

We envision STFA to rank amongst the top three international construction companies in our fields of service and in the markets we serve by 2020. In doing so, be one of the most admired construction companies to work for,



where a pioneering spirit, an innovative mind set, and a truly creative culture can flourish, and where great people are fully committed to be the best that they can be, and deliver exceptional value for both our customers and for the community.

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Feyzi Akkaya



Sezai Türkes

STFA has its beginnings in 1938. Two young engineers, Sezai Türkes and Feyzi Akkaya, saw the need, in the new Turkish Republic's growing economy, for facilities for bridge construction and piling operations in the country. They had **the vision of developing innovative engineering solutions and services using world-class standards and with projects in Turkey and abroad.**

This vision became fully-realized at the beginning of the 1970s when STFA, having established itself in Turkey, broke into the international market, **first in Libya and then in many other countries** – one of very few pioneer Turkish contractors to do so.

From a bridge and piling construction company, STFA evolved into **a total engineering and construction solutions company**, to become a leader in bringing integrated solutions to the most challenging projects in the fields of:

- Marine Construction
- Civil / Infrastructure Works
- Oil, Gas and Power
- Soils and Foundation Engineering
- Engineering and Management Consultancy

Today, STFA maintains its standing as one the most respected Turkish contractors in the world. It is proud of its contribution to the development of countries in the MENA region and its role in enhancing social, cultural, and economic relations between these nations and Turkey.

STFA's mission is to sustain its position as a leading construction group in the MENA region.

STFA aims to be the **company of choice by delivering projects on time, within budget, and to the required standards of quality-creating value by the fusion and application of human intellect, ethics, and up to date technology.**

Much has changed in the world of engineering and construction since STFA was founded, but the key ingredients to STFA's success in the international market have remained the same. These include:

- passion,
- commitment,
- inspiration,
- continuous innovation, and
- hard work.

By virtue of its dedication to these values, STFA can boast, to date, of over 360 projects, worth an aggregate of \$12.4 billion, successfully completed on three different continents.

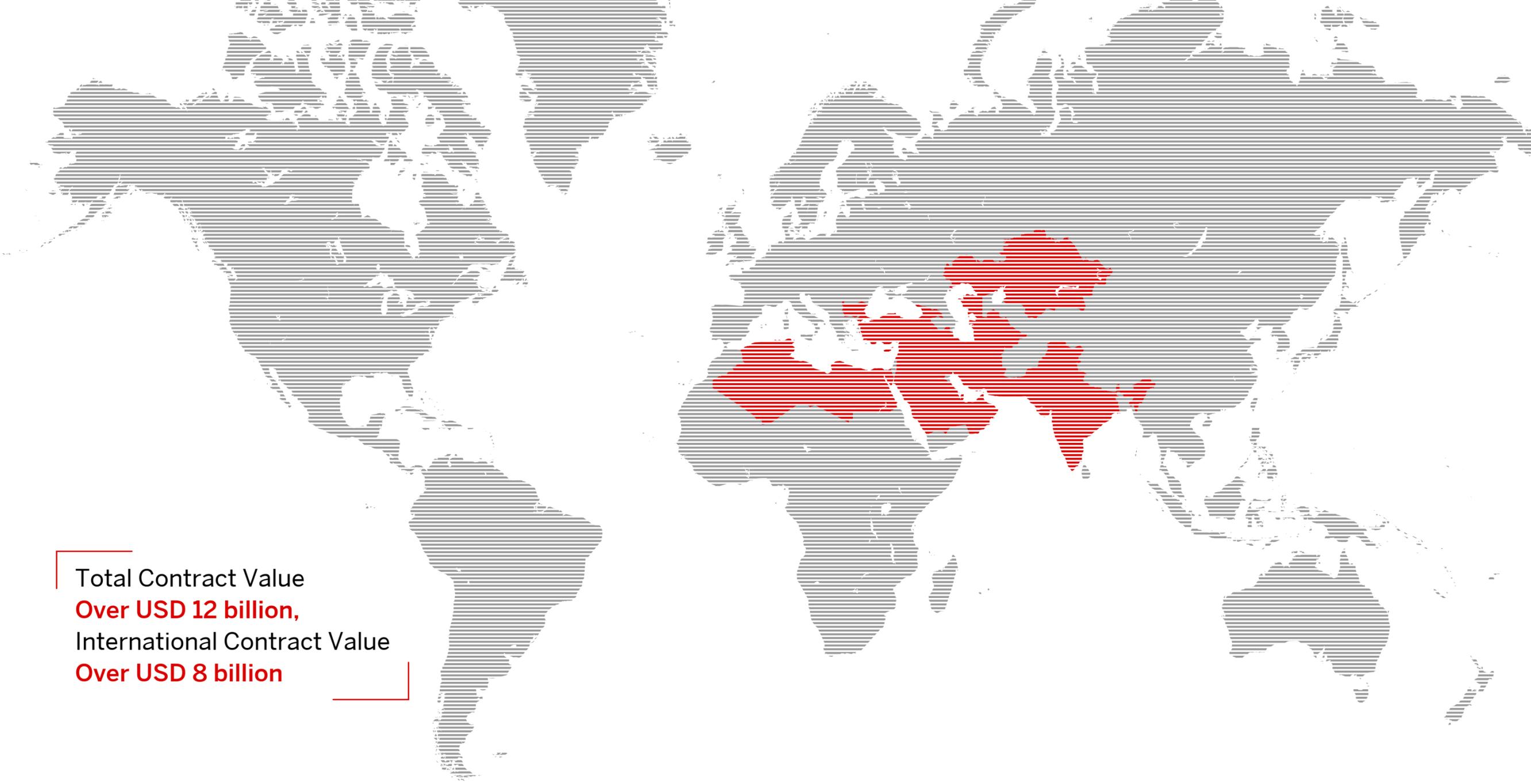
In such a competitive market, **STFA has sustained its competitive advantage because of its flexibility and ability to adapt to the evolution of the market and customers' requirements.**

STFA excels in:

- Developing alternative solutions in design and engineering, resulting in more effective operations with savings on cost and project completion times.
- Fostering effective customer relations with a dedicated focus on public and private sector customers and their primary contractors.
- EPC Contracts: leveraging our local and technical know-how
- Implementing an effective occupational health and safety management system recognized and commended by leading international customers and contractors and
- Maintaining high quality service and products.

STFA's organizational structure, consisting of specialized and regional business units, provides STFA with the flexibility, specialized know-how, competitive cost structure, and fast response times required by its customers.

**STFA aims continue its impressive achievements and contribution to the sustainable development of the communities it serves, as well as the protection of the environment, through operations that are further supported by the effective implementation of ERP and ERM processes.**



Total Contract Value  
**Over USD 12 billion,**  
 International Contract Value  
**Over USD 8 billion**

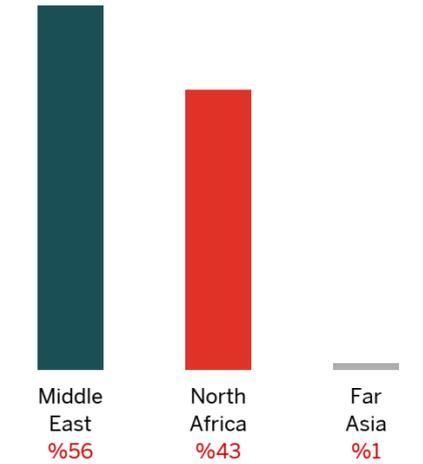
Experience in **21 countries** including Turkey, Libya, Algeria, Egypt, Tunisia, Pakistan, Iraq, Saudi Arabia, Oman, Iran, United Arab Emirates, Cyprus, Lebanon, Qatar, Syria, Turkmenistan, Kazakhstan, Georgia, Jordan, India and Bulgaria.

**Today, operating in 8 countries**  
 Saudi Arabia, Algeria, Pakistan, Qatar, Libya, United Arab Emirates, Turkey and Oman

**First Turkish Contractor in 9 countries**

- |                   |               |
|-------------------|---------------|
| 1972 Libya        | 1992 Pakistan |
| 1978 Saudi Arabia | 2000 Oman     |
| 1981 Egypt        | 2000 Qatar    |
| 1983 Iran         | 2001 India    |
| 1984 Tunisia      |               |

**International Breakdown**

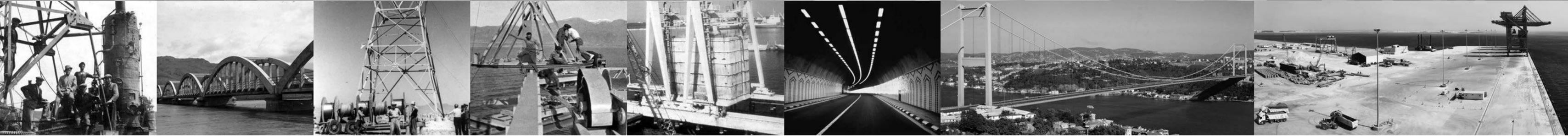


**Middle East 56%:** Oman 22%, Qatar 14%, Saudi Arabia 10%, Pakistan 7%, Others 3%.  
**North Africa 43%:** Libya 41%, Others 2%.  
**Far Asia 1%**

**114<sup>th</sup> ENR Ranking**

The Top 225  
 International Contractors

30s 40s 50s 60s 70s 80s 90s 2000s



**1938** Establishment of Sezai Türkes - Feyzi Akkaya Partnership (STFA).

**1948** Malatya Bridges in Turkey. STFA's **first large scale contract**.

**1952** Construction of the **first 154 kV Energy Transmission Line in Turkey**.

**1958** Completion of **Turkey's first telephone network** within the scope of the NATO Infrastructure Project.

**1962** Construction of 1800m long NATO Dört Yol Oil Pier, the **longest jetty ever built in Turkey**.

**1965** Completion of Bartın Harbor. **Turkey's first submarine base**.

**1968** Marine Terminal of Aliğa Refinery in Turkey; **first ever use of a jack-up platform designed by Feyzi Akkaya**.

**1970** **First utilization of a tunnel boring machine ("TBM") in Turkey** at Kadıncık II HEPP.

**1972** Construction of Tripoli Harbor in Libya. **STFA's and a Turkish Contractor's first international contract**.

**1973** **Design and manufacture of a 1,200 ton gantry crane** for the launching of caissons for Tripoli Harbor in Libya.

**1978** Establishment of the Feyzi Akkaya Temel Education Foundation for the provision of scholarships in vocational training.

**1978** Muna Tunnels in Makkah. STFA becomes **the first Turkish Contractor operating in Kingdom of Saudi Arabia**.

**1981** Completion of a 220 kV, 145 km Energy Transmission Line. STFA's **first contract in the United Arab Emirates**.

**1981** Soil investigation works at the Dimyat Port Extension. STFA becomes **the first Turkish contractor in Egypt**.

**1983** Jask, Qeshm and Lengeh Ports in Persian Gulf. STFA becomes **the first Turkish contractor in Iran**.

**1983** Honorary Doctorate Degrees awarded to Sezai Türkes and Feyzi Akkaya from Istanbul Technical University.

**1984** Gabes Port. STFA becomes **the first Turkish contractor in Tunisia**.

**1985** Completion of the Second Bosphorus Bridge and the 230 km section of the Motorway Project in Istanbul, Turkey. The bridge is the sixth longest amongst similar suspension bridges in the world.

**1985** **First utilization of jet grouting in Turkey** in the Istanbul Sewerage Project.

**1986** **First utilization of Cast-in-situ Free Cantilever Method** in Kömürhan Bridge in Turkey.

**1990** Sezai Türkes and Feyzi Akkaya are **the first recipients of the "Turkish State Great Service Medal and Certificate"** in recognition of their excellent work in engineering and contracting in Turkey and abroad.

**1990** Establishment of the İnanc Foundation with the goal of providing free education for gifted but economically disadvantaged high school students.

**1992** Construction of the Galata Bridge for which the combination of diameter, length and quantity of piles ranks **the foundation of this bridge amongst the largest known in engineering**.

**1992** Construction of two sections of the Indus Highway. STFA becomes **the first Turkish contractor in Pakistan**.

**1992** Construction of **the highest chimney ever built in Turkey** with a height of 275 m for the Orhaneli Thermal Power Plant Project.

**1994** Completion of a 500 kV, 374 km Energy Transmission Line. STFA's **first project in Turkmenistan**.

**1995** Construction of **Turkey's first LNG Terminal Project**.

**1997** Completion of a 735 kV Bosphorus Energy Transmission Line Crossing in Istanbul, Turkey.

**1998** 500 kV Egypt - Jordan Interconnection Project building the intercontinental connection between Asia and Africa.

**1998** Manufacturing and placing of a 1600 mm diameter HDPE pipe at a water depth of 50 meters for the **first time in the world** for the Antalya Sea Outfall Project.

**2000** Sohar Port works. STFA becomes **the first Turkish contractor in Oman**.

**2000** Lakhdaria-Bouria Highway Tunnel works. STFA's **first contract in Algeria**.

**2000** Ras Laffan Port Service Berth works. STFA becomes **the first Turkish contractor in Qatar**.

**2001** Piled Foundation works for DMRC Viaducts from Trinagar to Rithala. STFA's **first contract in India**.

**2003** **Establishment of ECAP** to continue and enhance delivering innovative engineering solutions and consultancy services along with project management by utilizing the know-how accumulated within the STFA Construction Group over the years.

**2004** **Completion of 1795 meters of tunnel excavation works in 2.5 months** for the King Khalid Tunnel Project in Saudi Arabia.

**2005** **Establishment of the Al Habtoor -STFA Soil Group L.L.C. in Dubai** with the local Al Habtoor Engineering Enterprise Co. L.L.C.

**2007** Manifa Causeway Project, **Longest Bridge in Saudi Arabia**.

**2007** Duqm Port in Oman; Construction of **one of the World's largest port commences**.

**2008** EPIC for Container Terminal Berth 7 in Qatar; STFA is awarded its **largest EPIC Contract**.

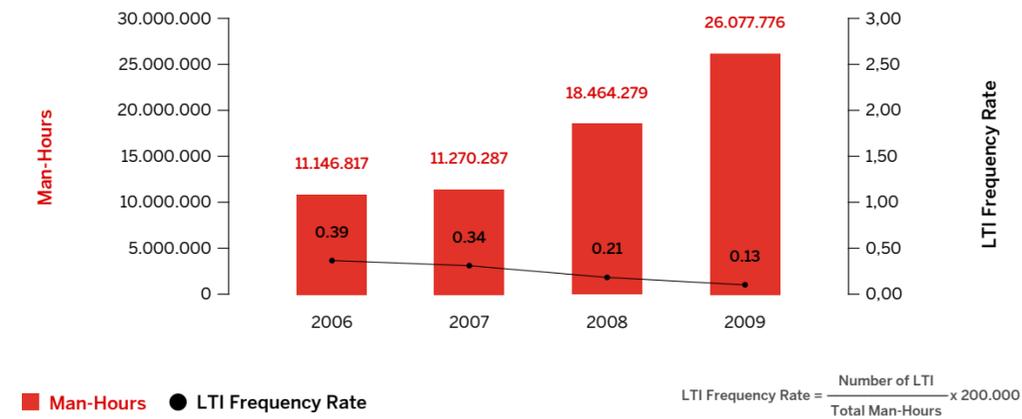
**2009** Construction Group's **annual turnover reaches peak figure of 700 Million USD**.

MILESTONES

# HSE Performance & Awards

Date	Project Name	Employer	Award
2009	Manifa Field Causeway Project, S.Arabia	Saudi.Aramco	5 Million Man-Hours Without LTI
2009	Qatargas Berth 6 Project, Qatar	Qatargas	One year - Injury Free
2008	Qatargas Berth 6 Project, Qatar	Qatargas	1 Million Man-Hours Without LTI
2008	Hubara-Sahmah & Sahmah-KP114 Pipeline Project, Oman	Petroleum Development Oman LLC.	1 Million Man-Hours & 1 year without LTI
2001 - 2007	RasGas Phase 1 Expansion Projects, Qatar	RasGas Company Limited	Successful Completion of RasGas Phase 1 Expansion Projects
2006	RGX Onshore Projects, Qatar	RasGas Company Limited	20 Million Man-Hours Without LTI
2006	RGX Onshore Projects, Qatar	RasGas Company Limited	10 Million Man-Hours Without LTI
2006	Sohar Aluminium Smelter Project, Oman	Sohar Aluminium	5 Million Man-Hours Without LTI
2004	RasGas Phase 1 Expansion Projects, Qatar	RasGas Company Limited	10 Million Man-Hours Without LTI

## Construction Group



“Meeting & exceeding standards on QHSE”



Ports & Harbors  
Jetties, Terminals, Quay Walls & Causeways  
Water Intakes & Outfalls

Marrine

# Ports & Harbors

- Rubble Mound & Caisson Type Breakwaters
- Shore Protection & Revetments
- Dredging & Reclamation
- Marinas
- Offshore Moorings

STFA is recognized as one of the **most prominent turnkey marine contractors worldwide**. Marine construction is one of the company's core strengths. STFA offers its clients a wide range of services in this field ranging from feasibility studies to construction of any type of port, Harbor, jetty and breakwater on an EPC basis.

STFA has successfully completed numerous large marine projects in the Indian Ocean, the Gulf, the Red Sea, the Mediterranean, the Black Sea and the Caspian Sea.

### Projects:

- Duqm Port, Oman
- Ormara Naval Base, Pakistan
- Tripoli Harbor, Libya
- Misurata Steel Complex Port, Libya
- Turkmenbashi Port, Turkmenistan
- Gabes Port, Quay No: 9 & 10 Service Berth, Tunisia
- Jask, Qeshm and Bandar Lengeh Ports, Iran
- Kuşadası Yacht Harbor, Turkey
- Ereğli Port, Black Sea, Turkey



Jask Port, Iran



Gabes Port, 3000 ton Caisson Launching, Tunisia



Misurata Steel Complex Port, Libya



Turkmenbashi Port, Turkmenistan



**STFA Experience**  
 Breakwaters : 32,000 m  
 Dredging : 33,500,000 m<sup>3</sup>  
 Sea Reclamation: 12,000,000 m<sup>3</sup>

Duqm Port, Oman



Brega Port Renovation Project, Libya



Ormara Naval Base, Offshore Breakwater, Pakistan

# Jetties, Terminals, Quay Walls & Causeways

- Gravity Type Quay Walls & Piers
- Piled Jetties
- Dolphins
- Composite Berthing Structures

STFA has executed complex projects and provided turnkey services in the construction of LNG terminals, oil terminals, piers, berths, train ferry terminals, slipways, dry-docks and ship lifts.

## Projects:

- EPIC for Container Terminal (Berth 7) at Mesaieed Port, Qatar
- EPIC for Gabbro Berth Expansion Project, Package 1, Qatar

- Ras Laffan LNG Loading Berth No: 3 & 4 and Flares, Qatar
- Ras Laffan Port New Service Berth, Qatar
- Manifa Causeway, Saudi Arabia
- Yanbu Oil Jetty, Saudi Arabia
- Sohar Port Quay Walls & Berthing Structures, Oman
- Seven Berths in Karachi Port, Pakistan
- Benghazi Oil & Gas Terminal, Libya
- 150,000 DWT Bulk Berth, Misurata Steel Complex Port, Libya
- BOTAS LNG Terminal, Turkey
- Belde Container Port, Turkey
- Samsun Ferry Terminal, Turkey
- Iskenderun Ship Lift Facility, Turkey

Sohar Port, Bulk Liquid Berth, Oman



EPIC for Container Terminal (Berth 7) at Mesaieed Port, Qatar



Common Lean LNG Loading Facilities Berth 6, Qatar



Sohar Quay Wall & Berthing Structures, Phase I, Oman

## STFA Experience

Jetties/Quay walls: **70,000 m**  
 Piling : **1,450,000 m**  
 Sheet Piling : **280,000 m<sup>2</sup>**

EPIC for Gabbro Berth Expansion, Package 1, Qatar



# Jetties, Terminals, Quay Walls & Causeways



Manifa Causeway, Saudi Arabia



Benghazi Oil & Gas Terminal, Libya



Misurata Oil Jetty, Libya



Common Lean LNG Loading Facilities Berth 6, Qatar



Manifa Causeway, Saudi Arabia

# Water Intakes & Outfalls

- Precast Intake Structures
- Pump House Structures
- Underwater Discharge & Intake Pipelines
- Underwater Precast Concrete Culverts
- Rubble Mound Water Intake Basins & Structures

STFA designs and builds water intake and outfall structures. Client requirements and specifications are fulfilled with individually tailored and innovative engineering solutions.

Special techniques and state-of-the-art equipment are used to implement projects. Vented S-bending, bottom-tow and underwater multi-segment assembly techniques can be used for near-shore laying of pipelines. STFA can install up to 1,000 ton reinforced concrete culvert segments and water intake structures using its own marine fleet.

#### Projects:

- Seawater Intake System for Sohar Industrial Area, Oman
- Saida Sea Outfall, Lebanon
- Küçüksu Sea Outfall, Turkey
- İskenderun Power Plant, Intake and Discharge Line, Turkey
- Marmara Ereğli Power Plant, Intake and Discharge Line, Turkey
- Antalya Sea Outfall, Turkey
- Büyükçekmece Outfall, Turkey
- Ahırkapı Sea Outfall, Turkey
- Ova Power Plant Water Intake, Turkey

**STFA Experience**  
Intakes/Outfalls : **33,000 m**



Küçüksu Sea Outfall, Istanbul, Turkey



Natural Gas Power Plant, Diliskelesi, Turkey



Seawater Intake and Return System for Sohar Industrial Area, Oman



Antalya Sea Outfall, Turkey

Second Bosphorus Bridge, Istanbul, Turkey

Roads  
Bridges  
Tunnels  
Dams and Hydrological Projects  
Water Treatment Plants  
Buildings

# Civil Infrastructure





Büyükdere Interchange, Istanbul, Turkey



Izmit-Adapazarı Motorway, Turkey



Lahore By Pass of the M2 Motorway, Pakistan



Quriyat-Sur Expressway, Oman



# Roads

- Roads
- Motorways
- Taxiways & Runways

Over sixty five years of experience in highway and bridge engineering and construction makes STFA one of Turkey's leading road construction companies operating in the international road construction sector.

STFA built the 230 km section of the Trans-European Motorway in Turkey, including bridges, viaducts and tunnels, as well as the foundations and anchors of the Second Bosphorus Bridge in Istanbul.

Projects:

- 62 km Quriyat-Sur Expressway, Oman
- 230 km of the Trans-European Motorway, Turkey
- Lahore By-Pass of the M2 Motorway, Pakistan
- 160 km of the Indus Highway, Pakistan

## STFA Experience

Roads:

**700 km**

Earthworks:

**160,000,000 m<sup>3</sup>**

Concrete Works:

**8,585,000 m<sup>3</sup>**

Subbase/Base/Asphalt:

**8,175,000 m<sup>3</sup>**



**STFA Experience**  
Bridges/Viaducts : **85,000 m**



New Galata Bridge, Istanbul, Turkey



Ravi Bridge Lahore By-Pass, Pakistan



New Galata Bridge, Istanbul, Turkey



2160 m long Karasu Viaduct, Turkey

## Bridges

- Precast Beam Bridges
- Incrementally Launched Bridges
- Free Cantilever Bridges
- Suspension Bridges
- Steel / Composite Bridges
- Cable Stayed Bridges
- Aqueducts

STFA is proud to take major part in the construction of the Second Bosphorus Bridge and its motorways network. The project was completed in 1994 with a contract value of US\$1.2 billion.

STFA also constructed the Istanbul Galata Bridge which is one of the biggest Bascule Bridge ever built. The combination of diameter, length and quantity of piles ranks the foundation of this bridge amongst the largest known in engineering.

### Projects:

- Manifa Causeway, Saudi Arabia
- Second Bosphorus Bridge, Istanbul, Turkey
- Ravi and Kurram Bridges, Pakistan
- New Galata Bridge across the Golden Horn of Istanbul, Turkey
- Kınalı-Edirne Motorway, Turkey
- Karasu Viaduct, the longest bridge in Turkey
- Kömürhan and Tohma Bridges across the Euphrates, Turkey



Kömürhan Bridge, Turkey  
"First bridge built with free cantilever method in Turkey"



Wadi Daiqah Bridge, Oman



Manifa Causeway, Saudi Arabia



King Khalid Bridge Approach Tunnels, Makkah, Saudi Arabia



Full Face TBM



Lakhdaria-Bouria Highway Tunnel, Algeria



Adana Water Supply, T1 Tunnel, Turkey



# Tunnels

- Road Tunnels
- Sewage Tunnels
- Power Tunnels
- Water Conveyance Tunnels
- Shafts

STFA has in excess of 45 years' experience in tunneling and has completed over **100 kms** of tunnels in varying soil conditions and terrain, including soft ground conditions and hard rock strata. STFA has the know-how and the equipment to implement various tunneling techniques, including conventional drill and blast, full face, road-header tunnel boring machines, and pipe-jacking.

The company provides **turnkey services** for tunnel projects.

### Projects:

- Melen Bosphorus Tunnel Crossing, Turkey
- 22 km of Istanbul Sewerage Tunnel Network, Turkey
- İzmit By-Pass Motorway Tunnels, Turkey
- Submarine shelters on the Black Sea coast, Turkey
- 15 km of tunnels in the Holy City of Makkah, Saudi Arabia
- Gandaf Hard Rock Tunnel, Pakistan
- Lakhdaria Motorway Tunnels, Algeria
- Several underground military shelters, Libya

### STFA Experience

Tunnels: **100,000 m**

- Tunneling by TBM
- Conventional Tunneling (incl. NATM)
- Pipe - Jacking
- Cut & Cover
- Shaft Sinking
- Micro Tunneling



Great Man Made River Project, Sirt End Reservoir with 6.8 million m capacity, Libya



Muna Reservoir, Saudi Arabia  
"A cable-stayed bridgelike roof structure"



Jeddah Drainage Channel Box Culvert, Saudi Arabia



Abu Zayan Concrete Reservoir with a capacity of 300,000 m<sup>3</sup>- Libya



6000 m<sup>3</sup>/h Water Pumping Station, Makkah, Saudi Arabia



Pehur High Level Canal, Pakistan

**STFA Experience**

Earthworks : 162,000,000 m<sup>3</sup>  
 Concrete Works : 8,000,000 m<sup>3</sup>  
 Water Mains/Sewers : 1,850,000 m

## Dams and Hydrological Projects

Sazlıdere Rock Fill Dam with a reservoir capacity of 91.3 million m<sup>3</sup>, Turkey



- Rock & Earthen Dams
- Concrete Dams
- Water Reservoirs
- Irrigation & Drainage Networks
- Water Supply Tunnels
- Sewerage networks
- Pump Stations

STFA has played a leading role in the design and construction of potable water supply, irrigation, dam, and reservoir projects and has brought numerous innovative solutions to the water supply problems of the city of Istanbul.

Projects:

- Sirte End Reservoir of Great Man Made River Project, Libya
- Abu Zayan Concrete Reservoir with a capacity of 300,000 m<sup>3</sup>, Libya
- Muna Reservoir, Makkah, Saudi Arabia
- Jeddah Drainage Channel Box Culvert, Saudi Arabia
- Water Transmission Main & Pumping Station in Makkah, Saudi Arabia
- Kadıncık II Hydro Electric Power Project, Turkey
- Sazlıdere Dam, Turkey
- Istranca River Urgent Water Supply Project, Turkey
- Pehur High Level Canal Project, Pakistan
- Ormara Water Supply Project, Pakistan

# Water Treatment Plants

- Sewage Treatment Plants
- Potable Water Treatment Plants

STFA's activities in this field range from design and construction to commissioning plant facilities.

Projects:

- 250,000 m<sup>3</sup>/day capacity Adana Potable Water Treatment Plant, Turkey

- 648,000 m<sup>3</sup>/day capacity Küçüksu Sewage Pretreatment Plant, Turkey
- Industrial Wastewater Treatment Plant in Hereke, Turkey
- 1,000 ton/day Solid Waste Sorting Plant, Ankara, Turkey
- 30,000 m<sup>3</sup>/day capacity Sirte Sewage Treatment Plant, Libya
- Integrated Infrastructure Project of Jufra Area, Libya



Integrated Infrastructure Project of Jufra Area, Libya



250,000 m<sup>3</sup>/day capacity Adana Potable Water Treatment Plant, Turkey



Sirt Sewerage Treatment Plant, Rapid Sand Filter, Turkey

1100 lt/sec Sirt Sewage Treatment Plant, General Layout, Libya

## STFA Experience

Earthworks : 162,000,000 m<sup>3</sup>  
 Concrete Works : 8,000,000 m<sup>3</sup>  
 Water Mains/Sewers : 1,850,000 m





Souk Al Ahad 2000 Housing Units and Infrastructures in Tripoli, Libya

**STFA Experience**  
 Covered Area: **1,670,000 m<sup>2</sup>**

## Buildings

- Residential Complexes
- Commercial Buildings
- Industrial Buildings
- Airport Facilities
- Military Facilities
- Educational Buildings
- Hospitals
- Mosques
- Monuments

STFA's experience includes construction of a wide range of industrial, retail, touristic, and residential buildings, as well as entire master planned communities.

### Projects:

- Souk Al Ahad 2000 Housing Units and Infrastructures in Tripoli, Libya
- 2,200 housing units, utilities and infrastructure in Juffra, Libya
- Fiat Truck Factory in Tagjura, Libya
- Tripoli Naval Headquarters, Libya
- Turkish Embassy at Islamabad, Pakistan
- Kozyatağı Residential Complex, Turkey
- Istanbul Princess Hotel, Turkey
- Istanbul Holiday Inn Hotel, Turkey
- Metro Hypermarkets, Turkey
- Carrefour Hypermarkets, Turkey



Azzawiya Oil Refinery Guesthouse, Libya



2200 Housing Units, Juffra, Libya



Islamabad Turkish Embassy Building, Pakistan



Kozyatağı Housing Complex, Istanbul, Turkey

1000 m<sup>3</sup> LPG Spherical Tanks, Libya

Oil & Gas Projects  
Power Plants  
Power Transmission Lines



Oil & Gas & Power

# Oil & Gas Projects

- Oil & Gas Onshore & Near-shore Pipelines
- Oil & Gas Terminals
- Refineries & Petrochemical Plants

STFA is an international contractor with vast experience serving the oil and gas industry. Its clients include some of the leading international companies in the Engineering and Construction, Oil and Gas Refining, and Petrochemicals Industries.

Projects:

- Marmara Ereğlisi LNG Terminal of BOTAS, Turkey
- İzmir Refinery Naphta Merox and Kerosene Merox Units of TÜPRAŞ, Turkey (Turnkey)
- 300 km Ø 48" Turkey-Iran Gas Pipeline of BOTAS, Turkey
- 212 km Bursa-Çan Gas Pipeline of BOTAS, Turkey
- 60 km Ø 32" Bilecik-Bozöyük Gas Pipeline of BOTAS, Turkey
- Benghazi Oil Gas Terminal & Pipelines of Brega Petroleum Marketing Co., Libya (Turnkey)
- LPG Recovery Plant of Azzawiya Oil Refining Co., Libya (Turn-key)
- Reconstruction of Misurata Oil Jetty of Brega Petroleum Marketing Co., Libya
- 216 km Hubara-Quarn Alam Gas Pipeline of PGO, Oman

## STFA Experience

Gas Pipelines : **920,000 m**  
Storage Tanks : **662,500 m<sup>3</sup>**



Aliaga Refinery Naphta Merox Plant, Turkey



Benghazi Oil Jetty, Libya



LNG Tank Piping Works, Turkey



216 km Hubara-Quarn Alam Gas Pipeline of PDO, Oman



Marmara Ereğlisi LNG Terminal, Turkey  
"First LNG Terminal ever built in Turkey"  
3x85,000 m<sup>3</sup> Cryogenic LNG Tanks



1x210 MW Orhaneli Thermal Power Plant, Turkey. Highest chimney (275 m) ever built in Turkey

# Power Plants

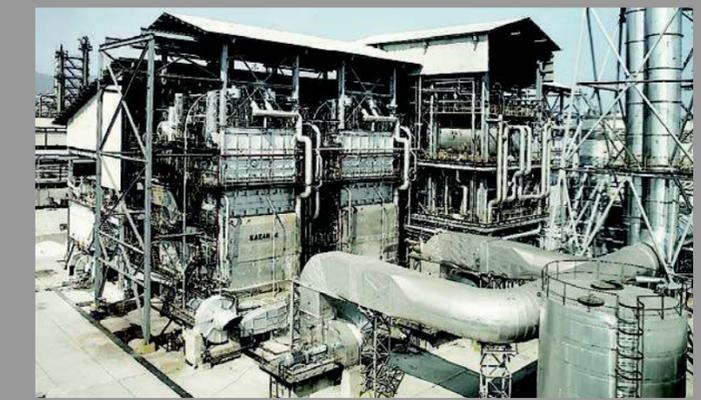
- Thermal Power Plants
- Hydroelectric Power Plants
- Transformers, Substations and Switchyard Installations

STFA offers civil, electrical, and mechanical engineering consulting, plans and specifications for power and desalination plants to meet the requirements of leading EPC contractors.

Based on the individual requirement of each project, STFA forms a team that combines its technical capability and know-how with the experience of its chosen specialised partners and subcontractors.

### Projects:

- 210 MW Orhaneli Coal Fired Thermal Power Plant, Turkey
- 70 MW Özlüce Hydro Electric Power Plant, Turkey
- Aliğa Refinery 4x75 ton/hr Boiler Plant, Turkey
- 100 ton/hr Boiler Plant and Auxiliary Facilities, Karabük, Turkey
- Substations and Series Capacitor Banks of Atatürk Dam 2.400 MW HEPP, Turkey
- East/West Interconnecting System, Turkey
- Construction of 51 Transformer Substations, Iraq



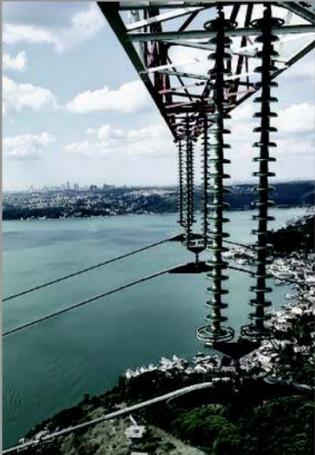
4x75 tons/hr Steam Boilers, Tüpras, İzmir Refinery, Turkey



Turbine Building, Orhaneli Thermal Power Plant, Turkey

# Power Transmission Lines

- Railway Electrification & Signalization
  - Fiber-Optic, Coaxial Cable Network
  - MV-LV Distribution Networks
  - HV Transmission Lines
- STFA provides all services for coaxial PDH/SDH cabling and fiber optic cabling (including OPGW).
- Projects:
- 735 kV Third Istanbul Bosphorus Crossing, Turkey
  - 400 kV Atatürk Dam Lines, Turkey
  - Signalization of Eskişehir-Ankara Railway, 255 km, Turkey
  - 400 kV 500 km Tripoli-Sirte Transmission Line, Libya
  - 220 kV 380 km GMMRA Transmission Line, Libya
  - 500 kV 378 km Dashkhowuz-Seydi Transmission Line, Turkmenistan
  - 500 kV Suez Canal Crossing, Egypt
  - 225 kV Interconnecting Systems, Lebanon, Jordan and Egypt
  - 220 kV Nile River Crossing, Egypt
  - 220 kV 179 km Um Al-Nor Ain Transmission Line, UAE



735 kV Third Istanbul Bosphorus Crossing, Turkey



500 kV Suez Canal Crossing, Egypt



220 kV GMMRA Project, Libya



400 kV 500 km Tripoli-Sirte Transmission Line, Libya



**STFA Experience**

H.V. Transmission Lines	: 11,500 km
Stringing of OPGW in H.V.T. Lines	: 2,000 km
Manufactured Galvanized Tower	: 260,000 tons
Telecommunication Cabling	: 8,000 km
Towers	: 28,600 nos

400 kV Atatürk Dam Lines, Turkey

Grading, Compaction, Soil Remediation and Foundation Works  
Geotechnical Investigation & Analysis

# Foundation and Soil Engineering

### STFA Experience

Piles : 3,530,000 m  
Mini Piles : 265,000 m  
Sheet Piling : 330,000 m  
Jet Grouting : 660,000 m



City of Lights,  
Abu Dhabi,  
UAE



Jumeirah Beach Residence,  
Dubai, U.A.E.



Rades La Goulette  
Bridge, Tunisia



Ritz Carlton Hotel  
Anchored Retaining Wall,  
Turkey



The Palm Jumeirah  
Shoreline Apartments,  
Dubai, U.A.E.



Marmaray Project, Tem-  
porary Dry Docks 1&2,  
Turkey



Algiers Metro, May 1<sup>st</sup>  
Station Tunnel, Algeria

# Grading, Compaction, Soil Remediation and Foundation Works

- Thin Walls
- Excavation Retaining Systems
- Wick Drains
- Mini Piling
- Soil & Rock Anchors
- Diaphragm Walls
- Jet Grouting
- Bored Cast in situ Piling
- Vibro Piling
- CFA Piling
- Underpinning
- Dewatering

STFA provides all types of services in geotechnical engineering and contracting. Up-to-date technology, strong logistic capability and in-house manufacturing facilities allow STFA to economically cover a wide range of specialty soil improvement/remediation and foundation work requirements. Comprehensive solutions are offered for tunnels, subways, caverns, galleries, dams, high-rise buildings, pipelines, highways and marine structures.

Rock drilling with the reverse circulation method is extensively applied in projects. STFA is capable of drilling/driving piles of 3000 mm diameter and lengths of 100m.

### Projects:

- Abu Dhabi Grand Mosque Piling Works, Abu Dhabi, UAE
- Jumeirah Beach Residence, Dubai, U.A.E
- 11 Towers with Podium at Business Bay, Dubai, U.A.E.
- City of Lights, Abu Dhabi, UAE
- Al Nasr Sports Club, Dubai, UAE
- Octavian Towers, Dubai, UAE
- Rixos Ottoman Palace Hotel, Dubai, UAE
- The Lagoons, Dubai, UAE
- Birecik Dam Thin Wall Construction, Turkey
- Keban Dam Weir Improvement, Turkey
- Marmaray Project, Dry Docks 1&2, Turkey

# Geotechnical Investigation & Analysis

- Field & Laboratory Testing
- Offshore Investigation Works
- Onshore Investigation Works

STFA adheres to a policy of "Reliability, Quality and Experience" policy with all of our soil investigation works. Our services cover a wide range of activities such as; offshore and onshore geotechnical investigations, field and laboratory tests, geotechnical reporting, raw material investigations, soil improvement and remediation works and bathymetry, sub-bottom, side scan surveys and current, tide, and wave measurement in Turkey and all other countries wherever quality and experience is demanded.

With respect to external construction projects and soil investigations, STFA has been registered since

1974 in Libya by the Foreign Investment Board, the Ministry of Economy under 'TEMEL Investigation Inc.' and has acquired a great wealth of information and knowledge of Libyan geology and terrain.

Projects:

- GMMRA, Great Man Made River Project Phase I-II-III-IV, Geotechnical Investigations, Libya
- PETRONAS, Carigali Turkmenistan Block I Project, Geotechnical Investigations, Turkmenistan
- PENTA OCEAN, Bourgas Port Project, Offshore Geotechnical Investigations, Bulgaria
- ROMPETROL, Midia Marine Terminal SPM Buoy Project, Offshore Geotechnical Investigations, Romania
- TAISEI, Marmaray Railway Bosphorus Tube Crossing Project, Geotechnical Investigations, Turkey



Rom Petrol Midia Marine Terminal SPM Offshore Soil Investigation Works, Romania

Marmaray-Railway Bosphorus Tube Crossing, Turkey

Marmaray-Railway Bosphorus Tube Crossing, Turkey

Soil Investigation Works in Tripoli, Libya

Garabulli Tank Area, Bridge 1,2&3 Geotechnical Investigations, Libya

Western Libya Gas Project Supply Base & Tugboat Harbor Offshore & Onshore Soil Investigation Works, Libya

**STFA Experience**  
Drilling: **610,000 m**



Engineering & Project Management Services  
Engineering & Consultancy Services  
Structural Condition Assessment & Retrofitting  
Quality Control & Auditing

Engineering &

Project Management



ECAP is a unique company within the STFA Group that provides engineering consultancy and project management services. It offers integrated multi-disciplinary solutions to complex projects drawing upon our vast experience gained in more than 70 years of STFA activities.

**CAPABILITIES INCLUDE**

**Engineering & Consultancy Services**

- Civil Engineering
- Marine Engineering
- Structural Engineering
- Geotechnical Engineering
- Earthquake Engineering
- Hydraulic Engineering
- Architectural & Landscaping Design
- Urban Development

**Engineering & Project Management Services**

- Engineering Management
- Project Management
- Staff Augmentation
- Construction Claims Consultancy

**Structural Condition Assessment & Retrofitting**

**Quality Control & Auditing**



Container Terminal (Berth 7) at Mesaieed Port, Detailed Design and Eng. Management, Qatar



Gabbro Berth Expansion Project (Phase 1) Detailed Design and Engineering Management, Qatar



Pars Petrochemical Port, Construction Management Consultancy, Iran



Kuyumcukent Project Management Services, Istanbul, Turkey



Izmir LRT Project Phase 2, Engineering Consultancy and Supervision Services, Turkey



Construction Supervision Services, Libya

# Engineering & Project Management Services

**Engineering & Project Management**

- Prioritizing Project Objectives
- Planning, Scheduling & Resource Management
- Problem Identification & Selection of Solutions
- Budget Development & Cost Tracking
- Risk Management
- Supervision of Construction Activities
- Contract Administration
- Construction Methodology Development
- Scheduling & Monitoring
- Procurement Management
- Start-Up & Commissioning

**Staff Augmentation**

- Key Personnel Augmentation
- Experienced Field Staff
- Personnel Training

**Construction Claims Consultancy**

- Claims Consultancy
- Cost & Damage Assessment
- Delay & Disruption Analysis

# Engineering & Consultancy Services

Preliminary and detailed design, cost estimation, bid and tender documents preparation, master planning, construction supervision, structural condition assessment, repair and remediation, retrofitting and strengthening design of existing structures are some of the main services provided in the fields of:

- Civil Engineering
- Marine Engineering
- Structural Engineering
- Geotechnical Engineering
- Earthquake Engineering
- Hydraulic Engineering
- Architectural & Landscaping Design
- Urban Development



EPIC for Gabbro Berth Expansion, Package 1, Qatar



New Galata Bridge on Golden Horn, Turkey



Feasibility Study for Development of LISCO Harbor, Libya



Belde Port Facilities, Turkey



Gabbro Berth Expansion Project (Phase 1)  
Detailed Design and Engineering Management, Qatar



Manifa Causeway, Saudi Arabia



Manifa Causeway, Saudi Arabia

## Structural Condition Assessment & Retrofitting

- Inspection
- Condition Surveys
- Testing of Existing Materials & Components
- Performance Testing
- Repair, Retrofitting and Strengthening Design of Existing Structures



Condition Assessment for Zueitina Oil Terminal, Libya



Rehabilitation & refurbishment of IDBC jetty at Port Qasim, Pakistan

- Quality Assurance & Quality Control
- Non-Destructive Testing (NDT)
- Data Collection for Seismic Evaluation
- Post-Earthquake Damage Assessment
- Corrosion engineering & cathodic protection design

## Quality Control & Auditing



STFA is known for improving your bottom line by providing integrated solutions for design and engineering that result in more accurate budgets and precise project completion times. In an extremely competitive market, **STFA has distinguished itself from its competitors by providing world class service and solutions delivered by proven professionals.** STFA employs ambitious, committed, and hard-working men and women who aspire **to excellence through continuous learning and development.**

Our highly supportive corporate values encourage STFA engineers to flourish in an environment where they have the individual freedom to develop creative, unique solutions in response to challenging and unprecedented circumstances.

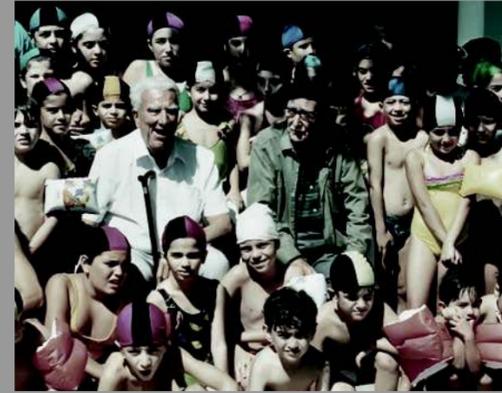
Superior project leadership is provided by seasoned executives who have developed and honed their skills from many years of experience within our ranks.

Our company is committed to investing in our employees' careers and personal development. Through in-house mentoring and coaching programs, the company provides young STFA workers with direct access to senior professionals who have the mandate to serve as role models. **Young staff benefit from their mentors' unique experiences, learn about the company's core values that are embedded into our systems, and strive to pass these on.** Carefully selected and strategically oriented internal and external training and development programs are aimed at providing STFA staff with the tools and skills required to overcome the challenges they may encounter, thereby contributing to the organization's success.





Inanç High School students and teachers



Sezai Türkes and Feyzi Akkaya with children

Sezai Türkes and Feyzi Akkaya, the founding partners of STFA, believed that a solid education is the backbone of a prosperous society. With this principle in mind and their dedication to contribute to the education of Turkish youth, they established two educational foundations for the specific purpose of enhancing the future of their country.

#### Inanç Foundation

The Inanç Foundation was established in 1990 by Sezai Türkes and his daughter Tomris Taşkent to provide a high quality, free education for gifted but economically disadvantaged children. The Inanç High School was established by the Foundation, and opened in 1993. Inanç High School's mission is to promote the academic, social, emotional and physical development of each student in order to prepare them as future world leaders. In 2002 Inanç High School was donated to the Turkish Education Foundation.

#### Feyzi Akkaya Temel Education Foundation

Feyzi Akkaya founded the Feyzi Akkaya Temel Education Foundation in 1978. The foundation's principal purpose is to train intermediary technical staff. The foundation accomplishes this goal by granting scholarships to students seeking training in Technical and Vocational High Schools in Turkey. The foundation also contributes to the Ministry of National Education by building schools and providing educational equipment. The Feyzi Akkaya Temel Education Foundation grants approximately 3,000 scholarships a year.



Inanç High School for gifted children, Istanbul, Turkey



Bayramoğlu Sezai Türkes Feyzi Akkaya Anadolu Technical High School, Istanbul, Turkey

## Construction Related Products



#### SIF JCB Construction Equipment

Since its founding by Sezai Türkes and Feyzi Akkaya in 1956 as a subsidiary of STFA and Isiklar Holding, SIF Otomotiv has shown steady growth as a key player in the construction equipment sector

As the distributor of JCB, SIF JCB İş Makinaları is responsible for all sales and marketing operations of JCB-branded machines in Turkey, with points of sales in Istanbul, Adana, Ankara, Antalya, Diyarbakır, Trabzon and 30 service stations. The world famous mobile crusher, Rubblemaster, is available in Turkey through SIF. SIF JCB İş Makinaları consistently works to deliver the best quality service to its customers throughout the country.

T : 90 (216) 352 00 00 (pbx)  
F : 90 (216) 352 10 04  
jcb@sif.com.tr  
www.sif-jcb.com.tr



#### GRACE Construction Products

GRACE Construction Chemicals Industry and Trading is a leading construction chemicals manufacturing and trading company in Turkey, established in partnership with W.R.GRACE & Co. of the United States. GRACE is a premier specialty chemicals and materials company noted for its experienced employees and strong customer relationships.

T : 90 (216) 593 09 70 (PBX)  
F : 90 (216) 593 09 63  
meliha.erdiker@grace.com  
www.tr.graceconstruction.com

## Utilities



#### Energaz Gas, Electricity and Water Distribution Company

Energaz Gas, Electricity and Water Distribution Company was founded for the purpose of building and operating city-wide gas distribution networks in Turkey. Over the past thirty years, Energaz has established eleven gas distribution concessions, all of which are green projects. The Company is currently operating in twelve cities in Turkey, serving 500,000 subscribers.

T : 90 (216) 665 13 00  
F : 90 (216) 665 13 01  
info-energaz@energazenerji.com.tr  
www.energazenerji.com.tr

## Outsourcing Services



#### SOFRA Group

SOFRA Group is one of the largest food and support services organisation in Turkey, with contracts for catering, vending, and support service solutions to factories, schools, universities, and hospitals in urban as well as remote areas of Turkey. With operations managed by 10 regional offices, SOFRA Grup provides services to over 47 cities in the country. The company is a partnership between STFA and one of the world's leading food and support services organization, Compass Group PLC.

T : 90 (216) 578 97 00  
F : 90 (216) 578 97 08  
info@sofragrup.com  
www.sofragrup.com



#### STFA Machine Trading Company

Universal Handlers has been a sector leader in forklift rental services since 2003. Universal Handlers offers forklift rental services (with or without machine operators), providing many different forklift brands, together with highly-skilled technicians and maintenance back-up upon demand. Like other STFA companies, STFA Machine Trading Company aims for maximum customer satisfaction by providing professional solutions and seamless service to customers.

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- 1<sup>st</sup> Turkish contractor in 9 countries across Middle East, Africa & Asia
- Construction of the 1<sup>st</sup> 154 kV Energy Transmission Line in Turkey
- Realization of 1<sup>st</sup> telephone network of Turkey
- 1<sup>st</sup> Submarine Base in Turkey
- 1<sup>st</sup> utilization of TBM in Turkey
- Construction of Turkey's 1<sup>st</sup> LNG Terminal
- 1<sup>st</sup> utilization of incremental launching method in bridge construction, Turkey
- In 1990, founders received Turkey's 1<sup>st</sup> "State Great Service Medal" for their excellent

## we know how

contribution to engineering and contracting

- Design & manufacture of 3000 ton gantry crane for Gabes Harbor, Tunisia, 1987
- Galata Bridge, world's biggest bascule bridge, Turkey, 2002
- Suspended roof of one million cubic meter water reservoir in Saudi Arabia, 1986
- Kinalı-Sakarya Motorway, world's largest highway project, Turkey, 1993
- Bosphorus Bridge with 1090 m of main span, Turkey, 1993
- 216 m long Karasu Viaduct, longest bridge built in Turkey, 1993.