

Environmental Scope



Be confident about the reliability and integrity of your products, assets and systems.

Technotex

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About company

Inaugurated in 2015, Technotex is registered as an independent commercial auditing company to facilitate a better world by helping the organization to work efficiently, delivering quality services, and trade with integrity and reliability. We enable a better world through sustainable global reporting where you work and live are safe and secure, and the products you use or consume are safe.

Technotex is intended to ensure the quality of services within the framework through certified professional experts in socio-economic and Environment aspect.

Technotex empower individual decision-makers with a minimum of administrative oversight. We bring out the facts through the discerning eyes of professional experts to act and continuously improve.

We also maintain partnerships with more than one international organization to deliver quality services to our esteemed business.

The governance of the company carries out the operation worldwide, keeping in mind the following..

Vision

Technotex wish to become the most preferred, trustworthy, best quality, and most economical service provider with the utmost customer satisfaction.

Mission

Technotex aims to become the global leader by providing integral management systems certification, social compliance, environmental compliance, product certification, and global sustainability reporting through...

- ✓ The highest quality of services and the utmost customer satisfaction.
- ✓ Work in close partnership with world-class brands, retailers, and vendors.
- ✓ Exercises transparency, accountability, and independence to ensure consistency.
- ✓ Obtain recognition from national and international organizations to ensure the quality of services in a prescribed manner

Stack air emissions monitoring

The number of pollutants released into the air from the stack and duct of the pollutant shall be quantified as follows:

- ✓ Existing conformity monitoring or future emission plans.
- ✓ Obtain emission data to specify the design of control/maintenance of the equipment.
- ✓ Quantified emitted data is essential to use for modeling purposes.
- ✓ Quantified emissions require an understanding of the existing effectiveness of the installed equipment.
- ✓ Controlling the financial losses involved with the product losses.
- ✓ Calibrate continuous monitoring.



Stack air emission assessment

Technotex is able to monitor emissions taking into consideration the type, size and location anywhere in the world. Technotex uses sophisticated equipment to monitor all regulated pollutants.

Emission monitoring range under assessed-

- ✓ CO : 0 - 10,000 ppm
- ✓ NO : 0 – 4000 ppm
- ✓ NO₂ : 0 – 500 ppm
- ✓ SO₂ : 0 – 5000 ppm
- ✓ O₂ : 0 -25 vol %
- ✓ Fuel Temperature: (-40 – +1200) °C

Technotex measures and calculates with particular care and makes an inventory of the pollutants released with the data of the last twelve months.

In order to you can be sure to examine carefully to control and minimize the release of these substances.

Ambient air monitoring

Play the important role in pollution and change the ambient air composition by power generation, transportation, industrials and domestic sources. Air pollution can seriously impact human health, causing respiratory problems, cardiac diseases, etc.

Ambient air monitoring is the levels of pollutants that measure the concentration of the main pollutants in the surrounding outdoor air. Technotex provides ambient air sampling and analysis services to provide quality data to make informed decisions.

Ambient air monitoring services include but are not limited to-

- ✓ Inactive monitoring using diffusive sampling.
- ✓ Performed to determine dust deposition rates at multiple points on the fence line of a facility.
- ✓ The results can provide a general indication of average dust concentrations over the period.



Technotex is capable of monitoring the ambient air taking into account the type, size and location around the globe. Technotex uses sophisticated equipment to monitor all regulated pollutants.

Concentrations monitoring range under assessed-

- ✓ CO : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ CO₂ : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ VOC : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ PM2.5 : 0 – 999.9 $\mu\text{g}/\text{m}^3$
- ✓ PM10 : 0 – 999.9 $\mu\text{g}/\text{m}^3$
- ✓ Fuel Temperature: (0 – 70) °C
- ✓ Humidity: 0-100 %
- ✓ Ozone : 0-500 $\mu\text{g}/\text{m}^3$
- ✓ NO_x : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ SO_x : 0 – 1000 $\mu\text{g}/\text{m}^3$

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Indoor air monitoring

Indoor air quality monitoring protects indoor environments against falsification and reduces worker exposure.

Generally, a risk-free environment, such as residences, commercial buildings, offices, educational facilities and terminals, is now recognized as a potentially contaminated environment.

When physical, chemical and biological pollutants are present in the indoor environment, pollution is associated with certain illnesses. Environmental and health requirements are increasingly important to ensure comfort, health and hygiene.

Technotex experts will help you access accurate and up-to-date information to maintain indoor air quality problems. This will protect you and your employees and confirm that the applicable regulations are being followed.

Indoor air monitoring services include but are not limited to-

- ✓ Monitoring indoor air quality
- ✓ A general indication of average pollution concentration over a period.
- ✓ Inspection and management of environmentally and hygienically hazardous areas in whole premises.

Technotex is capable of monitoring the indoor air taking into account the type, size and location around the globe. Technotex uses sophisticated equipment to monitor all regulated pollutants.

Air particle monitoring range under assessed-



- ✓ CO : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ CO₂ : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ VOC : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ PM2.5 : 0 – 999.9 $\mu\text{g}/\text{m}^3$
- ✓ PM10 : 0 – 999.9 $\mu\text{g}/\text{m}^3$
- ✓ Fuel Temperature: 0 – 70 °C
- ✓ Humidity: 0-100 %
- ✓ Ozone : 0-500 $\mu\text{g}/\text{m}^3$
- ✓ NO_x : 0 – 1000 $\mu\text{g}/\text{m}^3$
- ✓ SO_x : 0 – 1000 $\mu\text{g}/\text{m}^3$

The indoor air quality assessment will improve the overall well-being of your staff, whether you run an establishment.

We have the resources in place to help your business profit from the benefits of pro-actively managing air quality. These include reduced absenteeism, increased productivity, reduced energy costs, and legislative compliance.

Noise monitoring services

Keep your employees in good health and safety with Technotex's noise monitoring services. Today, we're going to focus on why noise risk assessment services are important and how they may benefit your workplace, but not limited to:

❖ Protection for employee

- ✓ You can protect your employee.
- ✓ Enabling you to take the necessary remedial measures to make the workplace safe for its employees.

❖ Protections for the company

- ✓ As an owner, you are legally responsible for protecting the professional image of your business by ensuring that you comply with the law.
- ✓ The company is expected to carry out technical and organizational measures to reduce noise levels.

Improve workplace communication

- ✓ By reducing the noise level in the workplace, all employees of the company are able to benefit from better communication. Workers will be able to communicate better with one another, which can also increase the level of safety, thereby reducing the risk of poor communication.

Improved wellbeing of workers

- ✓ Apart from improving workers' hearing health and safety, the impact of excessive noise irritation should not be underestimated.
- ✓ It can put staff under severe mental as well as physical stress, so that improving noise levels can also contribute to improving the overall wellbeing of workers.

Increase Productivity

- ✓ If employees are happier and can communicate better with their colleagues, it will also benefit the business as it will positively impact employee productivity.
- ✓ Taking the necessary measures to reduce noise will allow people to concentrate much better on their tasks.

Decibels level monitoring range under assessed-



- ✓ **Measuring Range:** (30 – 130) dBA (A & C)
- ✓ **Resolution:** 0.1dBA
- ✓ **Accuracy:** ± 1.5 dBA
- ✓ **Frequency:** 31.5HZ to 8KHZ

Advice and innovative ideas for noise reduction by Technotex sound level measurement services. A maintenance plan will help you make sure that you are complying with the noise regulations in your area.

Light level measurement

Lighting is a very important thing for the health and safety of everyone in any workplace. It is easy to see a hazard and easy to avoid.

Bad lighting conditions or glare can cause eye strain and headaches and also increase the risk of persons sustaining an injury from colliding with objects or from slips, trips or falls.

Particular consideration needs to be given to the provision of lighting which enables people to work, use facilities and exercise around the work place without risk to their safety or wellbeing, particularly after dark.

A luminosity level evaluation is performed by a highly qualified and experienced inspector using the sophisticated monitoring device:

- ✓ Identify lighting (lux) levels throughout the workplace
- ✓ Identify areas where lighting levels or reflections are perceived to be problematic.
- ✓ Determine what action needs to be taken to eliminate the risks.

Range of the monitoring device under assessed-

- ✓ **Measuring Range:** (0.1 – 200,000) Lux
- ✓ **Resolution** : 0.1 Lux
- ✓ **Accuracy** : $\pm 3\%$
- ✓ **Repeatability** : $\pm 2\%$

Available natural light should be utilized where possible, or artificial light where this is not reasonably practicable.



Temperature and Humidity

Workplace temperature and humidity are important factors for employees' comfort, except when hazardous materials may be sensitive to either.

Temperature measures heat or cold relative to a prescribed standard, often expressed in degrees Celsius or Fahrenheit. Humidity refers to the amount of water vapor or humidity in the air. In the context of occupational health and safety, adequate levels of temperature and humidity must be maintained to maintain the health, comfort, and productivity of employees.

When setting and maintaining these aspects of the workplace environment, employers should consider the individual needs and preferences of the employees.

In some instances, bad temperature and humidity affect employee health as below are not limit to:

- ✓ Poor temperature and humidity levels can harm employee health.
- ✓ High or low humidity levels can lead to skin or respiratory conditions.
- ✓ Employees who are physically uncomfortable due to high or low temperatures may have difficulty concentrating or maintaining productivity.
- ✓ Temperature and humidity can also affect the air quality within a workspace.

Ideally, the temperature in a workplace will achieve thermal comfort for most employees by providing heating or cooling within a set temperature range.

Humidity should be maintained in a range of 40 - 70 percent to avoid dry or oversaturated conditions.

Decibels level monitoring range under assessed-

- ✓ **Measuring Range:** (-50.0 to 1000.0) °C
- ✓ **Resolution:** 0.10 up to 2000 & 10 over 2000;
- ✓ **Accuracy:** ± 0.5 °C
- ✓ **Repeatability:** (10~90) % RH operating, < 80% RH.

Employers should consider desiring to make a comfortable work environment for employees exhaust and ventilation need to be properly arranged at the workplace to make a comfortable work environment.



Environmental Assessment



Technotex provides Environmental and industrial hygiene inspection services to its customers with cost-effective solutions that ensure compliance with regulations and help reduce liabilities.

Humans have a moral obligation to protect the environment and promote the sustainable development of the planet for future generations.

Environmental degradation is detrimental and is jeopardizing the long-term health and security of animals, plants, and humans.

The importance of environmental impact assessment is to promote a safe environment, sound, and sustainable development, by measuring the environmental impact likely to be caused by projects.

Technotex provides the following environmental inspection services which as below but are not limit to:

❖ Environmental conformity Assessment

- ✓ The environmental assessment focuses on legal requirements (when existing) and environmental safety rules and good practices.
- ✓ The assessment gives a clear picture of the environmental conformity level of the facility you are working with.

❖ Strategic Environmental Assessment

❖ Environmental Assessment & Monitoring

❖ Environmental Impact Assessment

❖ Environmental Management Plan

❖ Environmental due diligence

❖ Environmental Risk Assessment

❖ Energy efficiency Assessment / Plan

❖ Ozone-Depleting Substances

❖ Ozone Depleting Substances (ODS)

- ✓ ODS are classified into two groups as per the “Clean Air Act” and Class-I ODS is typically divided into eight groups.

❖ Class-I (such as chlorofluorocarbons)

❖ Class-2 (such as hydrochlorofluorocarbons)

The benefits of having the assessment are numerous. The results can help improve the company’s efficiency by helping management have a better understanding of the process and local regulatory requirements.

GHG Assessment and Inventory

Greenhouse gases trap heat and make the planet warmer. Human activities are responsible for almost all of the increase in greenhouse gases in the atmosphere.

The primary source of greenhouse gas emissions from human activities is burning fossil fuels for electricity, heat, and transportation but are not limit to:

- ❖ Electricity
- ❖ Industry
- ❖ Agriculture
- ❖ Commercial / Residential
- ❖ Land Use
- ❖ Transportation



Greenhouse Gas measures and inventories are important as we provide valuable information describing how much GHG emissions are produced by your operations.

An inventory helps you understand your environmental impact, and develop an emissions reduction plan.

Sustainability Reporting

Technotex is now ready to perform reporting on sustainable development within the business across a spectrum of regulated industries, referring to the Global Sustainable Development Standards.





Sustainability reporting will bring out the best practices on how organizations can communicate and demonstrate the impacts to achieve the ultimate goals.

We call attention by the discerning eye to the expectation of the requirement in planning and strategies. So our efforts will support customers in planning with minimum investment, on the contrary, maximum outcomes.

By a thorough understanding of the socioeconomic, environmental, and management of a project, then specify the best solutions for global sustainable development reporting.

Our culture of commitment and service to our customers leads to sustainable, measurable outcomes that reduce accountability.

Name of some External Interested Parties

		
Northern Tsrifa Industries Ltd	Charu Ceramic	Great Wall Ceramic
		
Ruppur Nuclear Power Plant	Sawftex Ltd	Gonoshasthaya pharmaceuticals
		
Goldstar Group	SIM Group	Energypac Fashions

Name of some External Interested Parties

		
Luna constration & Engineering	Vintage Denim Studio Ltd	Jeans Plus Ltd
		
Hams Garments	Hamko Leather Ltd.	Tongwei Feed Mill BD Limited
		
Biogen Phamaciticul Ltd	AR Jeans producer & FGS Denim	Concord Garments Ltd
		
Keya Cosmefic	Quazi Enterprice	Natural Denims Ltd

Picture of some measuring/monitoring device

			
Testo 340	Indoor Air Monitor-1	Carbon Monoxide Meter	Digital-Thermo-Hygrometer
			
Digital Anemometer	Digital Tachometer	Digital Insulation Tester	GAS Detector
			
Indoor Air Monitor-2	Infra-red thermometer	Vibration Monitoring	Loop Calibrator

Picture of some measuring/monitoring device

			
Noise meter	Outdoor air monitor	Lux Meter	Moisture meter
			
Pressure Gauge	Vernier Caliper	Digital-Millimeter	Clam Meter

➡ END ⬅