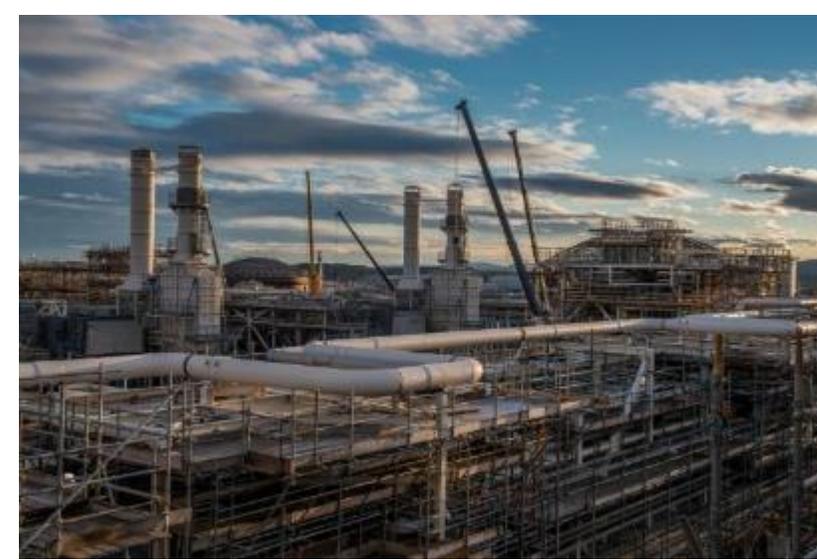




OFF THE JOB SAFETY



TEKFEN CONSTRUCTION



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ABOUT TEKfen CONSTRUCTION

Tekfen Construction, a leading corporation in challenging fields of contracting but also a studious environmentalist, traces its roots to an engineering consulting company established in 1956 in Turkey.

An affiliate of Tekfen Holding, Tekfen Construction is a respectable name in the international contracting arena with over 300 projects successfully completed in Turkey, the Middle East, North Africa, Caucasia & Central Asia, and East & Central Europe. Its wide span of activities range from heavy civil works to refineries and petrochemical plants; from satellite towns to large industrial processing plants; from pipelines and marine structures to power plants, electrical and communication works.

With its sister companies in engineering and steel manufacturing as well as strategic partnerships, Tekfen is a dynamic and sought-after EPC contractor, specialising in oil&gas, pipeline, infrastructure and civil works.

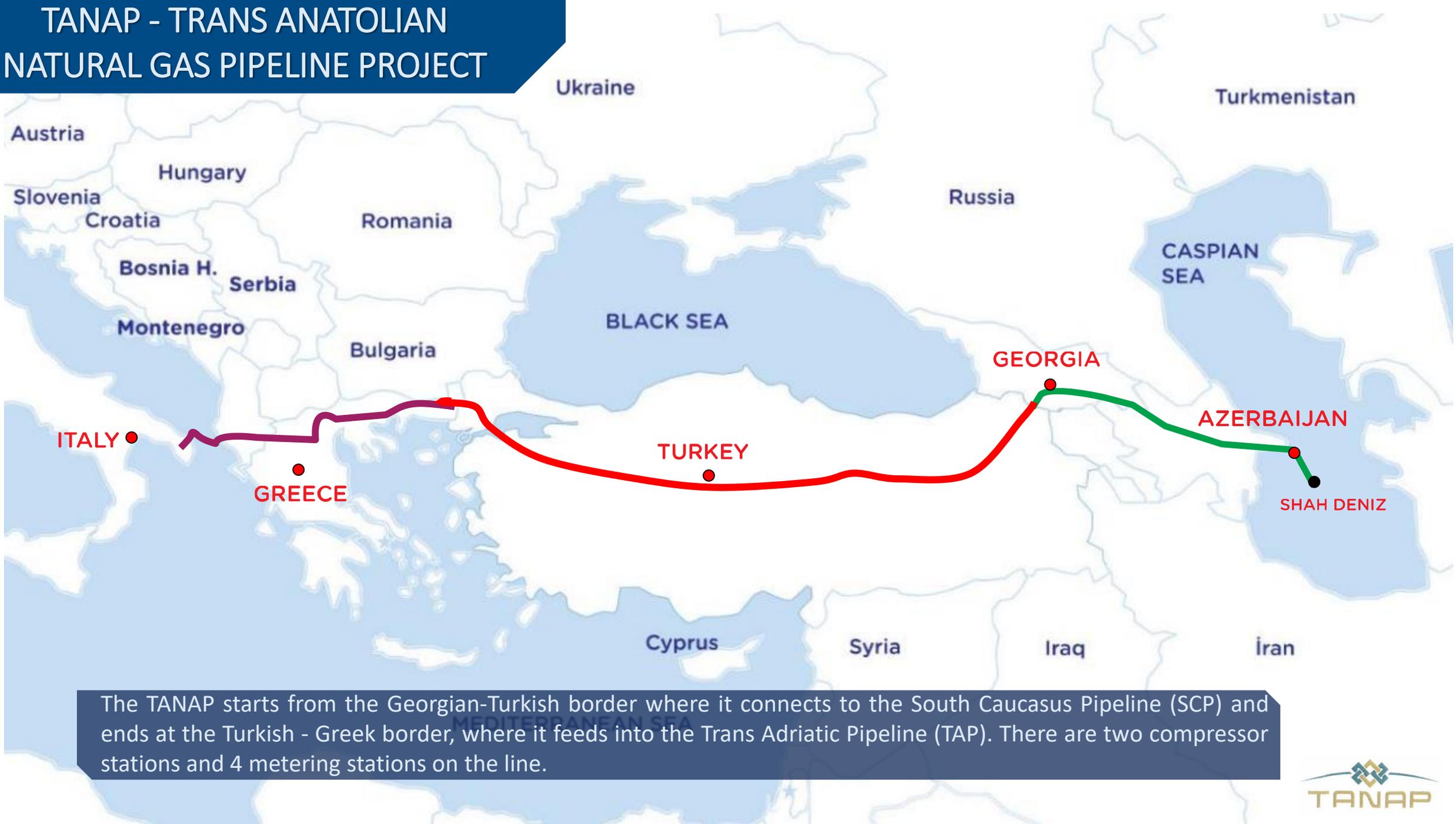
As an ISO 9001, ISO 14001 and OHSAS 18001 certified company, Tekfen is dedicated to the highest quality standards, aiming excellence through "continual improvement" and strict belief in "teamwork".

Tekfen Construction is a large family of 20,000 employees, including subcontractors' personnel.



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TANAP - TRANS ANATOLIAN NATURAL GAS PIPELINE PROJECT



The TANAP starts from the Georgian-Turkish border where it connects to the South Caucasus Pipeline (SCP) and ends at the Turkish - Greek border, where it feeds into the Trans Adriatic Pipeline (TAP). There are two compressor stations and 4 metering stations on the line.

PROJECT SUMMARY



TEKFEN constructs a 513-km section of 56" pipeline, 2 Pig Launcher & Receiver Stations, 14 Block Valve Stations, 4 metering stations and 2 compressor stations of the TANAP Project. There are 6 provinces, 21 towns, 146 villages in the project area.

PIPELINE CORRIDOR

The pipeline passes through mountains, forests, as well as residential areas. Prevention of 3rd party entries to the pipeline construction areas needs additional efforts in excess of physical barriers and warning signs.

This presentation summarizes the actions taken to prevent unauthorized entries to the pipeline construction areas and increase the safety culture of non-project people around the pipeline corridor.



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LESSONS LEARNED

During a major pipeline project in Turkey 15 years ago, 3 children drowned while playing with the water in the trench.

Even though the area was barricaded and warning signs were installed, 3 children passed over the barricade and the existing precautions proved insufficient to prevent the tragic accident.

Tekfen Construction itself was not involved in the pipeline project, but in the construction of the onshore terminal at the end of pipeline. The incident was shared with all Contractors working on the project via the «lessons learned» document.



PLANNING

During the planning stage of the Trans Anatolian Pipeline Project, the before mentioned case was examined and a training programme called “Akıllı Adımlar” (Smart Steps) was developed with the name of, apart from and in addition to the project requirements. TEKFEN’s management funded the entire the training programme.

The aim of the training programme was to increase HSE awareness amongst the children living in vicinity of the pipeline corridor, and to prevent unauthorized entry to the pipeline construction areas.

After getting the legal permits from local authorities, TEKFEN invited families, teachers, and community leaders to the project camp facilities to introduce the training programme and its content with the aim to secure their confidence first.



TRAINING

TEKFEN conducted a series of trainings on the pipeline, to raise awareness about the possible hazards of pipeline construction. Trainings were also given in camp training facilities, schools, mosques, as well as private residences.

As many as 1,242 children received trained along the pipeline corridor in a period of 2.5 years.

During the course of the project, **no children were involved in any incident** related to pipeline construction activities.



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As a part of the training programme, TEKFEN staff visited villages and held meetings with members of the local community to inform the people about the ongoing activities of the pipeline construction. Additionally, local employees were trained with the purpose to extend their HSE knowledge to their families and neighbours.

During these visits as well as employee trainings, general HSE awareness of local people was seen as very low. They were unaware about most of the basic hazards of daily social activities.

TEKFEN searched for sources of training materials for off-the-job safety to be distributed to the local communities, but no efficient training materials were available.

As part of the training programme, TEKFEN decided to publish an **Off-the-job Safety Booklet** with the aim of increasing the safety awareness of its employees, their families and their close environment.



OFF-THE-JOB SAFETY

A publishing team formed at TEKFEN Headquarters was in charge of publishing the «Off-the-Job Safety» handbook, to be used at project sites as well as for general purposes. The bilingual handbook was launched with an awareness campaign and distributed to around 22.000 TEKFEN personnel and stakeholders worldwide.

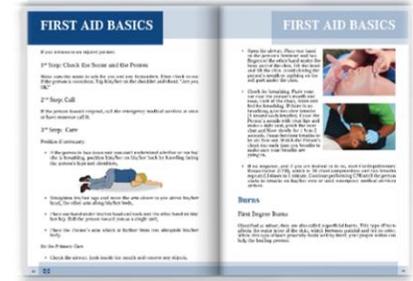
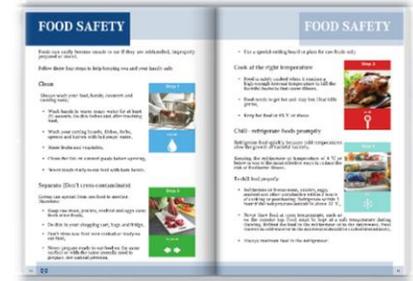
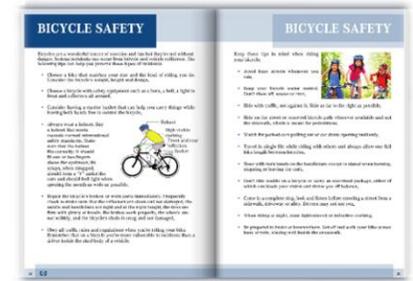
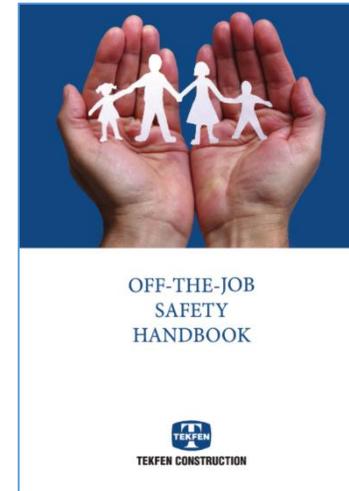
Many of the employees requested extra copies to present them to their children's school, as the teachers interested and thought that it can be used as a reference for child-rearing.



OFF-THE-JOB SAFETY

Contents of the «Off-the-Job Safety» handbook;

- President's Message
- Traffic Safety
- Slips, Trips, Falls
- Sports Safety
- Fire Safety
- Electrical Safety
- Food Safety
- Accidental Positioning
- Heat Protection
- Childproofing
- Bicycle Safety
- Choking
- Drowning
- Playground Safety
- Toy Safety
- First Aid Basics
- Earthquakes
- Emergency Preparedness Check



OFF-THE-JOB SAFETY

Tekfen urges its employees and stakeholders to be aware of safety at all times, as it begins from waking-up in the morning and shall not be forgotten any minute during the day.

TEKFEN's «Off-the-Job-Safety» booklet is now available on its website as well as on mobile devices through the following link; <http://www.tekfeninsaat.com.tr/off-the-job-safety-book/index.html#20>

Or with the QR- Code on the right.

