TSCO
GCC Technical Services Co

One Stop Shop

for Technical Consultation,
Engineering Solutions &
Compliance



Overview
Vision & Mission
Strategic Ambition
Technical Services Scope
Regional Champion
Services & labs
Certification

Vision & Mission

Vision

To be the leading global provider of innovative Technical Services including Testing , Inspection and Certification, recognized for our commitment to quality, safety, and sustainability.

Mission

Advance safety, efficiency, and innovation by delivering world-class services and solutions enabled by highly skilled people, and state-of-the-art operating facilities.



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Strategic Ambition



One-stop-shop Technical Consultation, Engineering Solutions and Compliance Management

Provide career opportunities for Saudi workforce

Increase local content & retain revenue

Enhance quality & enhance competitiveness

Build knowledge economy and support R&D

Boost technical readiness for sustainable technologies

Integrated Technical Services Scope

Testing

- Hydrocarbons
- Mechanical
- Environmental
- Fire resistance
- Fiber optic
- HVAC

Inspection & Compliance Mgt

- 3rd party inspection
- Advanced NDT
- Robotics/UAVs
- Device calibration

Technical Services

- Consultation
- Technical studies
- Engineering & Lab Solutions

Industrial Services & Asset Mgmt

- Maintenance and repair
- Shutdown / Turnaround
- Chemical cleaning

Certification of Conformity

- Quality Mark
- Gulf Conformity Mark
- SFDA
- (Food & Cosmetics)
- Water Efficiency Label
- Saudi SABER Certificate

Beneficiaries

All Energy, Petrochemical, Industrial & Non-industrial Sectors

Energy | Construction | Minerals | Maritime | Transportation | Medical

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Regional Champion

Regional Reference for Governmental Authorities

وزارة الصناعة والثروة المعدنية
Ministry of Industry and Mineral Resources

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

وزارة النقل والخدمات اللوجستية
Ministry of Transport and Logistic Services

وزارة الدفاع
MINISTRY OF DEFENSE

المركز الوطني للرقابة على الالتزام البيئي
National Center for Environmental Compliance
المملكة العربية السعودية

وزارة الطاقة
MINISTRY OF ENERGY

وزارة البلديات والإسكان
Ministry of Municipalities and Housing

المواصفات السعودية
Saudi Standards
SASO

Serving Major Clients

أرامكو aramco
se saudi energy
سابك sabic
HALLIBURTON
ساسرف SASREF
ابن رشد ibn rushd
ثقة THIQAH
سيخم Sipchem
معادن MAADEN
slb
Baker Hughes
حديد hadeed
TAQA
مرافق MARAFIQ
NARI
ياسرف Yasref
SANAD Saudi Aramco Nabors Drilling
ARO DRILLING
ADES
Arabian Drilling
INTERNATIONAL MARITIME INDUSTRIES
Chevron
صدارة Sadara
ساتورب satorp
ACWA POWER
stc
البواني AL BAWANI

Overview
Services & labs
Fire
ICT
Calibration
Analytical Lab
Consumer Products
Inspection
Industrial
Lab Solution
Eng. & Tech.
Energy Sustainability
Certification

Fire Services Center

- Test & certification of consumer products
- Root cause analysis and arbitration
- Safety assessments & compliance to standards
- Safety & Fire Protection Consultation
- Inspection of fire protection systems



UL NFPA IFSS Efectis FTRL tecnalia BCSP

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Fiber Optic Testing Laboratory - Services

Performance Testing for all Fiber Optic Network Components.

Prequalification for all Fiber Optic Network Components.

Type Test for all Fiber Optic Network's Components.

Factory Acceptance Test FAT.

Site Acceptance Test SAT.

Supplier Evaluation, Inspections, and Investigations.

Engineering Advisory and Consultations.

Training and Certification.



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Fiber Optic Testing Laboratory - Testing

Optical Tests

- Optical Signal Attenuation
- Optical Signal Dispersion
- Optical Signal Change in Loss
- Wavelength-dependent loss (WDL)



IEC 60793-1-40 Method C, Attenuation Test
IEC 60793-1-42 Chromatic Dispersion Test
IEC 60793-1-47 Polarization Dispersion Test



IEC 60793-1-40 Method B, Insertion Loss Test

Mechanical Tests

- Tensile and Elongation
- Crush
- Impact
- Bend / Repeated Bend
- Torsion
- Kink
- Abrasion



IEC 60794-1-21 Method E10
Kink Test



IEC 60794-1-21 Method E7
Torsion Test

Environmental Tests

- Temperature Cycling
- Ageing
- Freezing
- Compound Flow
- Water Penetratio
- Bleeding and Evaporation



IEC 60794-1-21 Method E4
Impact Test



IEC 60794-1-21 Method E2
Abrasion Test

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OT Cyber Security Services

Services

- Assessment & Audits Services
- Consultancy Services
- System Integrator
- Engineering & Implementation Services
- Training Services

Certification

- ISO 27001
- ISO 14001
- ISO 9001
- ISO 45001

Partners

ATS, NOZOMI NETWORKS, FORTINET, ICSFUSION, CYBER WISE, tenable.ot operational technology, COHESITY

Your Trusted Partner

National Cybersecurity Authority, NIST SP 82-800, IEC, SANS GIAC CERTIFICATIONS, ISA, CYBER SECURITY COUNCIL

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Calibration Services

- Electrical
- Microwave
- Temperature
- Dimensional
- Pressure
- Optical Fiber
- Torque
- Vibration
- Force
- Humidity



Accredited by

مركز الاعتماد الخليجي
GCC Accreditation Center

الاعتماد السعودي
Saudi Accreditation

Hydrocarbon, Oil, Water Analysis Services

International standards (ASTM, IEC, IEEE, ISO, UOP, IP, APHA)

+150
Oil analysis tests

R&D in oil application

Fault diagnostics & solutions

- Transformer Oil
- Lubricating Oil
- Grease Oil
- Fuel Oil

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Environmental Lab

+100
analysis
tests



- Wet Chemistry Lab
- HLPC Analysis
- Air Quality Monitoring
- Microbiology Lab
- Soil and Sediment

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Consumer Products Lab Services

Testing, Inspection & Certification Services for Consumer Products

- Petroleum Testing
- Toys Testing
- E-Product Testing
- Textile Testing
- Leather & Footwear Testing
- Car Spare Parts Testing
- Tire & Rim Testing
- Chemical Analysis
- Vehicle Inspection

الاعتماد السعودي
Saudi Accreditation

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Construction and Building Material Lab - CBML

Leading ISO/IEC 17025 accredited laboratory delivering high-quality and reliable testing services, equipped with state-of-the-art technologies and operated by a skilled technical team. Commitment to accuracy, international standards, competitive pricing, and timely reporting.

Key Testing Capabilities

Paints: Drying time, gloss, UV weathering, scratch & impact resistance

Plastics & Pipes: Melt flow, carbon black content, hydrostatic pressure

Soil & Aggregates: Sieve analysis, Atterberg limits, CBR

Asphalt & Bitumen: Marshal properties, bulk density

Concrete & Cement: Compressive strength, slump, water absorption

Tiles & Metals: Breaking strength, abrasion, tensile & chemical tests

Sanitary Items: Water efficiency, flow & flush rate testing

Accreditations

SO/IEC 17025 **SAAC**

ISO/IEC 17025 **GAC**

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Inspection Services

Services

- Conventional NDT
- Advanced NDT
- Drone-based visual inspection for hard-to-reach areas
- 3D laser scanning for precise dimensional verification and digital twin creation
- Vibration analysis and rotating equipment condition monitoring
- Third-party inspection to ensure asset integrity & mitigate industrial risks
- Lifting equipment and crane inspection according to LEEA standards

ARAMCO ACCREDITATION
(Blue Sticker)

ISO 9001 14001 45001 17020

Partners

MARAFIQ, aramco, Petro Rabigh, satorp, sabic, MAADEN, Sipchem, SASREF, Sadara, slb, saudi energy, Chevron, NEOM

Specialized NDT

Quest Integrity, Mare Custos, Tracerco Insight through innovation

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Industrial Services

Industrial cleaning
Onsite industrial cleaning services e.g. high-pressure water jet cleaning, chemical cleaning, lube oil flushing, etc.

Maintenance
Routine maintenance work for refineries & petrochemical plants

Plant Support
Plant start up & pre-commissioning support

Equipment rental
Equipment rental services

Petrochemical Plants Support
Turnaround and shutdown support of refineries & petrochemical plants

cleaning & maintenance
Offsite heat exchangers cleaning & maintenance

Fabrication Work
Onsite & offsite fabrication work

Construction projects



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Lab Solution Services

Supply of Laboratory Equipment

Custom Laboratory Furniture Solutions

Lab Consultation

Equipment Maintenance Services

Supplying Chemicals

Training Programs

One Stop for Every Lab

Analytical & Material

Oil, Gas & Petchems

Chemicals

AI Solutions

Turnkey Projects

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Engineering & Technical Services

Design Review & Engineering Analysis

- Process Design
- (P&IDs)
- Equipment Specifications
- Structural Designs
- Electrical System Diagrams
- Control System Architecture & Logic

Construction Quality Control

- Quality Plan
- Welding Procedure and Certification
- Material Verification
- Components Inspection
- Examination of Connections
- System Testing & Commissioning Verification

Asset Integrity Engineering

- Corrosion Mgt Program Dev. & Implementation
- (FFS) Assessments
- Life Assessment Studies
- (RBI) Analysis
- (RCM) Program Development
- Failure Analysis

Process Safety Engineering

- (PHA) Using HAZOP, LOPA, etc
- (QRA) & Consequence Modelling
- (SIL) Assessment
- Fire and Explosion Risk Assessment (FERA)
- Testing & Inspection Services

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Energy Sustainability Center



- Decarbonization
- Process Integration
- Utilities Optimization
- Load Management



- Power Gen./ Cogen
- Power Quality
- Light ESCO
- Circular Economy

Overview
Services & labs
Certification
Association with Authorized Bodies
Authorized Certification Programs
International Offices

Association with Authorized Bodies

TSCO – COC is associated with International Standardization Organization **(ISO)** via Saudi Standards, Quality & Metrology Organization **(SASO).**

We take pride in maintaining our quality infrastructure and provide conformity assessment services with no compromise on integrity and authenticity.

Approved Body by

هيئة التقييس
المواصفات السعودية Saudi Standards
الهيئة العامة للغذاء والدواء Saudi Food & Drug Authority

Accredited by

الاعتماد السعودي Saudi Accreditation
مركز الاعتماد الخليجي GCC Accreditation Center
EGAC

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Authorized Certification Programs

Saudi SABER Certificate

SASO Quality Mark

Gulf Conformity Mark (Toys & LV Devices)



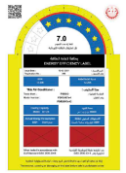
SASO Water Efficiency Label



GSO Water Efficiency Label

SFDA (Food & Cosmetics)

SASO OXO Biodegradable Plastics



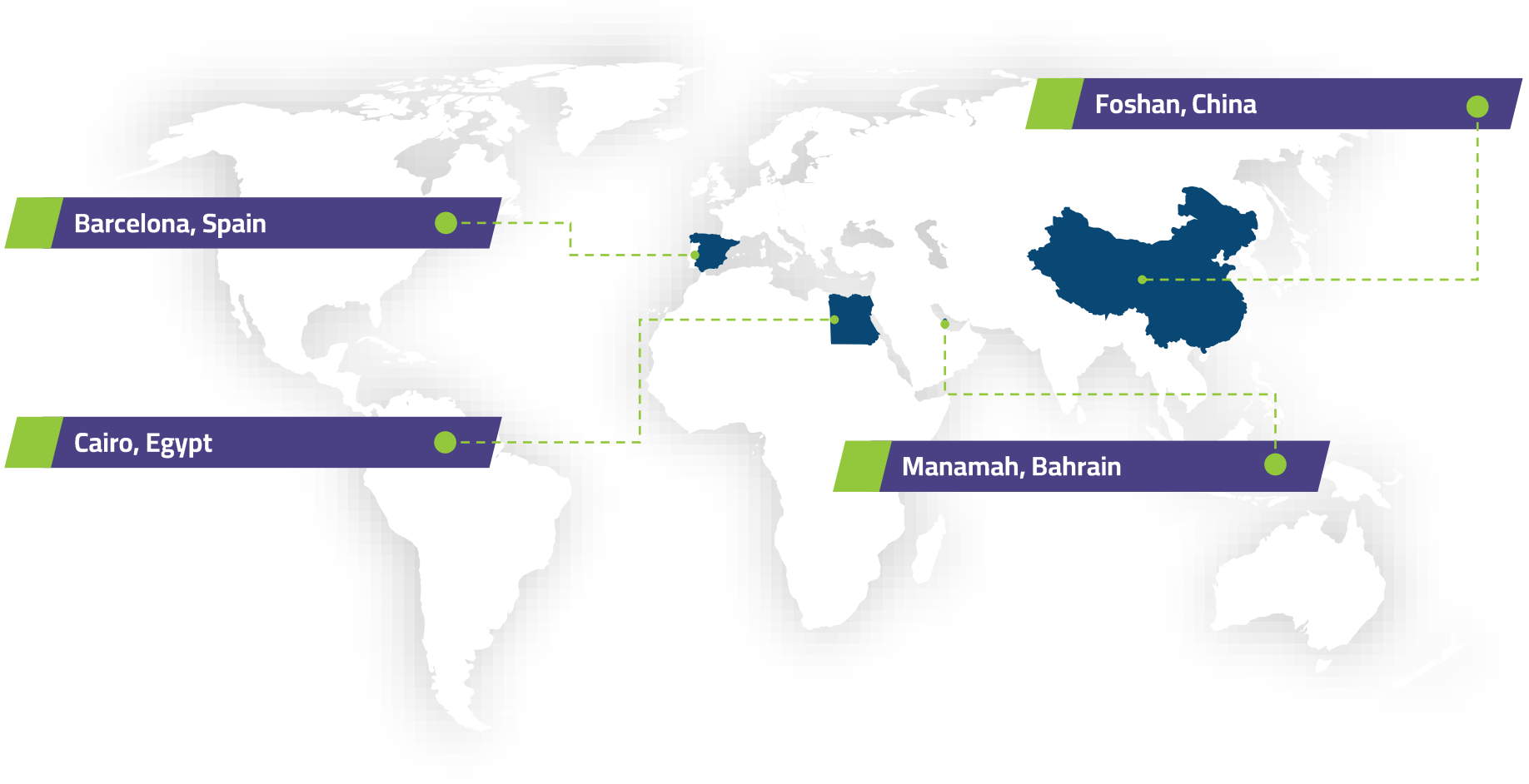
Oman AC Energy Efficiency Label



Bahrain AC Energy Efficiency Label

GOEIC Certificate of Inspection

TSCO International Offices



TSCO

GCC Technical Services Co