



QGEC

Qatar Geotechnical
& Environmental
قطر للبيئة وهندسة التربة

CORPORATE PROFILE

ABOUT US

Qatar Geotechnical and Environmental Company (QGEC) is a member of Arabian Construction Engineering Company (ACEC), and is affiliated with Tolunay-Wong Engineers (TWEI).

QGEC was established in 2003 in Qatar providing services in the field of geotechnical, geoscience, environmental and materials engineering for infrastructure, onshore and offshore pipelines, power, energy development and hydrocarbon resource projects.

QGEC services are performed using state of the art technologies and according to international standards, through QGEC personnel expertise and the extensive experience of TWEI based in Houston, Texas – USA and provides services in geotechnical engineering, geological, geophysical, environmental and materials testing.

2003
Established

70+
Team

200+
Approved
Test List

50+
Geotechnical
Projects

INTERNATIONAL & ACCREDITATION CERTIFICATES

QGEC has ISO 9001:2015 Certified Quality Management Systems, OHSAS 18001:2007 Certified Occupational Health and Safety Management Systems, ISO 14001:2015 Certified Environmental Management Systems and International Accreditation Service (IAS) Certified for Testing Laboratories (AC89) in compliance with ISO/IEC Standard 17025:2005.





MISSION & VISION

QGEC is determined to provide an exceptional experience to our customers. As an independent laboratory, our core advantage in testing, compliance & inspection proved to be the best-in-class.

QGEC is dedicated to be a leading provider of Geoscience & Material Testing Services in Qatar and committed to achieve total customer satisfaction by providing testing services as per relevant standards and always committed to:

- ✓ Excellent testing services by complying to the requirements of ISO17025
- ✓ Accountability in testing, certified technicians and engineers
- ✓ Requirements of international standards and customers
- ✓ Continual improvement in performance, machinery and skills
- ✓ Motivation to all stakeholders

LOCAL GOVERNMENT APPROVALS

QGEC is approved by Local Government Authorities and passed the Certificate of Conformity for the General Requirements of Materials Testing Laboratory, and Certificate of Conformity for the Requirements of Geotechnical Soil Investigation Firm. Likewise, our Company is in the Approved List of Local Laboratories of Ashghal/Public Work Authority (PWA).



QGEC LABORATORY

Our laboratory has been accredited by IAS since 2011 and meet the requirements of Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, General requirements for competence of testing and calibration laboratories.

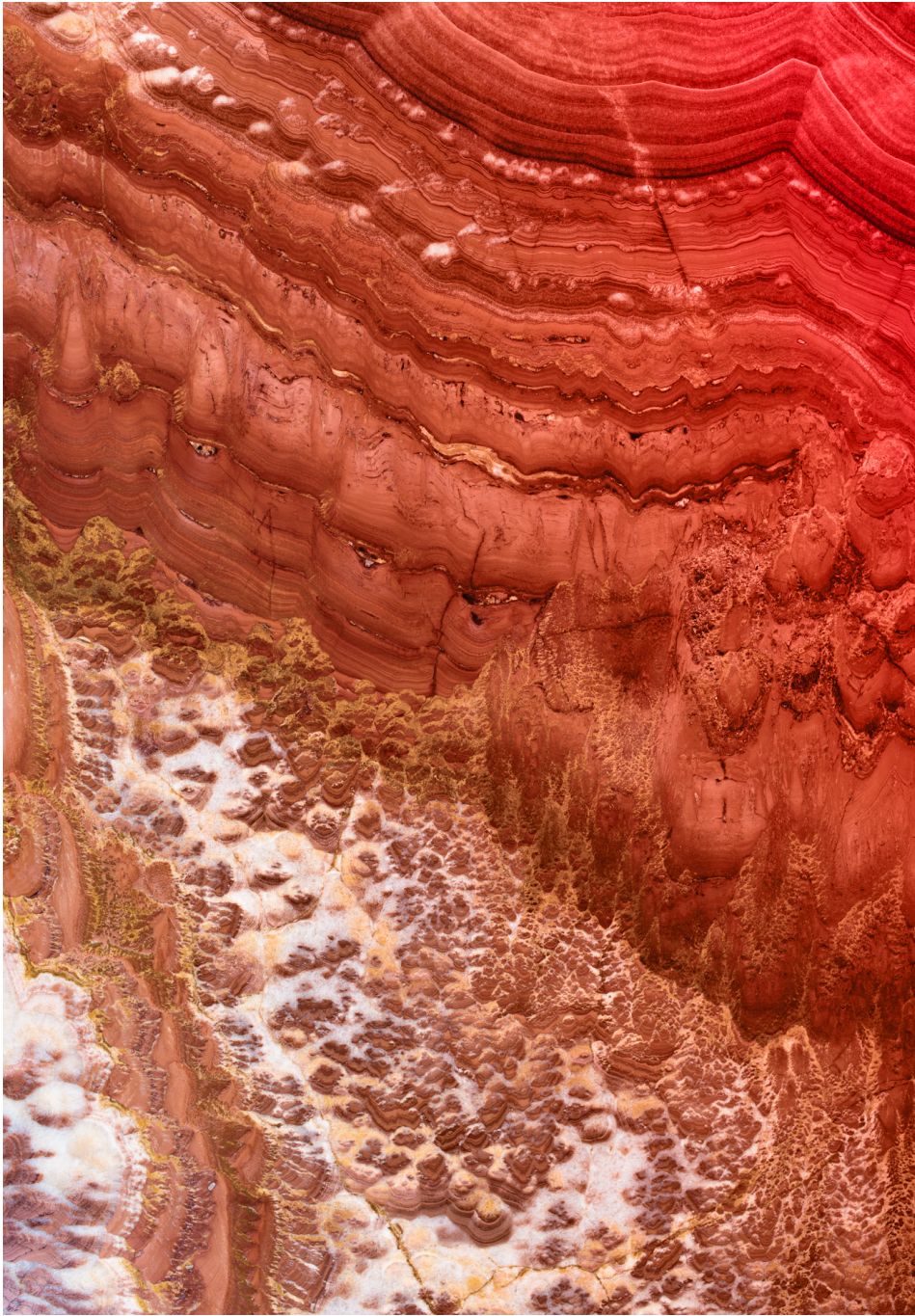


GEOPHYSICAL SERVICES

QGEC offers Geophysical Survey imaging service for Non-Destructive Testing (NDT) evaluation to locate and map subsurface features. Using Ground Penetrating Radar (GPR) uncovering the mysteries below the ground. The depth of exploration is determined by the ground penetrating Radar Frequency, Ground Make up, Soil Conditions and type of target to be identified.

Geophysical Surveys are also used to locate water tables or the depth of the bedrock prior to drilling or excavation. GPR is also used to map the depths and locations of voids in the ground, below the road surfaces or below concrete slab floors before they become a dangerous sink hole. A GPR Geophysical Survey is less invasive than taking core samples to determine the depth of a void or multiple core samples to determine the overall size void.

Sub-surface Objects and Stratigraphy layering will cause reflections that are picked up by GPR equipment. The travel time of the reflected signal indicates the depth. Data may be plotted as individual profiles, or as maps isolating specific depths.



CONSTRUCTION MATERIALS TESTING

QGEC performs materials testing for quality control during Construction, Geotechnical Investigations, Pavement Evaluations, and Structural Condition Assessments.



CONSTRUCTION QUALITY CONTROL TESTING

QGEC facility is fully equipped to test soil, rock, aggregates, hot mix asphalt, asphalt binder, concrete, mortar, grout and steel.

Our certified and experienced material technicians are supervised and supplied with the latest testing equipment for accurate results.

Additionally, we can set up On-Site Testing Laboratories with complete testing capabilities directly to any construction site. Our clients can contact our construction quality control testing services on a full-time or as-needed basis.

GEOTECHNICAL

QGEC specializes in Geotechnical Field Studies and data capture for Environmental, Groundwater Studies and Shallow Geotechnical Studies for civil engineering purposes. We install a variety of monitoring equipment as well as undertake various Geotechnical Testing.

Applications include Packer Testing, Pump Testing, Constant Head Testing, Falling and Rising Head Testing, Geotechnical Core Logging and installation of Geotechnical Monitoring Equipment.

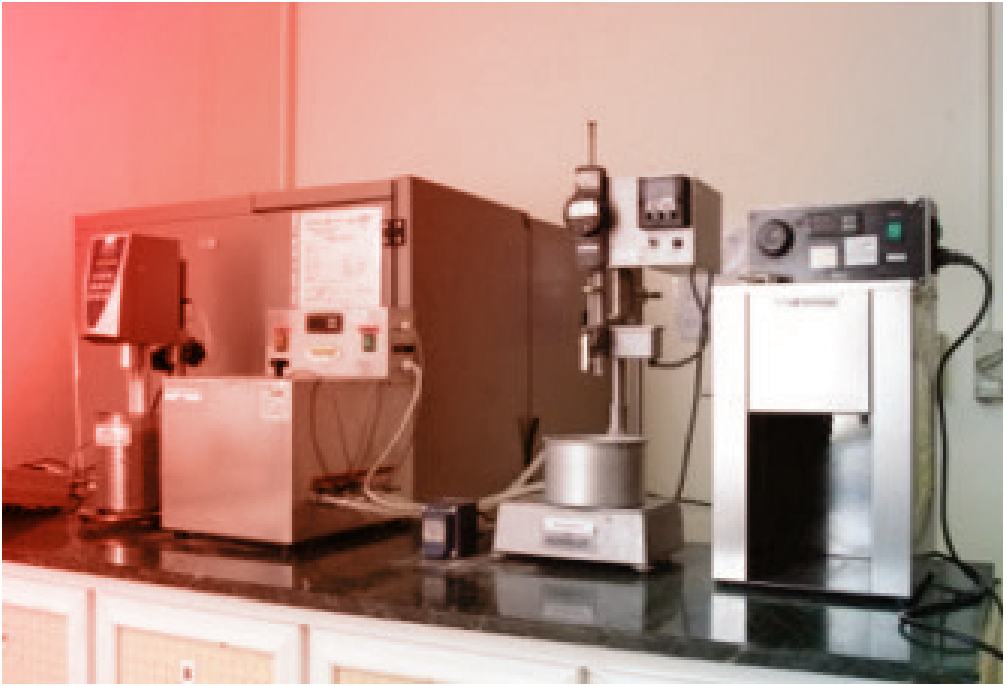


QGEC CAPABILITIES

QGEC always invests to improve and meet every client’s general requirements on Construction Materials Testing and Geotechnical Soil Investigation.

We are equipped with the most modern and updated versions of high quality run of softwares to raise standards of our tests and minimize human errors.

QGEC will provide total satisfaction to all clients and assure that all reports will have a 100% accuracy result based on conducted test services.



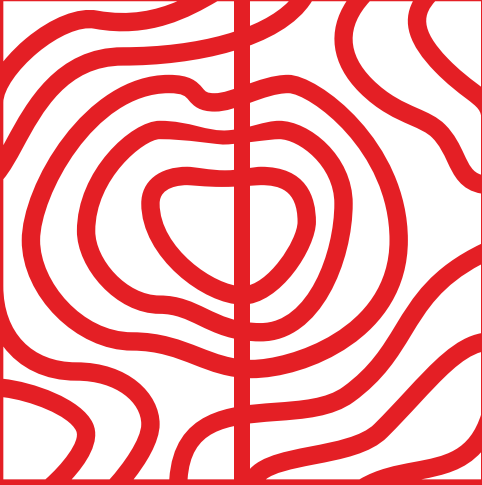
QGEC TESTS

- ✓ Soil Tests
- ✓ Steel Tests
- ✓ Road and Pavement Tests
- ✓ Fine and Coarse Aggregate Tests
- ✓ Fresh and Hardened Concrete Tests
- ✓ Masonry Blocks and Paving Units Tests
- ✓ Performance Graded Asphalt Binder Tests
- ✓ Performance Tests for Asphalt Mixtures
- ✓ Geotechnical Tests and Site Investigation
- ✓ Various Environmental Water Tests as per International Standard and QCS - Qatar Specifications



MAJOR CLIENTS



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