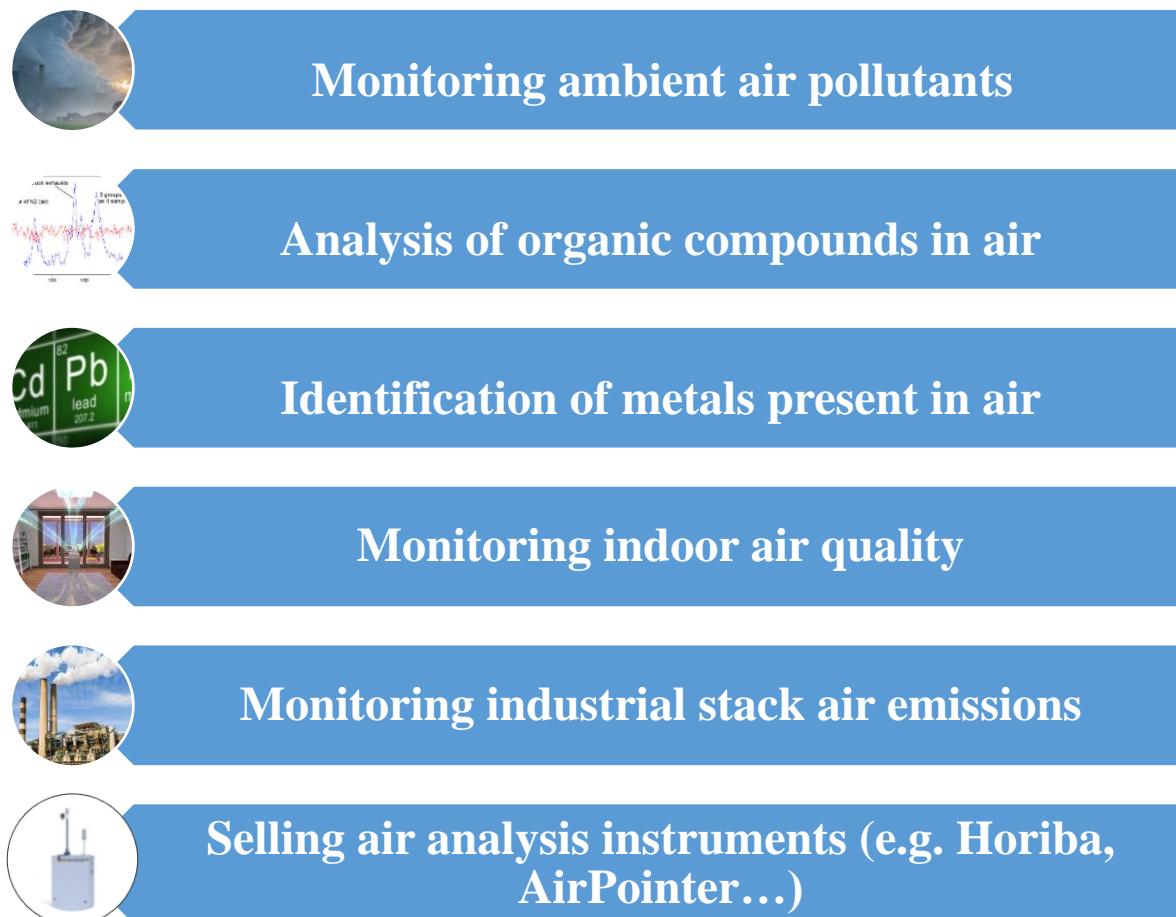
- Air Quality Monitoring
- Noise Level Monitoring
- Soil, Sediment & Sludge Analysis
- Water Analysis
- Construction Material Analysis
- Paint analysis



➤ Support Services:



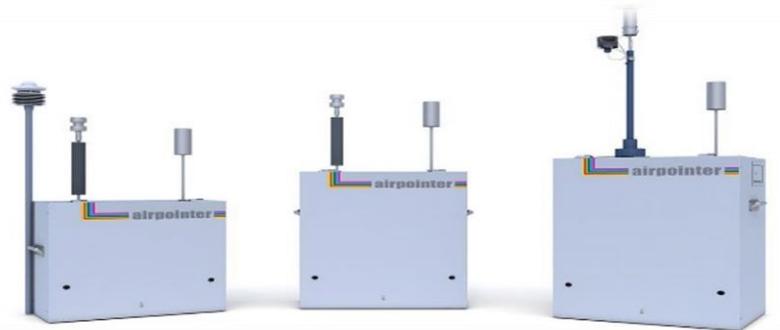
ACTS Air Analysis Services



Air Pollutants Analysis

➤ Reference Stations (EPA Approved)

ACTS performs the Air Quality monitoring using air analyzers in accordance with USEPA reference, European agencies or equivalent methods to determine the real time concentration of the pollutants.



In addition, it sells air quality monitoring stations (AQMS).
ACTS is the distributor of Horiba and AirPointer AQMS.

➤ Compact Instruments (Sensory Analysis)

Compact instruments system balances the need for lower cost and distributed air quality measurement, with the need for data that is robust, reliable and defensible.

Compact instruments are used as an indication machine of the air pollutants (especially during construction step), unlike the previous stations that are EPA approved and considered reference stations.



Indoor Air Quality Monitoring



ACTS accomplishes the Indoor Air Quality monitoring using various instruments. It performs the monitoring of several indoor parameters, such as dust, CO, VOCs, Formaldehyde and others.

Stack Emission Monitoring

ACTS measures the emission of industrial waste or pollutants emitted into the atmosphere (such as NO_2 , CO_2 ,...).



Organic Compounds Analysis in Air



ACTS performs the organic compounds analysis in Air using thermal desorber coupled to gas chromatography with flame ionization detector according to the USEPA methods such as TO-14.

Metals Analysis in Air

ACTS performs the metals analysis in Air using inductively coupled plasma system with mass spectrometry detector according to the USEPA and EN methods, such as EN 14385:2004-05, EN 14902 : 2005 and ISO 15202-3:2004.



Noise Level Monitoring

ACTS provide noise monitoring using portable devices

The parameters that measured: LA_{eq10} , LA_{eq} , LA_{min} , LA_{max}



Soil, Sediment & Sludge Analysis

We offer a wide range of analysis parameters in soil, sediment and sludge's using advanced and new analytical instruments and following USEPA, NCEC, RCJY and other governmental regulations.

ACTS provides the following analytical services in soil, sediment and sludge:

- Physical Tests
- Wet Chemistry Tests
- Metals Analysis
- BTEX Analysis
- Petroleum Hydrocarbons Analysis
- Polycyclic Aromatic Hydrocarbons Analysis
- Halogen Aliphatic Compounds Analysis
- Phenols Analysis
- Pesticides tests
- Polychlorinated Biphenyl tests
- Microbiology tests
- Other organic tests



Water Analysis

ACTS delivers the analysis services for all kinds of water (e.g. Ground water, Seawater, Wastewater, Drinking water) using different techniques and analytical instruments and following USEPA, NCEC, RCJY and other governmental regulations.

ACTS provides the following analytical services in water:

- Physical Tests
- Wet Chemistry Tests
- Metals Analysis
- BTEX Analysis
- Petroleum Hydrocarbons Analysis
- Polycyclic Aromatic Hydrocarbons Analysis
- Halogen Aliphatic Compounds Analysis
- Phenols Analysis
- Pesticides tests
- Polychlorinated Biphenyl tests
- Microbiology tests
- Other organic tests

Construction Materials & Paint Analysis

Completing the ACTS services in material testing, ACTS Environmental Lab afford the chemical analysis services for construction materials.

The Construction Material Analysis includes:

- Concrete Analysis
- Soil Analysis
- Aggregates Analysis
- Steel Analysis
- Granite/ Marble tile Analysis
- Ceramic and Porcelain tile Analysis
- Cement Analysis
- Fly Ash Analysis
- Micro silica Analysis
- GGBFS Analysis
- Admixture Analysis
- Water for use in concrete Analysis
- Paint Analysis



Environmental Consultancy Services

ACTS bestows the following consultancy services to complement its testing and analytical services:

- Environmental Impact Assessments
- Environmental Site Assessments
- Environmental Audits
- Environmental Management Plan
- Strategic Environmental Assessment

Training Services

ACTS presents a training courses in analytical instruments, sample preparation, sampling, development and validation of analytical method, solving analysis problems, environmental pollutants and others.

ACTS also provides the ASTM Environmental Site Assessment training course in the Middle East.



Research & Development Services

Market trends is growing rapidly driven by:

- The economic development, the continuous population growth, the rapid urbanization, and the increasing demand for water and energy.
- Sustainability.
- Rising use of industrial works.
- 2030 Vision.

From here, there is a need for a continuous research and development in order to keep pace with development and meet the needs of the client.



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