



QTISCO Laboratory Co.

For Soil Testing and Quality Inspection Services W.L.L



Quality embedded.....

INTRODUCTION

QTISCO – Laboratory Company; is a Kuwait-based Testing & Inspection services organization formed by an aspiring young entrepreneur to explore the boom in the Kuwait construction market.

QTISCO aspires to continue the winning strategy, thereby increase the market share by adding more resources and extensive marketing.

QTISCO is poised to embark on testing and inspection activities, broadly encompassing, but not limited to, the following areas:

- ❑ Metallurgical Testing
- ❑ Destructive Testing
- ❑ Non-destructive Testing
- ❑ Civil Construction Material Testing Laboratory
- ❑ Soil and Rock Testing's.
- ❑ Chemical Analysis for Construction Materials and Environmental.
- ❑ Survey and Drafting Services.
- ❑ Third Party Inspection Services.
- ❑ Structural Analysis and Building Assessment Studies.

The vision of QTISCO is to emerge as a market leader in Testing Services. We are committed to sustained growth and aspire to achieve complete customer satisfaction by delivering quality services at the highest standards to all our clients.

Metallurgical Testing

The Metallurgical Testing Department at QTISCO, acquired with ISO certifications, is fully equipped to assess the compliance of materials with applicable standards and specifications.

The qualified personnel in the department are highly experienced and capable of providing testing services to various industries, including Oil & Gas, Refineries, Petrochemicals, Fabrication, Transportation, and more.

The following tests are generally conducted (but not limited to) in accordance with international standards set by ASTM, BS, ASME, AWS, ISO, and others.

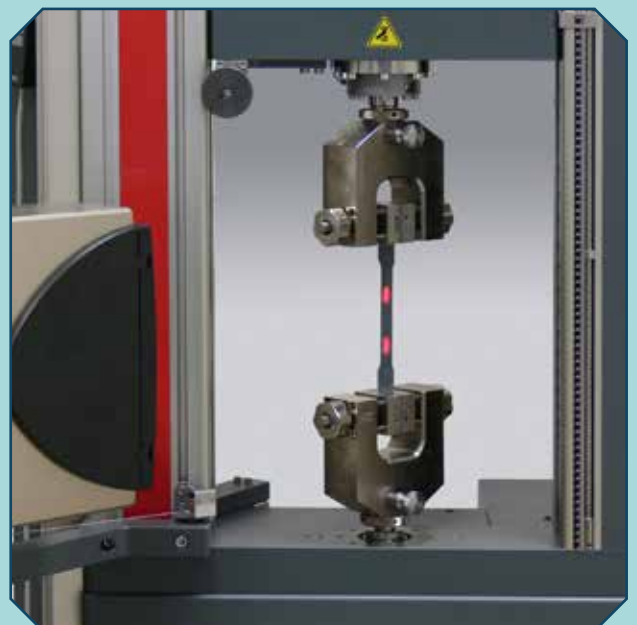
All test equipment is calibrated, traceable to internationally certified standards:



- ≈ Tension Testing of Metallic Materials
- ≈ Tensile Testing of Welded Samples
- ≈ Bend testing of Welded samples
- ≈ Fillet weld breaking test
- ≈ Notched Bar Impact testing of

Metallic materials

- ≈ Impact testing of welded samples
- ≈ Vickers Hardness of metallic materials
- ≈ Hardness testing of welded samples
- ≈ Nick testing of welded samples
- ≈ Macro etching of metals and alloys.



Non-Destructive Testing

Non-Destructive Testing (NDT) is a crucial method for examining objects or structures for potential faults without causing destruction or permanent deformation. Its non-invasive nature makes NDT particularly valuable for checks during the production process and maintenance.

Our highly qualified and dedicated NDT team offers a comprehensive range of testing and inspection services, spanning all market sectors, including Oil & Gas, Refineries, Petrochemicals, General Engineering and Fabrication, Military, and more.

Our services include (but are not limited to):

- ▶ Radiography (X-Ray & Gamma-Ray)
- ▶ Magnetic Particle Testing
- ▶ Liquid Penetrant Testing
- ▶ Ultrasonic Testing
- ▶ Post-Weld Heat Treatment (PWHT)
- ▶ Preheat Treatment
- ▶ Hardness Testing
- ▶ Magnetic Flux Leakage (MFL)
- ▶ Holiday Deductions
- ▶ Calibrations
- ▶ Automated Ultrasonic Testing (AUT)
- ▶ Borescope Inspections
- ▶ Eddy Current Testing
- ▶ Thickness Measurement
- ▶ Risk-Based Inspections



Civil Construction Material Testing

Elevate your construction quality with QTISCO's expert material testing. Our comprehensive services ensure compliance and quality control for a diverse range of materials, including:

- » Concrete
- » Grouts
- » Fine and Coarse Aggregates
- » Cement
- » Asphalt
- » Water
- » Admixtures
- » Reinforcements
- » Masonry Blocks
- » Paving Blocks
- » PVC Water Stops
- » Refractory Materials



Rely on QTISCO for meticulous testing, delivering excellence in every construction project.

Survey & Engineering Drafting Services

At QTISCO, our Survey department is committed to excellence in Mapping and Engineering Survey, equipped to meet diverse requirements for various clients. Our extensive expertise serves Ministries, Municipalities, Civil Contractor Companies, Consultants, and key players in the Oil Sector, including KOC, KNPC, and Joint Operation ventures.

Comprehensive Survey Services

We take pride in offering a versatile range of survey services tailored to the unique needs of our clients, including:

- ❑ Topographic Survey
- ❑ Engineering Survey
- ❑ Measured Building Survey
- ❑ Stock Piles Volumetric and Quantity Survey
- ❑ Utilities/ Services Survey and Survey Project Management



Global Collaboration for Specialized Services.

Collaborating with associate companies in Kuwait, the Gulf region, and the Indian subcontinent, QTISCO extends its capabilities to include expertise in:

- ❑ GPS Satellite Positioning
- ❑ Hydrographic and Bathymetric Survey
- ❑ Aerial Surveying
- ❑ Survey Training

Our commitment to excellence and precision ensures that every project, whether local or international, meets the highest standards. Join hands with QTISCO for unparalleled Survey and Engineering Drafting Services.



Third Party Inspection Services

QTISCO is your trusted partner for comprehensive Third-Party Inspection Services, ensuring quality and compliance during the construction and operation phases. Our experienced team of qualified engineers specializes in diverse fields, providing inspection services for a wide range of projects including Refineries, Petrochemical Plants, Pipelines, Civil Construction Projects, Residential Buildings, Offices, Heavy Industrial works, Roads, and Bridges.

Our Fields of Expertise:

- ◆ Civil Engineering
- ◆ Mechanical Engineering
- ◆ Health, Safety, & Environmental
- ◆ Electrical Engineering



Why Choose QTISCO for Third-Party Inspections?

- ◆ **Expertise:** Our team comprises highly qualified engineers with extensive experience in their respective fields.
- ◆ **Comprehensive Coverage:** We cover a broad spectrum of projects, including refineries, petrochemical plants, pipelines, civil constructions, and more.
- ◆ **Quality Assurance:** Ensure the highest standards of quality, safety, and compliance with our meticulous inspection services.
- ◆ **Reliable Partnerships:** Trust QTISCO as your reliable partner in achieving excellence in construction and operation projects.



Quality embedded.....

Soil and Rock Testing

QTISCO has the ability to provide services to fulfill the requirements on Sub Soil Investigations, Various type of Testing for Soil and Rocks.

Our field staff is capable of providing full support for ongoing civil construction projects. For ensuring the Quality of Earthwork activities which includes but is not limited to;

- ≈ Structural fill.
- ≈ General filling.
- ≈ Roadwork and parking lots.
- ≈ Trenches.
- ≈ Earth embankments.
- ≈ Retaining structures.



QTISCO is equipped to conduct various laboratory and field tests, including but not limited to:

- ❏ Particle Size Analysis
- ❏ Maximum Dry Density and Optimum Moisture Content
- ❏ Field Density Test
- ❏ Plate Load Test
- ❏ Soil Resistivity
- ❏ Point Load Index
- ❏ Standard Penetration Test
- ❏ In-Situ Field CBR
- ❏ Permeability Test
- ❏ Density & Water Absorption
- ❏ Unconfined Compression Strength
- ❏ Dynamic Cone Penetration Test
- ❏ Sulphate and Chloride
- ❏ Organic Content
- ❏ Methylene Blue Absorption Test
- ❏ Silica Content & Calcium Carbonate
- ❏ Magnesium, Potassium & Sodium
- ❏ pH
- ❏ Swelling index
- ❏ Thermal Conductivity
- ❏ Shear Test



Chemical Analysis for Environmental & Construction Materials:

With highly qualified and well experienced personals. QTISCO offers services in various type of chemical analysis for the material related to the construction industries as well as for the Environmental Research compressing to the following material but not limited to;

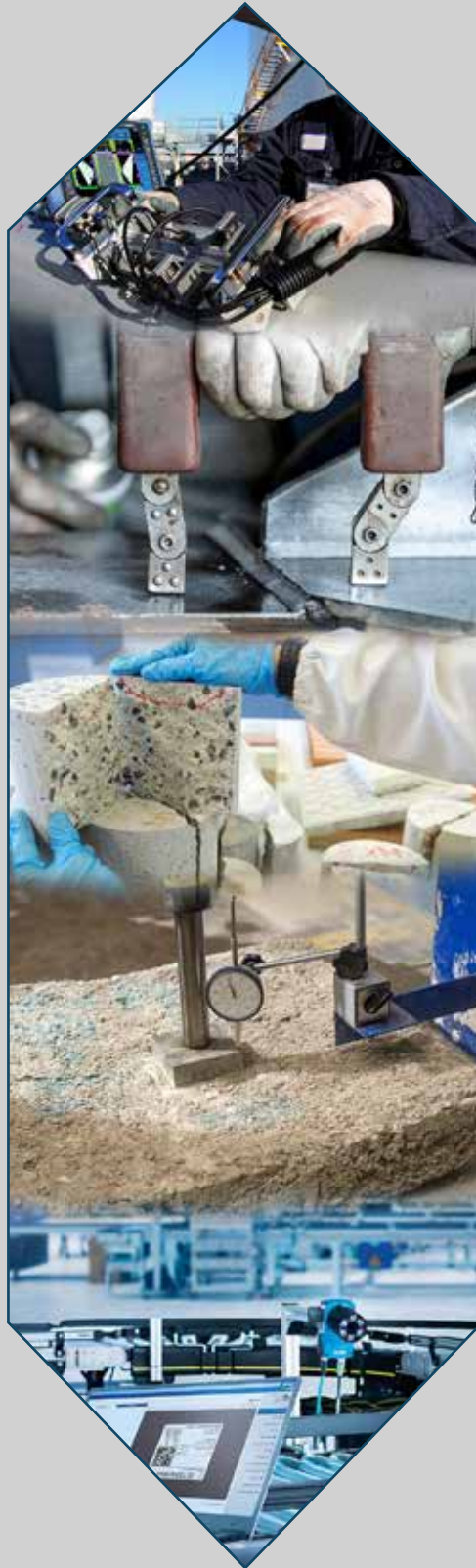
- » Coarse and Fine Aggregate.
- » Soil
- » Water
- » Admixtures.
- » Cement
- » Concrete
- » Refractory Materials
- » Sand and Grit Blast materials Silica
- » Rock
- » Paint Materials
- » Bitumen
- » Water proofing membrane
- » Gypsum
- » Granite and Marble



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