



TECHNICAL INSPECTION SERVICES
ELECTROMECHANICAL SERVICES

Company **Profile**

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About Us

Technical Inspection Services (TIS) is a progressive company dedicated to serving Qatar Construction Industry by providing innovative products and solutions that cater to the evolving needs of this dynamic sector.

TIS is proud to hold certifications in ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, and ISO/IEC 17020:2012, solidifying our reputation as a quality-driven organization. Over the years, we have been the trusted partner for Qatar's prominent industries, contractors, and traders, contributing to their success through our comprehensive range of services and products.

At TIS, we take pride in offering high-quality water storage tanks, designed for various applications, including domestic, fire-fighting, waste/sewage water, irrigation purposes etc.

Our expertise extends to providing Third-Party Inspection and Certification services, covering a broad spectrum of equipment categories and operator assessments, ensuring safety and operational efficiency.

TIS is certified by the Qatar Civil Defense Department (QCDD), reflecting our capability to offer Annual Maintenance Services for Fire Fighting Systems and all types of AC Services.

At TIS, we believe in exceeding expectations and fostering a culture of continuous improvement. Our dedication to quality, safety, and customer satisfaction, drives us to be a leading force in the Qatar Construction Industry. We look forward to partnering with you and providing Innovative solutions that contribute to your success.

Mission

To deliver exceptional services, use business to inspire and execute the most exemplary engineering solutions to our clients.

Vision

To establish our reputation as the primary preference among all clients and to operate as a consortium of companies united under a single entity.

Certifications

Integrated Management System



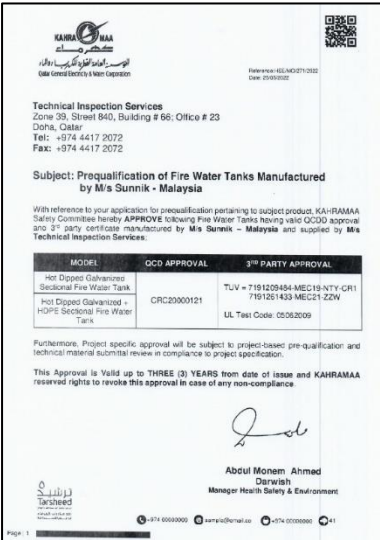
ISO/IEC 17020:2012 Certificate



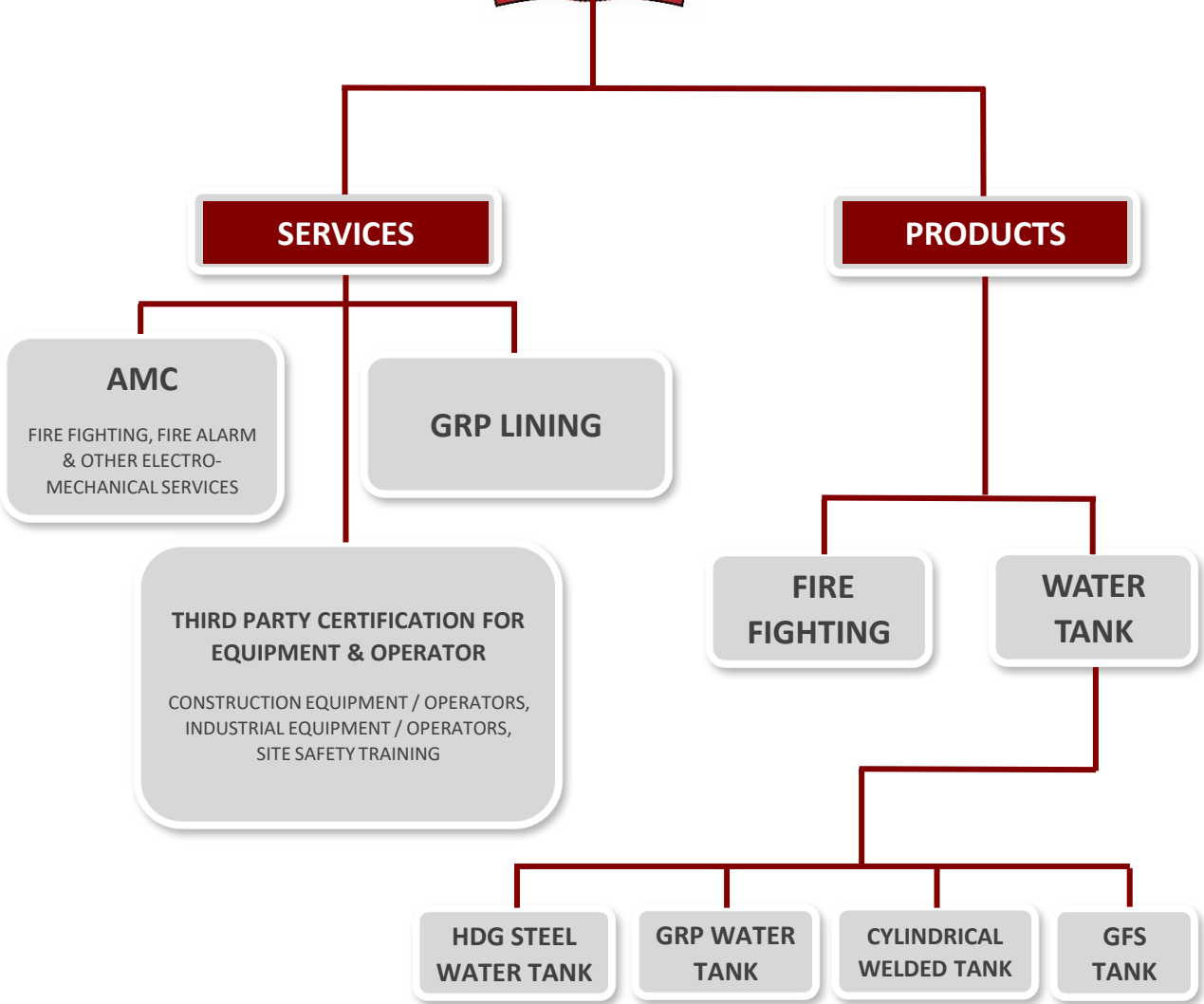
Qatar Civil Defence Certification (QCDD) for Fire Fighting and Fire Alarm



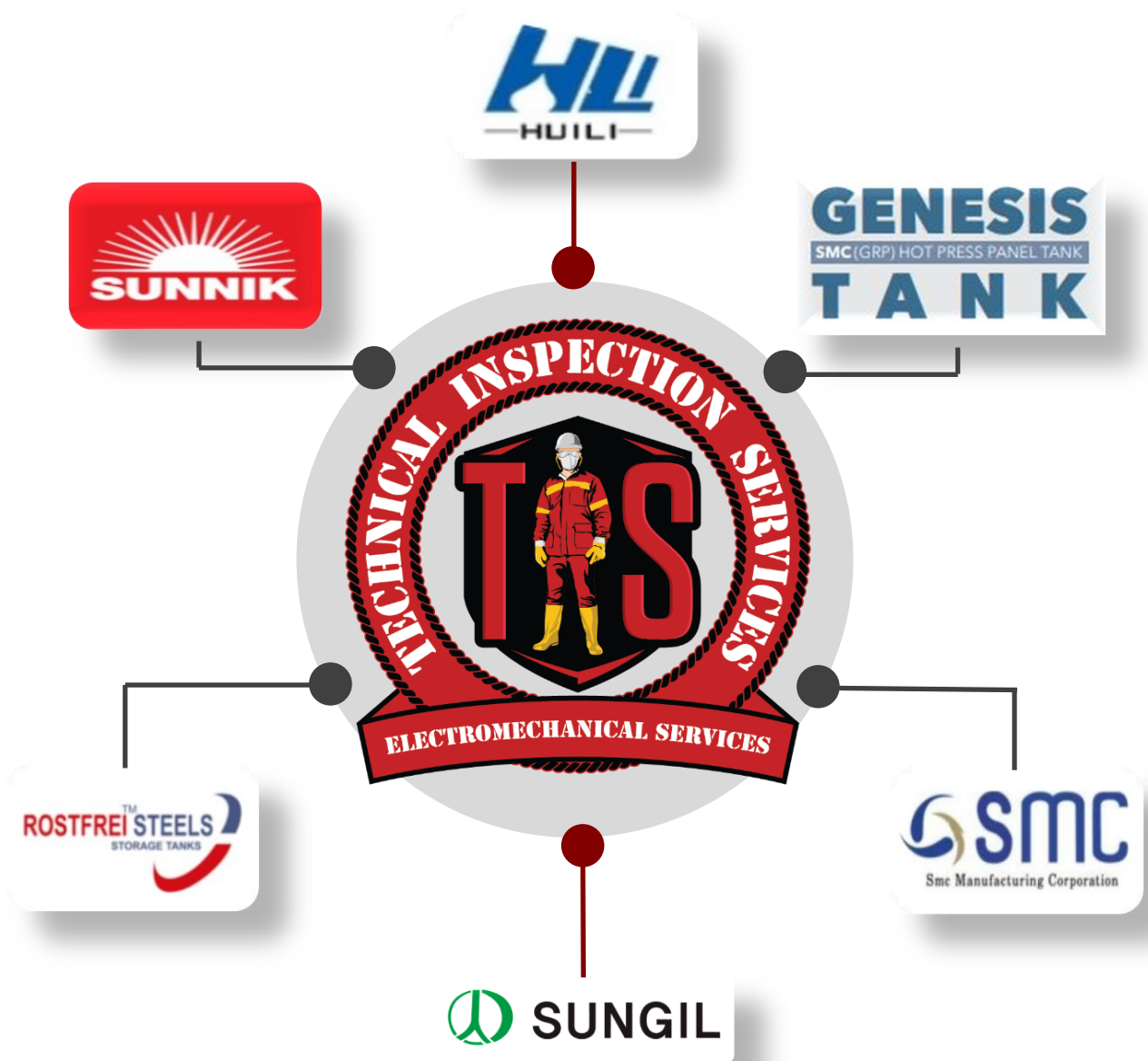
KAHRAMAA (KM) Approval for Fire Water Tank Installation



TIS BUSINESS LINES



BUSINESS PARTNERS



SUPPLY AND INSTALLATION OF WATER TANK

TIS offers a comprehensive solution for your water storage requirements. Offering a variety of water tanks that are utilized globally, whether for industrial, commercial, or residential purposes. These tanks can be tailored to meet the specific preferences of our clients or adapted to suit site-specific conditions. Furthermore, all of the water tanks we provide have received approval from Qatar Civil Defense and other relevant local authorities with jurisdiction.



1. Hot Dipped Galvanized (HDG) Steel Sectional Water Tank

- HDG Steel Water Tank is a multipurpose large water container, commonly utilized for purposes such as firefighting and industrial production, and can be installed either outdoors or indoors.
- A protective zinc coating on the steel panels ensures corrosion and abrasion resistance, effectively rendering the tank maintenance-free for an extended duration.
- HDG Water Tank panels are created through hydraulic pressing and are available in various sizes (0.5m x 0.5m, 0.5m x 1.0m, 1.0m x 1.0m, and 1.22m x 1.22m), facilitating the provision of a wide range of tank sizes.
- Depending on project requirements, the tank can be designed in either a "U" or "L" shape and can even be subdivided into two compartments.
- The tanks are securely bolted together with internal support structures, ensuring exceptional rigidity of the steel tank.



Advantages:

-Projects exposed to severe environmental conditions and atmospheric factors are susceptible to corrosion. HDG Water Tank mitigates these issues by employing a zinc coating that acts as a protective barrier, effectively preventing corrosion and rust.

-The robust steel structure has undergone rigorous testing for durability, and the zinc coating enhances its resistance to abrasion, ensuring the longevity of the water tank.

-It is well-suited for accommodating large capacities and offers flexibility in installation, whether in a horizontal or vertical orientation.

-Hot Dipped Galvanized steel panel ensures that the tank remains maintenance-free for well over a decade.

2. Glass Reinforced Plastic (GRP) Sectional Water Tank

- It is now recognized as the industry-standard for water storage owing to its lightweight characteristics, resilience, and immunity to corrosion and bacterial contamination.
- Our panels are available in various sizes, including 0.5m x 0.5m, 0.5m x 1.0m, and 1.0m x 1.0m, allowing us to offer a wide range of tank sizes to meet specific project demands.
- GRP Panels exhibit remarkable resistance to adverse weather conditions and do not deteriorate over time.

Advantages:

- ✓ The panel is clean and germ-free which enhances its resistance to corrosion.
- ✓ The inclusion of a food-grade sealing rubber makes the panel leak free.
- ✓ It demonstrates resilience in extreme weather conditions, spanning both hot and cold climates.
- ✓ Despite its lightweight design, it exhibits exceptional durability and robustness, capable of supporting substantial loads.
- ✓ The panel is meticulously manufactured using premium materials, upholding the highest quality standards.
- ✓ Easy to build and long lasting.
- ✓ A range of sizes is available to accommodate specific customer requirements.
- ✓ GRP/FRP Panels can be supplied with or without insulation, tailored to the client's budget or project specifications.



3. Cylindrical Welded Tank

- Cylindrical welded tank is a robust and versatile storage container designed for safely holding a wide range of liquids and gases.
- These tanks are typically constructed by welding together cylindrical carbon steel, or other metal sections, creating a seamless and durable structure that can withstand both internal pressure and external environmental factors.
- Comes in various sizes and configurations, making them suitable for a multitude of industrial, commercial, and residential applications.

Advantages:

- ✓ Exceptional structural integrity
- ✓ Can be customized to meet the specific needs
- ✓ Cylindrical shape of these tanks optimizes space utilization
- ✓ Less prone to leaks
- ✓ Low-maintenance
- ✓ Cost-effective solution for long-term storage needs



4. Glass Fused to Steel Tank

- The reason of fusing glass with steel is to enhance the properties of latter. Single Steel is vulnerable to environmental conditions; hence the fusion is required.
- After fusing the steel with glass, the strength increases, the acceptable bracket of PH value for alkaline solutions widens, and the resistance of abrasion inflates.
- Can be used to store fluid or loose material.
- The tanks are also a fundamental building element of environmental technological facilities such as waste water treatment, and Biogas Stations.

Advantages:

- ✓ Glass-Fused tanks serve more than 40 years
- ✓ Abrasion and chemical resistance is quite high
- ✓ Construction methodology is very quick and safe
- ✓ Pre-built tank is easily relocatable
- ✓ Ecologically safe



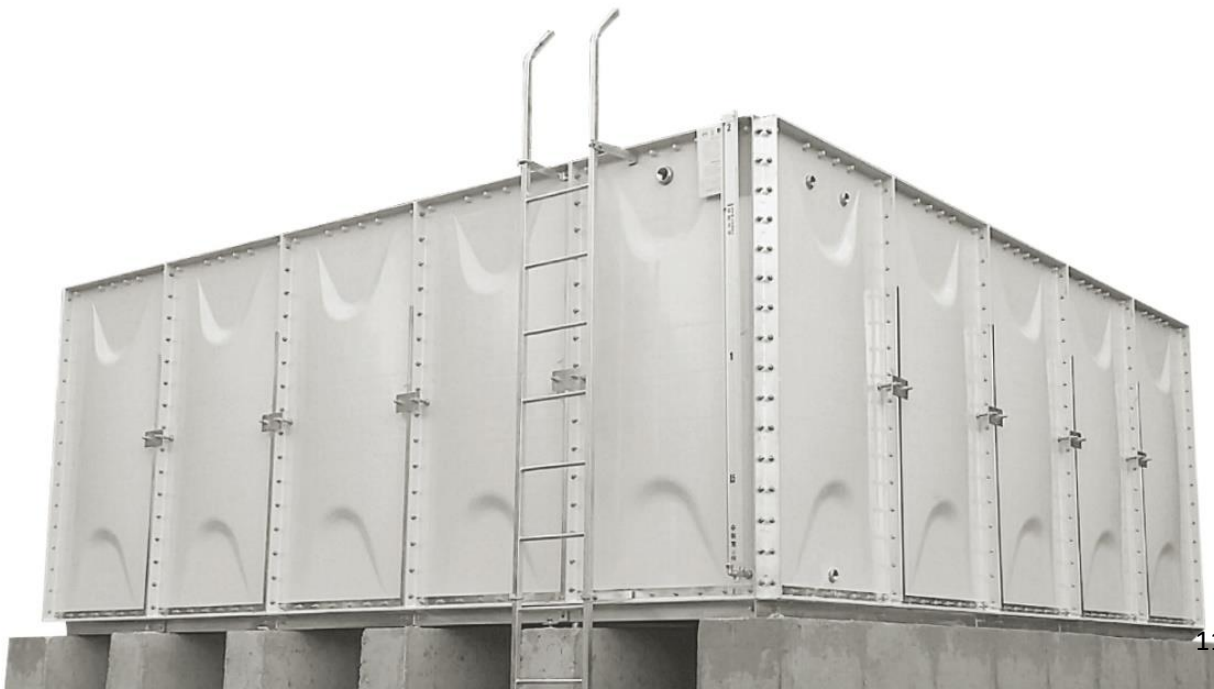
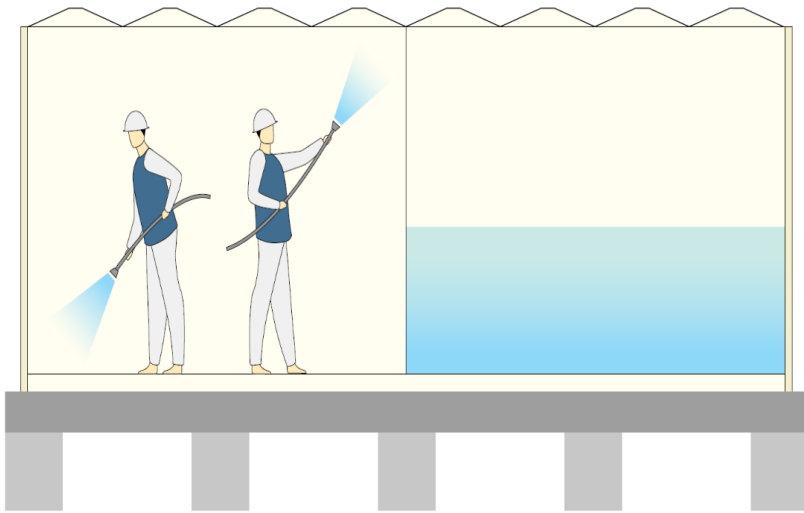
Maintenance and Cleaning of Water Tank



TIS is dedicated to providing specialized services focused on the maintenance and cleaning of water tanks. With a strong emphasis on ensuring the optimal functioning and hygiene of these vital storage systems, we offer comprehensive solutions tailored to meet the unique requirements of each client.

Our expertise encompasses various types of water tanks, and we employ industry-best practices to enhance their longevity and purity.

By entrusting us with your water tank maintenance and cleaning needs, you can rest assured that you are investing in the reliability and safety of your water storage infrastructure.



GRP LINING

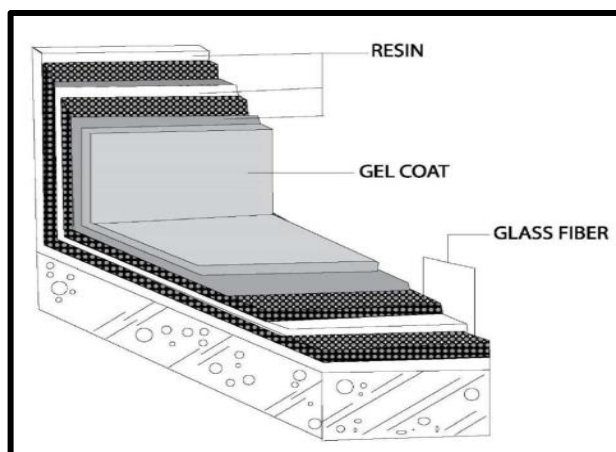
Our expert team applies cutting-edge techniques to install GRP linings for various industrial applications. GRP lining provides superior corrosion resistance and durability, making it an ideal choice for protecting surfaces in challenging environments.

KEY FEATURES

- Extending the life cycle of the existing tanks beyond their conventional life by installing a 'tank within a tank'.
- Cost will be significantly lower than that of installing a new tank.
- Completely and seamlessly seal the cracks, leaks and flaking materials.
- Providing excellent resistance to most aggressive chemicals and is ideal for wastewater treatment facilities.
- Custom molded and experienced craftsmanship is highly offered to keep the integrity and life of the tank.

MATERIALS OF CONSTRUCTION

- Resin
- Fiberglass - Chopped Strand Mat
- Catalyst
- Gelcoat
- Thickness as per requirement and QCS 2014 Standard



FIRE FIGHTING



We are a trusted name in the supply of **UL Listed and FM approved fire-fighting materials**, specializing in meeting the diverse needs of fire protection systems across a wide range of industries.

Our comprehensive product range includes essential components such as **pressure switches, water flow switches, and various fire protection valves, including butterfly valves, check valves, gate valves, and more.**

These products hold **QCDD approval**, reflecting our firm commitment to delivering top-quality materials that meet the regulatory standards.

The background image shows two construction workers from the chest down. They are wearing light-colored long-sleeved shirts and high-visibility yellow safety vests. The worker on the left is holding a large roll of white blueprints. The worker on the right is holding a bright yellow hard hat. In the background, there are several tall construction cranes and a lattice tower against a clear blue sky. The overall scene is a construction site.

Third Party Inspection & Certification Services

Technical Inspection Services (TIS) specializes in delivering Inspection and Certification Services. We hold accreditation as an inspection body, and we proudly maintain ISO 17020:2012 certification. Our team of certified Inspection Engineers possesses extensive experience, ensuring strict adherence to all relevant codes and standards.

In the realm of modern construction, construction equipment plays a pivotal role, particularly in infrastructure projects. It is imperative to ensure the optimal operational condition of this equipment and the competence of their operators. At TIS, we have prioritized this aspect, recognizing its critical importance.

TIS underwent a thorough audit process that included pre-audit procedures, initial assessments, and an in-depth review of our management system documentation. This comprehensive evaluation affirmed the consistency of our policies, practices, and procedures in terms of quality, independence, and conformity, and it highlighted our proficiency in both the products we inspect and the services we provide.

Services Offered:



**THIRD PARTY INSPECTION
& CERTIFICATIONS**



**OPERATOR ASSESSMENT
& CERTIFICATIONS**



**TESTING &
CERTIFICATIONS**

We certify different types of Lifting Equipment & Gears based on **QP Standards** in addition to British Standards – *Lifting Operations and Lifting Equipment Regulations (LOLER)* and *Provision and Use of Work Equipment Regulations (PUWER)*.

Lifting Equipment

Tower Crane
Mobile Crane
Monorail Crane
Underhung Crane
Side Boom Crane
Slewing Jib Crane

Portal Crane
Gantry Crane
Electric Overhead Crane
Mobile Elevating Work Platform
Mast Climbing Platform

Materials and Passenger Construction Hoist
Forklift
Telehandler Forklift
Self-Propelled Variable Reach Truck
Mobile Elevating Cradle Building-Maintenance Unit

Lifting Accessories & Mechanical Equipment

Chain Blocks
Snatch Blocks
Lever Hoist
Manual Geared Trolley
Winch
Hand Operated Winch
Chain Sling
Wire Rope Sling
Webbing Sling
Hoist Ring

Swivel Hook
Frame Skid for Transport
Cylinder Racks & Tool Box
Eye Bolts and Eye Nuts
Rigging Screw and Buckle
Bundle Puller (Lifting Points)
Offshore Container
Shackles
Wire Rope
Plate Clamp

Beam Clamp
Magnetic Lifting Devices
Frames, Bar and Vacuum Lifting
Air Casters
Vehicle Lift
Mobile and Movable Lift
Jack Rollers
Hand Operated Pallet Truck
Generators
Air Compressors
All kinds of Personal Protective-Equipment Against Fall

Earth Moving Equipment

Backhoe Loader
Skid Loader
Wheel Loader
Excavator
Bulldozer

Grader
Compactor
Trailer
Concrete Mixer
Trailer Truck

Low Bed Trailer Truck
Drilling Rig
Vibrator
Rammers

OPERATOR ASSESSMENT & CERTIFICATIONS

Lifting Equipment Operator

Fork Lift Operator
Mobile Crane Operator
Vacuum Lifter Operator
Hoist Operator
Telescopic Boom Manlift Operator
Cradle Operator
Boom Truck Operator
Scissor Lift Operator
Mobile Straddle Transporter-Crane Operator
Telehandler Operator
Construction Hoist Operator

Earth Moving Equipment Operator

Excavator Operator
Backhoe Loader Operator
Bulldozer Operator
Loader Operator
Motor Grader Operator
Skid-Steer Loader Operator
Roller Compactor Operator
Trencher Operator
Tractor Operator
Concrete Mixer Operator

Industrial Equipment Operator

Welder Operator
Lathe Operator
Drilling Machine Operator
Grinding Machine Operator
Block Cutting Machine Operator
Marble Cutting Machine Operator

Site Safety

Confined Space Entry
Flagman Awareness
Welding and Hot Work Safety
Electrical Safety Awareness
Hand and Power Tools
Working at Height
Lock-out / Tag-out

MAINTENANCE OF FIRE FIGHTING SYSTEMS ON AMC BASIS

FIRE FIGHTING ANNUAL MAINTENANCE CONTRACT

➔ **Technical Inspection Services (TIS)** is a QCDD registered company offering **Planned Preventive Maintenance** of Fire Protection System on Annual Basis.

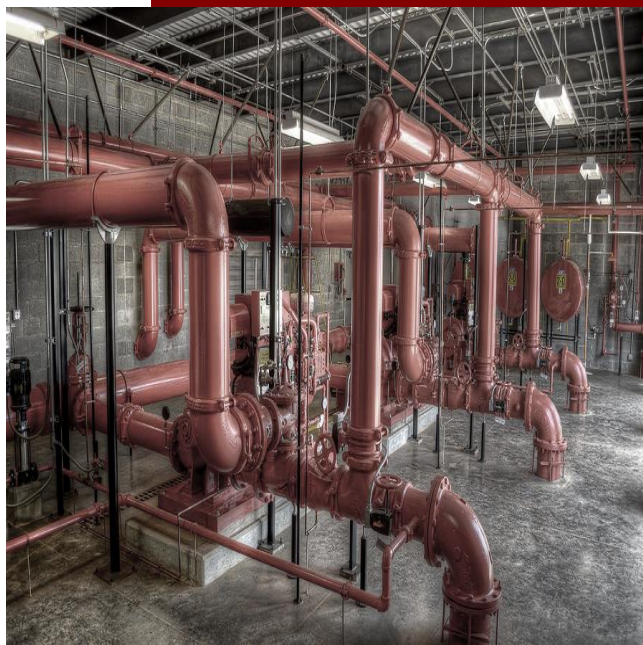
➔ With our competent team, all the Inspection, Testing, Maintenance and Service of Fire Fighting, Fire Pump, Sprinkler and all Fire Fighting System are being conducted weekly, monthly, quarterly, semi-annually and annually based on the latest **QCDD Fire and Life Safety Guidelines**.

➔ We guarantee that our Engineers and Technicians are available **24/7** to address emergency needs, and we will ensure the proper maintenance of all types of Fire Extinguishing Systems and Equipment.

- | | |
|------------------------------------|--------------------------------|
| -Fire Pump and Controllers | -FM 200 |
| -Fire Hydrant System and Hose Reel | -Water Based System |
| -Fire Extinguishers | -Foam Based System |
| -Dry Pipe Sprinkler Systems | -Gas Based System |
| -Wet Pipe Sprinkler Systems | -Wet Chemical Fire Suppression |
| -Pre-Action System | System (Kitchenhood) |

➔ **TIS** will be fully responsible for the maintenance of the Fire Fighting System across various occupancy types:

- Apartment Buildings (Residential Occupancy)
- Hotel Buildings and Towers
- Business Occupancies (General Offices, Municipal Halls, Dental Office, Barber Shops, Salon, etc.)
- Mercantile Occupancies (Department Stores, Shopping Centers, Supermarkets, Convenience Store, Automobile Showroom, Electronic Store, Drugstore, Restaurants and Gas Stations)
- Villas and Town Houses
- Dormitory and Accommodation Buildings
- Schools
- Hospitals / Nursing Homes
- Warehouses
- Factories of All Kinds



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