Yüksel Proje, founded in 1978, is in the position of the largest engineering and consultancy firm of Turkey today.

Firm, which has completed numerous large scale projects both inland and abroad, is providing services mainly in the fields of feasibility, design, construction supervision and project management.

Customer satisfaction-oriented fundamental approach underlies the achievements of Yüksel Proje. All process is organized to meet customer expectations.

Yüksel Proje places human factor at the center. It identifies the responsibilities related with both its employees and its clients meticulously, and acts within the framework of national and international regulations. The Firm does not restrict its liabilities with the employee-client axis only. Actions are taken with social responsibility and environmental consciousness.

Yüksel Proje, having carried out activities in 13 countries, is progressing towards becoming one of the leading firms in its sector worldwide with firm steps.
Feasibility
Using all our experience, we evaluate economical, technical and social effects; we determine the correct sources and take the right steps.

Design
Using the high technological opportunities, we put into practice the designs which are practicable, aesthetical, economic, functional, eco-friendly and original.

Construction Supervision
We provide and conduct the services within the specified budget correctly, timely, effectively and in compliance with the contract conditions, specifications, and OHS process; considering environmental effects.

Project Management
We examine the project integrally, analyze all details specifically the cost, and perform the process management productively.
TRANSPORTATION
- Motorways and State Highways
- Bridges and Viaducts
- Railways
- Railway Mass Transportation Systems
- Marine Structures - Harbours
- Airports

INFRASTRUCTURE & ENVIRONMENT
- Water Transmission Lines
- Drainage and Waste Water Networks
- Water and Waste Water Treatment Plants
- Solid Waste Storage and Incineration Plants
- Natural Gas and Crude Oil Pipelines

BUILDINGS
- Smart Buildings
- Industrial Facilities
- Mass Housing
- Education, Sports and Health Facilities

GEOLOGIC & GEOTECHNICAL ENGINEERING
- Soil Investigation
- Geological Engineering Implementations
- Geotechnical Engineering Designs
NORTH MARMARA MOTORWAY, ODAYERI - PASAKOY SECTION AND 3rd BOSPHORUS BRIDGE

Location: Istanbul / Turkey
Service Period: 2013 - to date
Employer: General Directorate of State Highways
Service Scope: Consultancy and supervision services

BOT Project covers 95 km of motorway and 27 km of connection roads, 4-lane double tube tunnels each with a length of 700 m, suspension bridge with a length of 1,408 m and 37 viaducts and small superstructures in various dimensions and lengths.

3rd Bosphorus Bridge with 8-lane motorway and 2-track railway designed as a hybrid product (Cable Stayed + Suspension) of high engineering and technology. It hosts number of records additional to charming aesthetics and technical characteristics: world’s largest with 59 meters width and world’s longest with 1,408 meters main span that accommodate both highway and railway, world’s highest towers with over 322 meters.
GEBZE - ORHANGAZI - IZMIR MOTORWAY AND IZMIT BAY BRIDGE CROSSING

Location: Gebze - Orhangazi - Izmir / Turkey
Service Period: 2013 - to date
Employer: General Directorate of State Highways
Service Scope: Consultancy and supervision services

The BOT project has a total length of 423 km with 384 km motorway and 49 km of connection roads. Project comprises many bridges, viaducts and tunnels. Izmit Bay Crossing Suspension Bridge has the tower heights of 252 m and rank 4 in the world with mid span of 1,550 m.
“Railway Bosphorus Tube Crossing (Marmaray) Project” is planned to provide an uninterrupted mass transportation system by integrating the upgraded commuter rails on European and Asian Coasts of Istanbul with a tube tunnel under the Bosphorus. The project covers the deepest immersed tunnel of the world with 58 meters. It has the total length of 76.3 km where almost 1,400 m as immersed tube tunnel. System will be established by; add of a third line to existing double track commuter rails on Europe and Asia sides, rehabilitation of tracks, infrastructure, stations, electromechanical systems, and new vehicles already procured. One track will serve for intercity passenger and cargo trains while the others as high standard commuter rails.
NISSIBI BRIDGE

Location: Diyarbakir - Adiyaman / Turkey
Service Period: 2010 - 2011
Employer: General Directorate of State Highways
Service Scope: Detailed design

Nissibi Cable-Stayed Bridge is designed to be constructed on the Ataturk Dam Lake at the 125th km of Diyarbakir-Adiyaman state highway. A 610 m long bridge, with 2x2 lanes, has a mid span of 400 m over the dam lake and two pylons of 96 m high at each coast.
GUMUSOVA – GEREDE MOTORWAY

Location: Bolu / Turkey
Service Period: 1987 - 2012
Employer: General Directorate of State Highways
Service Scope: Consultancy and supervision services

Gumusova-Gerede section of the Anatolian Motorway, that connects Istanbul to Ankara, is comprised of 116 km motorway and 6.3 km connection road. Bolu Mountain Crossing Section comprises 4 viaducts with a total length of 2x4,650 m and twin-tube bored tunnel of 2x2,900 m.
ZORLU CENTER

Location: Istanbul / Turkey
Service Period: 2009 - 2015
Employer: Zorlu Yapı Yatırım A.Ş.
Service Scope: Consultancy and supervision services

Zorlu Center has total 614,000 sqm area in Istanbul-Zincirlikuyu. It is a mixed-used project which contains hotel, shopping mall, residences, offices and performance art center.

Performance art center is enriched with acoustic properties equipment and has a main theater with 2,242 auditors capacity. Additionally, the building has the drama scene with 717 person capacity.
<table>
<thead>
<tr>
<th>Project</th>
<th>Metro Line</th>
<th>Scope of the service</th>
<th>Employer</th>
<th>Date</th>
<th>Length (km)</th>
<th>Station</th>
</tr>
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<tr>
<td>Taksim - 4. Levent M2a</td>
<td>Detailed design / Consultancy and supervision</td>
<td>İstanbul Metropolitan Municipality</td>
<td>1992 - 1995</td>
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<td>Kavacık - Pendik - Tuzla Metro M7</td>
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<td>Sabiha Gökçen Airport Connection</td>
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<td>Galanóx - Çevikler</td>
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</tr>
</tbody>
</table>
ANKARA METRO

Location: Ankara / Turkey
Service Period: 1992 - to date
Servis Scope: Design, consultancy and supervision services

In Ankara, the total length of 4 subway projects that we have provided services in various scopes since 1992 is 54 km inclusive of 46 stations.

<table>
<thead>
<tr>
<th>Project</th>
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<th>Length (km)</th>
<th>Station</th>
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<tr>
<td>AKM - Kızılay Metro (M4)</td>
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<td>ASTI - Sogutozu (M3)</td>
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<td>AYGM</td>
<td>2012- to date</td>
<td>9.2</td>
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</tbody>
</table>
BURSA WASTE WATER TREATMENT PLANTS

Location: Bursa / Turkey
Service Period: 2002 - 2010
Employer: Bursa Metropolitan Municipality
Service Scope: Consultancy and supervision services

Project is composed of 3 major parts:

Bursa East Waste Water Treatment Plant is designed in two phases to provide the domestic waste water treatment for approximately 1,550,000 equivalent population at the east basin of the city. Denitrification and dephosphorization are also realized at the plant where advanced biological treatment processes are applied. The capacity is 240,000 cum/day.

Bursa West Waste Water Treatment Plant is designed in two phases to provide the domestic waste water treatment for approximately 650,000 equivalent populations at the west basin of the city. Denitrification and dephosphorization are also realized at the plant where advanced biological treatment processes are applied. The capacity is 87,500 cum/day.

Hamitler Leachate Treatment Plant is built to prevent ground and surface water contamination leaking from the Solid Waste Landfill by purifying leachate having high pollution.
ZORLU LEVENT 199

Location: Istanbul / Turkey
Services Period: 2010 - 2015
Employer: Zorlu Gayrimenkul Geliştirme ve Yatırım A.Ş.
Service Scope: Consultancy and supervision services

(A+) Class, 40 stories, 161 m high office building with indoor area of 122,000 sqm.
**GEBZE - KOSEKOY HIGH SPEED RAILWAY**

**Location:** Gebze - Kosekoy / Turkey  
**Service Period:** 2012 - 2014  
**Employer:** Salini - Kolin - GFC Partnership  
**Service Scope:** Detailed design

Gebze - Kosekoy Line forms 56 km part of Ankara - Istanbul High Speed Railway and is connected to Marmaray in Istanbul. Design speed of the line is 110 - 160 km/h.

*The project covers rehabilitation of existing conventional railway for high speed train operation by addition of a third track.*

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**ESKISEHIR - KOSEKOY HIGH SPEED RAILWAY**

**Location:** Eskisehir - Kosekoy / Turkey  
**Service Period:** 2003 - 2004  
**Employer:** General Directorate of Railways  
**Service Scope:** Detailed design

Total length of the Eskisehir - Kosekoy High Speed Railway line is 190 km and designed for speed of 250 km/h.

Project route starts at west of Eskisehir, extends towards north of Bilecik and ends at Kosekoy passing through Sapanca. Deep valleys in Bilecik region with most dynamic faults over the world constitute the most difficult section of Ankara-Istanbul High Speed railway route in terms of design and construction.
YAKAKENT - GERZE HIGHWAY

Location: Sinop / Turkey
Service Period: 2010 - 2013
Employer: Cengiz İnşaat A.Ş.
Service Scope: Detailed design

Yakakent-Gerze Highway is located at the Eastern Black Sea Coastal Road, in the Samsun-Sinop section, starting at Yakakent sub province and ending at Gerze sub province. The fact that the route passes through a difficult region in geological-geotechnical terms, and the need to establish an environmentally sensitive project at the region, which is known for its nature/sea attractions, constitute the important criteria of the project. Total length of the divided road is 36 km.

ORAN PORT AND EAST-WEST MOTORWAY CONNECTION

Location: Oran / Algeria
Service Period: 2014 - to date
Employer: Makyol İnşaat A.Ş.
Service Scope: Detailed design

Project for the first 8 km section of connection road between Oran Port and the East-West Motorway in Algeria comprise of:
- 1.30 km revetment structure
- 1.30 km cut-cover structure
- 1.56 km twin tube bored tunnel
- 1.28 km post-tensioned bridge with of precast segmental box girder section.
**MOSTAGANEM TRAMWAY**

**Location:** Mostaganem / Algeria  
**Service Period:** 2011 - to date  
**Employer:** Algerian Metro Company “EMA”  
**Service Scope:** Detailed design, consultancy and supervision services  

The project, having a total length of 14.2 km double track, comprises of 24 stations, an Operation & Maintenance Center and Depot Area.

**SETIF TRAMWAY**

**Location:** Setif / Algeria  
**Service Period:** 2012 - to date  
**Employer:** Algerian Metro Company “EMA”  
**Service Scope:** Detailed design, consultancy and supervision services  

Two-phased double track tram project covers; 15.2 km long one at the first phase, and 7.2 km long at the second phase. Project comprises of 37 stations, an Operation & Maintenance Center and Depot Area.

**SOPHIA METRO**

**Location:** Sophia, Bulgaria  
**Service Period:** 2009 - 2010  
**Employer:** Doğuş İnşaat A.Ş.  
**Service Scope:** Detailed design  

“Sophia Metro Extension Project, Phase-1” includes 4 cut-and-cover stations and 3.8 km long TBM tunnel.
IZMIR LIGHT RAIL SYSTEM

Location: Izmir / Turkey
Service Period: 1995 - 2001
Employer: Izmir Metropolitan Municipality
Service Scope: Consultancy and supervision services

The total length of the line is 11.3 km. In scope of the project, there are 1,352 m (EPBM) and 1,597 m (NATM) tunnels, 10 stations, 4,700 m viaduct and Operation & Maintenance Center.

GULBURNU BRIDGE

Location: Gulburnu - Giresun / Turkey
Employer: Güriş İnşaat A.Ş. - Metiş İnşaat A.Ş. Joint Venture
Service Scope: Detailed design

The bridge, with a total length of 330 m composed of 2x82.5 m side spans and 165 m mid span, is designed as post-tensioned box girder cross-section and constructed with balanced cantilever method.
ERZURUM WATER AND WASTE WATER PROJECT
Location: Erzurum / Turkey
Service Period: 2012 - 2015
Employer: Ministry of Environment and Urban Planning - European Union Investments
Service Scope: Consultancy and supervision services

The project, which is financed under Instrument for Pre-Accession Assistance (IPA) by the European Union, include improvement of current potable water network of Erzurum and construction of river rehabilitation, waste water collectors and waste water treatment plant with capacity of 62,500 cum/day.

ORDU - GIRESUN AIRPORT
Location: Between Ordu and Giresun / Turkey
Service Period: 2011 - 2015
Employer: Cengiz İnşaat A.Ş.
Service Scope: Detailed design

The first airport in Turkey and Europe built on sea fill is located between Ordu and Giresun provinces at Black Sea region, with 3 million annual passenger capacities.

A breakwater with 7.5 km length, sea fill of 1,750,000 sqm, taxi-route, runway by 3,000 m x 45 m, and apron comprise the scope.
OKMEYDANI TRAINING AND RESEARCH HOSPITAL

Location: Istanbul / Turkey
Service Period: 2013 - to date
Employer: Istanbul Project Coordination Unit (IPKB)
Service Scope: Consultancy and supervision services

- Project comprise of demolishment works of existing hospital building and construction of a new 1,000 bed hospital building instead.
- New one, with 250,000 sqm indoor area, equipped with seismic base isolators for an uninterrupted service following a quake.
- First public hospital designed for being a candidate of LEED Gold Certificate.
- Equipped with energy saving systems to produce substantial power need from natural gas.

MIMAR SINAN FINE ARTS UNIVERSITY, ART AND SCULPTURE MUSEUM

Location: Istanbul / Turkey
Service Period: 2014 - to date
Employer: Mimar Sinan Fine Arts University
Service Scope: Consultancy and supervision services

- Project is the renovation of existing Warehouse 5 having 22,000 sqm indoor area and located at Karakoy - Istanbul.
- The renovated building will comprise Exhibition Halls with 11,000 sqm where 7,000 sqm as indoor and storage areas.
PROMESA LEVENT TOWER

Location: Istanbul / Turkey
Service Period: 2011 - 2016
Employer: Promesa İnşaat Yatırım ve Yönetim A.Ş.
Service Scope: Consultancy and supervision services

A-class office building located at 4. Levent in Istanbul with 60,000 sqm total indoor area.

ABDULLAH GUL MUSEUM AND LIBRARY

Location: Kayseri
Employer: Abdullah Gul University Support Foundation
Service Scope: Consultancy and supervision services

Restoration of historical buildings - power plant, steam center and training offices of an old industrial facility built up in 1935 located at Kocasinan, Kayseri - for use as a museum and library.
AKKUYU NUCLEAR POWER PLANT DESIGN OF OFFSHORE HYDROTECHNICAL STRUCTURES

Location: Akkuyu - Mersin
Service Period: 2015 - to date
Client: Cengiz İnşaat Ticaret ve Sanayi A.Ş.
Service Scope: Detailed design of offshore hydraulic engineering structures

Akkuyu Nuclear Power Plant, which will be the first Nuclear Power Plant in Turkey when completed by 2020, will produce 1,200 MW power by each of its four units which correspond almost to 10 % in Turkey. The cooling water of these units, approx. 330 cum/s, will be provided from sea and discharged back afterwards by hydraulic structures. Structures designed are as follows:

- Breakwater and Shore Protection Structure
- Water Intake Structure and Fish Barrier
- Sea Water Treatment Plant
- Cooling Water Distribution Chamber
- Sea Outfall Structure
- East Cargo Terminal

Detailed wave studies, hydrodynamic, lithodynamic, hydrothermal and tsunami modeling, 2D and 3D physical models of the structures and their performance tests in laboratory are in scope of design studies.

GALATASARAY SEYRANTEPE STADIUM

Location: Istanbul / Turkey
Service Period: 2007
Employer: Galatasaray Football Club
Scope of the Service: Final design and construction tender documents

Seyrantepe Stadium having capacity of 52,000 spectators is designed as fully covered. Final design and tender documents of the stadium is prepared together with ASP-Mete Arat Company (Germany). Final design also cover; power supply, roads, metro connections, potable water and storm drainage.
TRANS ANATOLIAN NATURAL GAS PIPELINE

Location: Section between Turkey - Georgia Border and Greece - Bulgaria Border
Service Period: 2012 - to date
Employer: TANAP Natural Gas Transmission Company
Service Scope: Route and soil investigations

The project starts at the northeast border (Turkgozu/Posof) of Turkey and ends at the Greece border. The total length is 1,850 km. Nominal capacity of the pipeline is 31 billion cubic meters per year with 96 bar design pressure. Diameter of the pipeline is 56” and 42”. Totally 7 Compressor, 4 measuring, 11 pigging, 49 block valve and 2 take off stations will be constructed along the main TANAP pipeline route.

BAKU - TBILISI - CEYHAN (BTC) CRUDE OIL PIPELINE

Location: Ceyhan / Turkey
Service Period: 2001 - 2002
Employer: ILF
Service Scope: Detailed design

Finalizing approx 500 km route section of Baku-Tbilisi-Ceyhan Crude Oil Pipeline located between east of Sivas Province and Ceyhan. Design studies comprise; determination of final route, stream, river and road crossings, and a jetty - inclusive of piping- for 300,000 DWT vessels for crude oil loading.

ISTANBUL DOMESTIC WASTE INCINERATION PLANT

Location: Istanbul / Turkey
Service Period: 2011 - 2013
Employer: İSTAC, İstanbul Çevre Yönetimi Sanayi ve Ticaret A.Ş.
Scope of the Service: Preparation of preliminary design and construction tender documents

It is the domestic waste incineration plant project with 3,000 tons/day capacity planned to be constructed in Istanbul - Kmerburgaz.

In scope of the project; receive of domestic waste, waste storage, waste supply, waste incineration, recovery of the energy generated from incineration and transform to electrical energy, Rue gas treatment, design of ash and slag collection and disposal, preparation of the preliminary designs with the appropriate method selected, preparation of EIA report and receiving approvals, preparation of all tender documents for construction including technical specification, have been performed.
### ANKARA METRO, KIZILAY CUT-COVER TURNOUT STRUCTURE

| Location: | Ankara / Turkey |
| Service Period: | 2006 - 2007 |
| Employer: | Güris A.Ş. |
| Service Scope: | Detailed design |

Kizilay Cut & Cover Turnout Structure with a depth of 25 m crossing from the city center of Ankara. Excavation supported by inclined piles and internal steel struts.

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### DÜZCE - AKCAKOCA - KARADENİZ EREGLİ HIGHWAY TUNNELS

| Location: | Düzce - Zonguldak / Turkey |
| Service Period: | 2005 - 2011 |
| Employer: | General Directorate of Highways |
| Service Scope: | Geological and geotechnical survey and engineering services |

Basic researches have been carried out to determine the geomechanical properties of the units in the project area for 9 single-tube tunnels, 2 cuts, 2 fills, 5 landslides and 35 superstructures, and the design have been performed accordingly.

---

### DEVREK LANDSLIDE

| Location: | Zonguldak - Devrek / Turkey |
| Service Period: | 2015 |
| Client: | 15th Regional Directorate of State Highways |
| Service Scope: | Solutions for rehabilitation of the landslide at Devrek-Eregli Highway |

Geological and geotechnical investigations carried out and remedial solutions were determined to overcome instability for the landslide occurred at Devrek-Eregli state road.
AKYUNLU BRIDGE

Location: Tunceli / Turkey
Service Period: 2012 - to date
Employer: General Directorate of State Highways
Service Scope: Detailed design

Akyunlu Bridge is located on Tunceli-Elazig state highway over Uzunçayır Dam Lake to connect Malazgirt sub province with Tunceli province. The Bridge, with 660 m total length and 360 m the largest span, is designed as cable-stayed with a single pylon of 185 m high.

IZMIR BAY CROSSING

Location: Izmir / Turkey
Service Period: 2012 - to date
Employer: General Directorate of State Highways
Service Scope: Final design and tender documents

Project, connecting south and north coasts of Izmir Bay, comprise of:
- 12 kilometers of motorway
- 16 kilometers of railway
- 4.2 kilometers of bridges
- 2 cable stayed bridges
- Artificial island

KOMURHAN BRIDGE

Location: Malatya - Elazig Highway / Turkey
Service Period: 2010 - to date
Employer: General Directorate of State Highways
Service Scope: Detailed design, consultancy and supervision services

Komurhan Bridge is constructed over Karakaya Dam Lake on the Malatya-Elazig State Highway. The Bridge, with 660 m total length and 360 m the largest span, is designed as cable-stayed with a single pylon of 185 m high.

GERZE - SINOP HIGHWAY

Location: Sinop / Turkey
Service Period: 2010 - 2014
Employer: Çelikler İnşaat A.Ş.
Service Scope: Detailed design

Gerze-Sinop Highway, located at the Eastern Black Sea Coastal Road in Samsun-Sinop section, starts at Gerze sub province and ends at Sinop province. The route with 34.5 km length passes through a difficult region in geological-geotechnical terms.

MISURATHA - EMSAED SECTION MOTORWAY

Location: Misuratha - Emsaed / Libya
Service Period: 2007 - 2009
Employer: Ministry of Transportation, Highways and Bridges Administration
Service Scope: Detailed design and tender documents

Existing coastal road in Libya, extending from Tunisia border to the Egypt Border along the Mediterranean, has an approx. length of 2,000 km. Government of Libya has planned construction of a new motorway with high standards as an alternative.

The length of the project which is designed as 2x3 lanes between Misuratha-Emsaed is 1,400 km.
QARABULI INFRASTRUCTURE CONSTRUCTION
Location: Qarabuli / Libya
Service Period: 2008 - to date
Employer: Housing and Infrastructure Board (HIB)
Service Scope: Consultancy and supervision services

In scope of infrastructure works there are: construction of 41.5 km urban road and potable water system network, 54.5 km sewage network, 3 wastewater pumping station, 12.6 km long rainwater drainage line, 2 rainwater reservoir, electrification, lighting and communication networks.

HALKAPINAR SPORTS HALL
Location: Izmir / Turkey
Service Period: 2004 - 2005
Employer: General Directorate of Youth and Sports
Service Scope: Consultancy and supervision services

Multipurpose sports hall, with approx 48,000 sqm construction area and 10,000 spectators capacity, built up on an area of 17,300 sqm area at Halkapinar.

TÜPRAŞ İZMİT REFINERY “B” REGION MARINE STRUCTURES
Location: İzmit / Turkey
Service Period: 2011 - 2012
Employer: Tüpraş, Turkish Petroleum Refineries Co.
Service Scope: Detailed design

Marine structures at Tüpraş Refinery located in İzmit, was partly damaged in 1999 earthquake. New investment plans of Tüpraş includes retrofitting of damaged marine structures in addition to construction of new ones.

Project scope includes: disassembly of the existing 280 m quay and 640 m wharf, construction of a 780 m new quay and 640 m new wharf that 5,000 DWT - 100,000 DWT vessels can berth, supply of loading arms, fire protection and fire-fighting facilities, piping, instrumentation and electrical installations.

SABRATAH INFRASTRUCTURE PROJECT
Location: Sabratah / Libya
Service Period: 2010 - 2014
Employer: UGCC
Service Scope: Detailed designs

This project covers the detailed design of 130 km road network, 67 km of rainwater drainage, 65 km waste water drainage and 73 km potable water network for 120,000 population within an area of 844 hectares.

MESELTAH INFRASTRUCTURE CONSTRUCTION
Location: Meselatah / Libya
Service Period: 2009 - to date
Employer: Housing and Infrastructure Board (HIB)
Service Scope: Consultancy and supervision services

In scope of infrastructure works there are: construction of 57 km new urban road, improvement of 30 km existing roads, 90 km potable water system network, 2 pumping stations, 3 water reservoirs, 70 km wastewater network and a wastewater treatment plant, rainwater drainage line with 57 km length, rainwater reservoir, electrification, lighting and communication networks.

TURKMENBASI VIP YACHT PORT
Location: Awaza Peninsula / Turkmenistan
Service Period: 2010 - 2012
Employer: Polimiks İnşaat
Service Scope: Detailed design

Turkmenbasi VIP Yacht Port is located at Awaza Peninsula to the south of Turkmenbasi. A modern VIP Yacht Port is designed.

TURKMENBASI VIP YACHT PORT
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Employer: Polimiks İnşaat
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IZMIR SEWERAGE PROJECT

Location: Izmir / Turkey
Service Period: 1996 - 2001
Employer: Izmir Water and Sewerage Administration General Directorate (IZSU)
Service Scope: Consultancy and supervision services

Izmir Sewerage Project targets the transfer of domestic and industrial wastewaters to Wastewater Treatment Plant (WWTP) via main interception channel and four main pumping stations. It is an integral of projects including; rehabilitation of Melez, Manda, Borovna and Apra rivers that flow as open channels and transfer the sewage to the Bay, connection of those to the Main Interception Channel for transfer to WWTP and disposal to Bay after being treated and purified.

In scope, construction of 2x2,200 mm diameters collector between Başmara-Hısal, Kansiyar, Albayr and Söğüktuyu collectors from 400 mm to 1,400 mm diameters, Borovna, Bayraklı and Engene collectors from 400 mm to 1,600 mm and Gumruk Pump Station are consulted and supervised.

ANKARA WATER SUPPLY, GEREDE SYSTEM WATER DELIVERY TUNNEL

Location: Ankara / Turkey
Service Period: 2006 - 2008
Employer: Ankara Metropolitan Municipality
Service Scope: Detailed design

Water from Gerede Stream is transmitted by gravity to Camlıdere Dam Lake through a tunnel of 4.5 m diameter and 31.5 km length in order to obtain long term potable water needs of Ankara.

KESIKKOPRU DAM - IVEDIK POTABLE WATER TREATMENT PLANT WATER TRANSMISSION LINE

Location: Ankara / Turkey
Service Period: 2007
Employer: Ankara Metropolitan Municipality
Service Scope: Detailed design

To overcome the water lack experienced during the recent drought seasons in Ankara, with approx. 5 million population, ASKI has decided to construct a new water transmission line from Kesikkopru Dam to Ankara in addition to current sources. Transmission line consists of three parallel pipes each with a diameter of 1,600 mm and with a length of 130 km (total 390 km). There are 10 depots and five pumping stations with a total capacity of 206,000 cum along the line.

KONYA WASTE WATER TREATMENT PLANT

Location: Konya / Turkey
Service Period: 2004 - 2010
Employer: Konya Metropolitan Municipality - KOSKI General Directorate
Service Scope: Consultancy and supervision services

Treatment plant is planned to serve population of 1,600,000, and designed for flow of 200,000 cum/day capacity and for 1,000,000 equivalent population in the first phase. Based on the plant processes foreseen, the plant operates on the principle of preliminary treatment + advanced biological treatment + ultraviolet disinfection + anaerobic sludge digesting + common production plant and sludge dewatering.

SELIMPASA WASTE WATER TREATMENT PLANT

Location: Istanbul / Turkey
Service Period: 2011 - 2013
Employer: Istanbul Water and Sewerage Administration General Directorate (ISKI)
Service Scope: Detailed design

Selimpasa Advanced Biological Waste Water Treatment Plant will serve in treatment of the waste water collected at all residential areas at Selimpasa basin in Istanbul.

Plant, with a capacity of daily 70,000 cum, will release the treated waste water to environment after being processed with advanced treatment methods like carbon, denitrification and dephosphorization, etc.

KUSADASI REGIONAL SOLID WASTE MANAGEMENT

Location: Kusadasi - Aydin / Turkey
Service Period: 2007 - 2009
Employer: European Commission - Central Finance and Contracts Unit
Service Scope: Consultancy and supervision services

The first part of the Project includes the construction of treatment plant, medical waste sterilization and standby composting plant in addition to the waste collection center used for beneficiary (Kus-Atak Municipalities Union), weighbridge, management and technical buildings, waste gas strengthening station, leachate treatment plant with 4,000 cum capacity (reverse osmosis leachate treatment plant with daily 60 cum capacity), related plants containing the leachate water balance tank and a new solid waste site (three waste disposal units with 1,560,000 cum waste volume for 20 years).

Second part of the Project includes the rehabilitation of five old waste landfill areas in use within the borders of the beneficiary municipalities.

ANKARA WASTE WATER, GEREDERE SYSTEM WATER DELIVERY TUNNEL

Location: Ankara / Turkey
Service Period: 2006 - 2008
Employer: Ankara Metropolitan Municipality
Service Scope: Detailed design

Water from Gerede Stream is transmitted by gravity to Camlıdere Dam Lake through a tunnel of 4.5 m diameter and 31.5 km length in order to obtain long term potable water needs of Ankara.