



# ÇİLİNGİROĞLU ENGINEERING AND CONSULTANCY



**ÇİLİNGİROĞLU ENGINEERING AND CONSULTANCY LTD. COMP.**

**Sağdıç Sokak No: 11 - 34381 Şişli / İstanbul / Turkey**

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## 1. Company History:

The company was established in year 1954 by Mr. Kevork Çilingiroğlu as an engineering office, which was subsequently converted into a limited liability corporation styled “Çilingiroğlu Mühendislik ve Müşavirlik Limited Şirketi” in June 1977. The corporation currently operates at its office at Sağdıç Sokak No:11, in Şişli, Istanbul.

Company undertakes diversified projects such as university campuses, business centers, shopping malls, hospitals, hotels, stadiums, skyscrapers, libraries, industrial facilities, and buildings of various sizes.

The company has been innovative since its early days of establishment, and introduced many new technologies in Turkey. Leading projects include Sabancı Center, Yapı Kredi Plaza, AkMerkez, Ülker Sports Arena, Beşiktaş Vodafone Arena, Meydan Shopping Mall, Akasya Shopping Mall-Residence, Küçük Çamlıca TV Tower etc.

The company is offering supervision and consultancy services besides mechanical projects.

## 2. Scope of Operation:

ÇİLİNGİROĞLU Mühendislik ve Müşavirlik Ltd. Şti. offers services in the fields listed below:

### **Central Heating and Cooling Systems:**

- Distribution and design of systems,
- Layout and drawings of the main and secondary stations of central heating and cooling,

### **Planning and Design:**

- Preliminary work and feasibility studies for the mechanical systems, and selection by proposing the optimum ones,
- Heating and cooling calculations,
- Drawings,
- Selection and definition of equipment,
- Organization and detailing of technical spaces,
- Detailing of the mechanical installation points offering specific and intricate characteristics,
- Preparation of tender documentation.

### **Air-conditioning and ventilation systems:**

- Calculations of heat loss and gain,
- System and equipment selection,
- Calculation and drawing of ducts,
- Calculation of piping, and drawing of their distribution,
- Selection and drawing of cooling machines, heating sources and power supplies,

- Determination and scenario-specific drawings of building automation, control devices and systems,
- Seismic vibration and acoustic calculations, provision of the necessary measures, and production of the detail drawings,
- Preparation of firefighting projects and scenarios.

### **Plumbing and firefighting systems:**

- Domestic water distribution systems within the building,
- Treatment and distribution of hot utility water within the building,
- Accumulation of waste water within the building, and construction of their connections up to the manhole in front of the gate,
- Calculations and drawings of water storage and pressure tanks,
- Calculations and drawings of firefighting systems,

### **Contract award services:**

- Preparation of the comparison tables of the bids received, for purposes of contractor selection.
- Assistance to the investor for equipment selection.

### **Production-phase services:**

- Implementation of the mechanical installation projects,
- Supervision of the compliance of materials and devices to be used, with the current specifications and pertinent standards, in terms of quality and capacity,
- The necessary tests during commissioning of the systems.
- The investors are also offered consultancy services for mechanical systems, if need be.

## **3. Partners of the Company:**

Kevork Çilingiroğlu:

M.Sc. in Mechanical Engineering

Born in Istanbul in 1927. Graduated from Istanbul High School in 1945, and from the Mechanical Engineering Faculty of İ.T.Ü. in 1950. Joined the Water Machinery Department at Mechanical Engineering Faculty as an assistant professor, worked until 1953. Then established his own project design office. In the meantime, between 1971 and 1979 he taught mechanical installation at İ.T.Ü. Faculty of Architecture as a guest lecturer. Was head of Çilingiroğlu Engineering until his passing away in 2016.

#### **Sarven Çilingiroğlu:**

Born in Istanbul in 1963. Graduated from the Getronagan High School in 1980, and from the Mechanical Engineering Faculty of İ.T.Ü. in 1984. Enrolled for Postgraduate programme at İ.T.Ü. in the same year. Having completed his study at the Energy Department, he was awarded the M.Sc. degree in 1987. Worked part-time at the Company HONEYWELL for a year during his postgraduate studies. Worked as a trainee at YORK INTERNATIONAL in UK, for his post-graduation paper on “Heat pumps” in year 1986. He is the current owner of Çilingiroğlu Engineering and Consultancy.

#### **4. Administrative and technical staff of the company:**

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Name	:	Sarven Çilingiroğlu
Date and place of birth	:	01 September 1963, Istanbul
Education	:	Graduated from Istanbul Technical University in 1987. Degree: M.Sc. in Mechanical Engineering.
Position in the Company	:	Owner, GM
Foreign language skills	:	English

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Name	:	Ömer Cenk Tiftikçigil
Date and place of birth	:	08 May 1977, Istanbul
Education	:	Graduated from Yıldız Technical University (Y.T.Ü.) as a Mechanical Engineer in 2000.
Position in the Company	:	Mechanical Engineer, Project Director Has been working in our company since 2002.
Foreign language skills	:	English

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Name	:	Emre Yılmam
Date and place of birth	:	1 June 1987, Bursa
Education	:	Graduated from İstanbul Technical University (İ.T.Ü.) as a Mechanical Engineer in 2009.
Position in the Company	:	Mechanical Engineer, Project Manager Has been working in our company since 2010.
Foreign language skills	:	English

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Name : Gökhan Bekmez  
Date and place of birth : 20 February 1985, Eskişehir  
Education : Graduated from İstanbul Technical University (İ.T.Ü.) as a Mechanical Engineer in 2008.  
Position in the Company : Mechanical Engineer, Project Manager  
Has been working in our company since 2012.  
Foreign language skills : English

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Name : Doğucan Durmuşlar  
Date and place of birth : 30 July 1993, İstanbul  
Education : Graduated from İstanbul University as a Mechanical Engineer in 2015.  
Position in the Company : Mechanical Engineer  
Has been working in our company since 2016.  
Foreign language skills : English

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Name : Kemal Kaya Coşkun  
Date and place of birth : 24 November 1970, Istanbul  
Education : Graduated from the Zincirlikuyu Trade School for Construction Industry in 1989.  
Position in the Company : Draughtsman (Chief Technician)  
Has been working in our company since 1993.

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Name : Volkan Atar  
Date and place of birth : 10 December 1984, Istanbul  
Education : Graduated from the Gültepe Technical and Industrial Vocational High School in 2001.  
Position in the Company : Draughtsman  
Has been working in our company since 2017.

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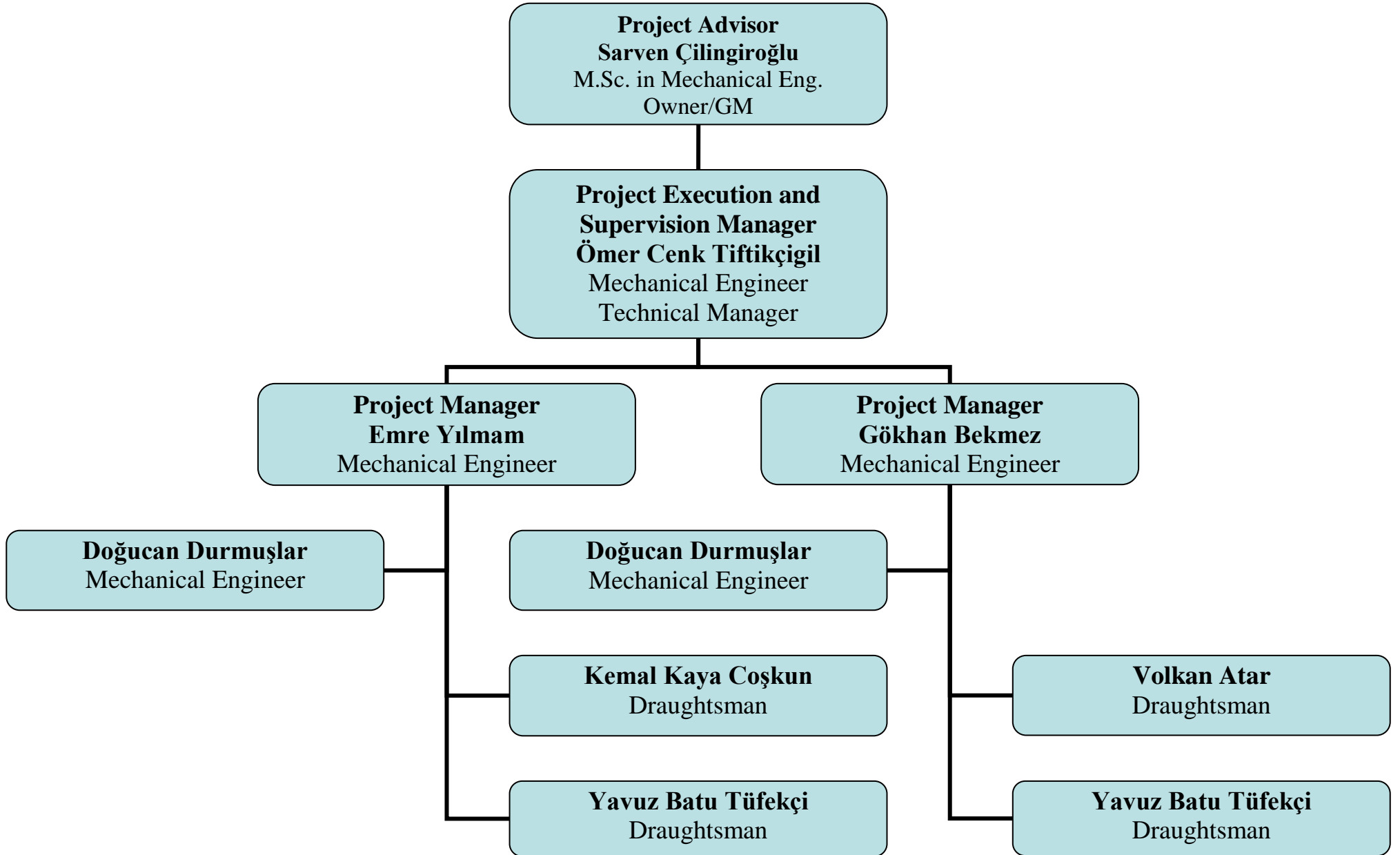
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Name	:	Yavuz Batu Tüfekçi
Date and place of birth	:	28 July 1969, Istanbul
Education	:	Graduated from the Beyoğlu Industrial Trade School in 1988.
Position in the Company	:	Draughtsman
		Has been working in our company since 1990.

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**5. The organization chart:**





**6. Other References of the Company:**



## INDUSTRIAL BUILDINGS


Name or Owner of the PROJECT	Description and Type of System	Roofed Area (m <sup>2</sup> )	Location
Fruko Tamek A.Ş.	Fruko and Pepsi Cola Factory 1965, Plumbing and Air Conditioning System.	5,000	Merter/İST.
Eczacıbaşı Holding	Eczacıbaşı Ceramics Factory 1965, 130°C/90°C Red-Hot Water Installation.	70,000	Maltepe/İST.
NEVTRON A.Ş.	NEVTRON Radio factory 1966, 90°C/70°C Hot water system.	3,000	İSTANBUL
Uzel A.Ş.	Uzel Tractor Factory 1967, 150°C/110°C Heating Installation using Red-Hot Water	35,000	Rami/İST.
Fruko Tamek A.Ş.	Fruko – Tamek Soft Drinks Factory 1968, 6-bar. High-Pressure Steam and Air-Conditioning Systems.	2,500	Ankara
NASAŞ A.Ş.	Nasaş Aluminium Folio Factory 1972, 150°C/110°C Red-Hot Water Heating, 280°C Red-Hot Oil Process and Cooling Tower mak. Cooling Systems.	50,000	Dilovası/İST.
TÜRK Kablo A.Ş.	Türk Kablo, Cable Factory 1973, 150°C/110°C Red-Hot Water, Fire Fighting, Plumbing etc.	6,000	İzmit
KARPER Peynir A.Ş.	KARPER Process cheese factory 1973, Red-hot oil and 6-bar steam system.	2,800	Istanbul
TRAKYA İplik A.Ş.	Trakya Yarn Factory (25.000-spindle) 1973, 8-bar High-Pressure Steam System Heating, Ventilation etc.	20,000	Çerkezköy
MERİÇ İplik Sanayi A.Ş.	Meriç Yarn Factory (25.000-spindle) 1973, 150°C/110°C Red-Hot Water System.	12,000	Edirne
MERİÇ Dokuma A.Ş.	Meriç Textile Factory 1976, 8-bar High-Pressure Steam System, Fire Fighting, and similar installations	14,000	Edirne
AN-KON A.Ş.	AN-KON Fruit juice and vegetable concentrate factory 1974, 8-bar high-pressure steam system.	6,000	Antalya
KOÇ Holding A.Ş.	Bozkurt Yarn and Textile Factory 1974, Renewal 10-Bar High-Pressure Steam, Air-Conditioning, and similar systems	17,000	Zeytinburnu İST.
TEKSTİPLİK A.Ş.	TEKSTİPLİK Synthetic Yarn Factory 1974, 10-bar high pressure steam system.	20,000	Edirne
GENÇLER KONFEKSİYON A.Ş.	GENÇLER Clothing Factory 1974, Red-Hot Oil and 5-bar pressure steam system.	1,200	Istanbul
OLMUK A.Ş.	Olmuk Paper Factory 1975, 8-bar High-Pressure Steam, Ventilation, Heating Systems.	19,000	Edirne
GÜMÜŞSUYU HALI A.Ş.	GÜMÜŞSUYU Carpet Factory 1975, 8-bar high-pressure steam system.	30,000	Çerkezköy
GÖK İnş. A.Ş.	GÖK Precast Concrete Production Factory 1976, 150°C/110°C Red-Hot Water System.	3,000	Osmaneli
GAMAK A.Ş.	Gamak Electric Motor Factory 1977, 150°C/110°C Red-Hot Water Heating and Ventilation, Plumbing Systems.	35,000	Istanbul
TRANSTÜRK Holding	Tezsan Machinery Workbench and Equipment Manufacturing Factory 1977, 4-bar Steam Installation Heating, Air Conditioning and Plumbing Systems	10,000	Gebze/İST.
TEKİRDAĞ Mobilya A.Ş.	Tekirdağ Furniture 1978, 150°C/110°C Red-Hot Water Installation, for Heating and Process	5,000	Tekirdağ
Akhisar Cigarette Factory	Cigarette Factory 1979-80, 4-bar Steam Installation and Factory Air-Conditioning System	100,000	Akhisar
KOÇ Holding	İzocam Glass Wool Factory 1980-81, 190°C/150°C Red-Hot Water System, Fire Fighting System, Ventilation, Plumbing.	20,000	Tarsus/Adana
TRAKYA İPLİK A.Ş.	TRAKYA Yarn Factory 1981, 8-bar High-Pressure Steam, Ventilation, Heating System.	10,000	Çerkezköy
SFC A.Ş.	SFC Coating Factory 1981, 190°C/150°C Red-Hot Water Installation, for process	10,000	Kastamonu
YALOVA ELYAF ve İPLİK San. A.Ş.	YALOVA Yarn Factory 1984, Ventilation, Heating System.	10,000	Yalova/İst.

## SCHOOL BUILDINGS



Name or Owner of the PROJECT	Description and Type of System	Roofed Area (m <sup>2</sup> )	Location
Middle East Technical University (ODTÜ)	Middle East Technical University (Campus) from 1961 through 1979 13-bar High-Pressure Steam Distribution, 90°C/70°C Hot Water Conversion, Heating, Ventilation and Air Conditioning Systems, as well as Plumbing Projects in the Buildings <ul style="list-style-type: none"> <li>• Faculty of Architecture</li> <li>• Faculty of Science and Letters</li> <li>• Metallurgical Department, Faculty of Mechanical Eng.</li> <li>• Engineering Dept., Faculty of Electrical Engineering</li> <li>• Engineering Dept., Faculty of Mechanical Engineering</li> <li>• Engineering Dept., Faculty of Chemical Engineering</li> <li>• Faculty of Business Administration</li> <li>• Radioactive Laboratory and Reading Spaces of the Faculty of Chemical Engineering</li> <li>• Chemical Laboratory of the Faculty of Science &amp; Letters</li> <li>• Suppl. Workshop Buildings of the Faculty of Mech. Eng.</li> <li>• Civil Engineering Buildings</li> <li>• Shore and Ports Laboratory, Faculty of Civil Engineering</li> <li>• Building and Laboratories of the Fac. of Environmental Eng.</li> <li>• Water Operations Laboratory</li> <li>• Building of Geological Dept.</li> <li>• Computer Centre</li> <li>• Library Buildings</li> <li>• Administrative and Presidency Building</li> <li>• Sports Hall Building</li> <li>• Cafeteria and Annexes (for 3.000 people)</li> <li>• Indoor Swimming Pool</li> <li>• Male Student Dormitory</li> </ul>	15,000 20,000 10,000 7,000 5,000 8,000 7,000 5,000 3,000 20,000 5,000 4,000 4,000 3,000 7,000 1,500 18,000 5,000 2,500 20,000 1,500 6,000	Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara Ankara
Istanbul Technical University (İTÜ)	<ul style="list-style-type: none"> <li>• Faculty of Mines and Auditorium 1963, 90°C/70°C Hot-Water Heating Installation and Air Conditioning.</li> <li>• Maçka Technical University 1964, 90°C/70°C Hot-Water Heating and Ventilation Systems</li> </ul>	30,000 18,000	Istanbul Istanbul
Fen Lisesi (Science High School)	<ul style="list-style-type: none"> <li>• Science High School 1963, 90°C/70°C Hot-Water Heating, Central Distribution, Hot-Air Heating, Ventilation</li> <li>• Laboratories, Auditorium, Dormitory and Cafeteria.</li> </ul>	18,000	Ankara
Diyarbakır University	<ul style="list-style-type: none"> <li>• Diyarbakır University (Dicle Campus) 1972-1977, 150°C/110°C Red-Hot Water Central Distribution System. 90°C/70°C Heating and Ventilation Systems in the Spaces</li> <li>• Urfa Agricultural School</li> </ul>	195,000 30,000	Diyarbakır Urfa
TÜBİTAK (Türkiye Bilimsel, Teknik Araştırma Kurumu; The Scientific and Technical Research Council of Turkey)	Research Laboratories, Administrative Buildings etc. 1971-1979, 150°C/80°C and 110°C/80°C Red-Hot Water Central Distribution System, 90°C/70°C Heating and 110°C/80°C Air-Supplied Heating and Ventilation Systems in the Spaces	50,000	Gebze
Boğaziçi University New Campus	Boğaziçi Univ. 1974-77 150°C/110°C Red-Hot Water Central Distribution, 90°C/70°C Heating and Ventilation in the Spaces <ul style="list-style-type: none"> <li>• Faculty of Science &amp; Letters, and Laboratories</li> <li>• Library</li> <li>• Heating Centre</li> <li>• Training Centre, Cafeteria, Administrative Buildings</li> </ul>	13,000 10,000 1,200 25,000	Istanbul Istanbul Istanbul Istanbul
Istanbul University	Istanbul University (Avcılar Campus) 1975, 150°C/110°C Central Distribution System, 90°C/70°C Heating and Ventilation Systems. Chemistry, Veterinary, Applied Geophysics etc. Instructional Buildings and Laboratories, Cafeteria, Kitchen (for 3.000 people), Outdoor Swimming Pool	130,000	Avcılar/IST.



Istanbul University	Çapa Faculty of Medicine Monobloc Surgery Hospital and Polyclinic 1979, (900-bed), 90°C/70°C Heating and Ventilation, 0.5-bar and 8-bar Steam.	70,000	Çapa/IST.
Pendik Koç High School Campus	High School 1987, 90°C/70°C Hot-Water Central Distribution, Heating Ventilation and Plumbing	22,000	Pendik/IST.
Robert College Annexes	Laboratory, Auditorium and Gym 1989, 4-bar Central Steam System, 90°C/70°C Heat-Exchanger-Supplied Hot Water, Heating Ventilation and Plumbing.	12,000	Arnavutköy İSTANBUL
Istanbul Male High School - Elementary School Unit	Elementary School, 1996, 90°C/70°C Heating, Fire Fighting and Plumbing Installation fed by the Central System (High School)	4,000	Istanbul
Tuzla Naval Academy (Campus) and Social Premises	Tuzla Naval Academy 1980, 150°C/110°C Red-Hot Water Distribution and 90°C/70°C Heating, Ventilation, Air Conditioning in Spaces	220,000	Tuzla/IST.
Yıldız Technical University	Annexes of the Yıldız Engineering Dept. 1978, 90°C/70°C Hot-Water Central Distribution, Heating Ventilation and Plumbing	12,000	Istanbul
500.YIL LİSESİ / HIGH SCHOOL	High School 1990. 80°C/60°C Hot-Water Central Distribution, Heating Ventilation, Fire Fighting installation and Plumbing	5,800	Istanbul
ALEV Vakfı / Foundation	AUSTRIAN SCHOOL elementary education buildings (Primary School, Kindergarten, Sports building) 2001, 80°C/60°C Hot-Water Central Distribution, Heating Ventilation, Cooling, Fire Fighting Installation and Plumbing	20,000	Ömerli/IST.
KÜLTÜR LİSESİ / HIGH SCHOOL	KÜLTÜR2000 Elementary Education building, Sports complex 2001, 80°C/60°C Hot-Water Central Distribution, Heating Ventilation, Cooling, Fire Fighting installation and Plumbing	14,000	Hadımköy/ İSTANBUL

## PUBLIC and COMMERCIAL BUILDINGS


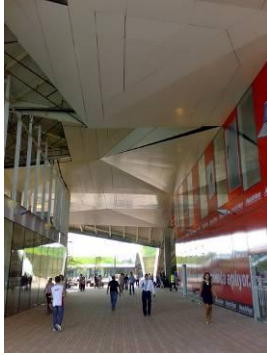


Name or Owner of the PROJECT	Description and Type of System	Roofed Area (m²)	Location
Istanbul Chamber of Industry (Odakule, 22 Floors)	Odakule Office Building and Exhibition Hall and Auditorium 22 Floors, 1971, Fan-Coil System Heating, Cooling and Air Cond.	17,000	Tepebaşı/IST.
Turkish Coal Enterprises (TKİ, 25 Floors)	Headquarters Office Building 1973, 25 Floors, Heating, Ventilation, Cooling, Fan-Coil System.	30,000	Ankara
Anadolu Sigorta A.Ş.	Office Block 1976, Heating, Ventilation, Air-Conditioning, Fan-Coil Systems.	5,000	İzmir
Süt Endüstrisi Kurumu (SEK)	Office Block 1978, Heating, Ventilation, Air-Conditioning, Fan-Coil Systems.	35,000	Ankara
CAM HAN (T. İş Bankası Social Solidarity Foundation)	Office Complex at Balmumcu 1978, Heating Ventilation, Air Conditioning, Fan-Coil System.	22,000	Balmumcu IST.
T.H.Y. Yeşilköy Air Terminal	Air Terminal and Office Buildings 1979, Air-Conditioning, Office Fan-Coil Systems, 170°C/110°C Red-Hot Water Distribution Systems	77,000	Yeşilköy/IST.
Yapı Kredi Plaza (Three Blocks A,B,C, 26 Floors)	Office Building, 26 Floors, 1981, Heating, Ventilation, Air-Conditioning, Fan-Coil System.	78,000	Levent/IST.
Vakko A.Ş.	<ul style="list-style-type: none"> <li>• Multistory Store, Floor Device Air-Conditioning</li> <li>• Beyoğlu 1965</li> <li>• Ankara 1976</li> <li>• İzmir 1977</li> <li>• Vokkorama Rumeli C. 1993</li> <li>• Vakko Suadiye 1996</li> <li>• Factory Outlet and Office 1998</li> </ul>	6,000 4,000 2,000 4,000 3,000 3,000	Istanbul Ankara İzmir Istanbul Istanbul Merter/IST.
TÜBİTAK General Secretariat Building, 25 Floors.	Office Building 1987, Heating, Ventilation, Air-Conditioning, and Induction System.	25,000	Ankara
MERTİM Business Centre, 50 Floors	Mall, Hotel, Office Building 1986-1988, Heating, Ventilation, Air-Conditioning, Fan-Coil Systems.	170,000	Mersin
Sabancı Center		110,000	Levent/IST.





	 <p>Office Building, Double Towered, Towers with 34 and 39 Floors 1987-89, Heating, Ventilation, Air-Conditioning, VAV (Single Duct) System, Fire Fighting and Plumbing Systems.</p>		
Shell Head Office Building	Office Building 1991, Heating, Ventilation, Air Conditioning, Fan-Coil System.	7,500	Altunizade IST.
Yapı Kredi Plaza (D) Block, 25 Floors.	Office Building 1995, Heating, Ventilation, Air-Conditioning, VAV (Single Duct) System, Fire Fighting and Plumbing Installation.	35,000	Levent/IST.
Akmerkez, Etiler	 <p>Shopping Centre, Office 25 Floors, Residents 30 Floors, 1986-89, Heating, Ventilation, Air-Conditioning, Fan-Coil, VAV (Single Duct) Systems, Fire Fighting and Plumbing Installation.</p>	189,000	Etiler/IST.

Zeytinburnu Shopping and Entertainment Centre (OLİVİUM)		72,000	Zeytinburnu İST.
Toprak Bank, Office and Shopping Centre	Shopping Centre, 1995, Heating, Ventilation, Air Conditioning, VAV (Single Duct) Systems, Fire Fighting and Plumbing Installation.		
	Shopping Centre and Office 1997-98, Heating, Ventilation, Air Conditioning, VAV (Single Duct) and VRV-HRV Systems.	45,000	Zincirlikuyu İST.
EGS Technopark		180,000	Yeşilköy/İST.
	Office, Shopping Centre 1996-97, Heating, Ventilation, Air-Conditioning, Fan-Coil, and VAV (Single Duct) Systems, Fire Fighting and Plumbing Installation.		
Central Bank of the Republic of Turkey, Service Building (36 Floors)	Office and Social Building 1997-2000, Heating, Ventilation, Air-Conditioning, VAV (Single Duct) Systems, Fire Fighting and Plumbing Installation.	100,000	Levent/İST.
Istanbul Chamber of Commerce New Service Building	Istanbul Chamber of Commerce New Service Building 1999-2000 Heating, Ventilation, Air-Conditioning, 4-tube Fan-Coil Systems, Fire Fighting and Plumbing Installation.	15,000	Eminönü/İST
Akbank Zincirlikuyu Administration and Training Building	Administration Building 2002 Heating, Ventilating, Air – Conditioning, Four Pipe Fan – Coil System, Training Building 2002, VAV (Single Duct) systems are installed.	5.500	Zincirlikuyu /İST.
Ak-Yatırım Ayazpaşa Head Office Building	Office Building 2003, Heating, Ventilating, Air – Conditioning, Double Pipe Fan – Coil system is applied.	6.000	Ayazpaşa/İST
Akbank – Antalya Branch+Head Office	Office Building 2003, Heating, Ventilating, Air – Conditioning, Mitsubishi KX (VRV) system is applied.	1.500	Antalya
AKBANK OPERATIONS HEAD OFFICE (FORMER BALKANER PLAZA)	Operations Center 2004, Four pipe Fan – Coil System, System Rooms Air-Conditioning, Fire Fighting (Sprinklers and Fire Cabinets) and Plumbing Systems.	35.000	Maslak İST.



HSBC Head Office Building (Esentepe)	Office Building 2007. Heating, Ventilating, Cooling (Four pipe Fan-Coil System.) Fire-fighting and plumbing system	12.000	Esentepe/İST.
MEYDAN SHOPPING MALL	   <ul style="list-style-type: none"> <li>• 40.000 m<sup>2</sup> Carpark area.</li> <li>• 40.000 m<sup>2</sup> Indoor Commerce Space</li> <li>• Ground source heat pumps installed as heating and cooling system</li> <li>• One of the the largest ground source heat pump systems in the world</li> <li>• Total Cooling Capacity: 3 500 kW</li> <li>• Vertical Total Piping: 18 000 m. (ground part)</li> <li>• Vertical and Horizontal Piping: 55 000 m</li> <li>• Won “2008 European Award of Excellence”</li> <li>• Won 2008 Environment Award regarding EU Harmonization Process</li> </ul>	80.000	Ümraniye/İST.
METROPORT SHOPPING MALL AND RESIDENCE	 <p>Metroport Shopping Mall and Residence Building 2007, Water source heat pump system is installed for Shopping Mall. Four pipe Fan-coil system is installed in the residence.</p>	90.000	Bahçelievler/İSTANBUL



<p>CITY'S Nişantaşı Shopping Mall</p>	 <p>CITY'S Shopping Mall 2008, VRV(Variable Refrigerant Volume) system is installed as Heating and Cooling System. 2nd Biggest Shopping Mall working with VRV system in the world. Fire Fighting System and Plumbing System is installed.</p>	<p>50.000</p>	<p>Nişantaşı / İSTANBUL</p>
<p>AKBATI Shopping Mall ve Residence</p>	 <p>AKBATI Shopping Mall and Residence 2011; In shopping mall, water source heat pump system is installed as heating and cooling system In residence, radiator heating and VRF system are used.</p>	<p>230.000</p>	<p>Esenyurt / İSTANBUL</p>

<p>AKASYA Shopping Mall ve Residence</p>	 <p>AKASYA Shopping Mall ve Residence; Water source heat pump system, primary air system and whole air system are combined in shopping mall. In residence, radiator heating and 2-Pipe Fan Coil system are used.</p>	<p>650.000</p>	<p>Acıbadem / İSTANBUL</p>
<p>TARSU Shopping Mall</p>	 <p>Tarsu Shopping Mall; Water source heat pump system is used. In atrium area, natural ventilation is applied. The project has Broom certificate (Very Good degree)</p>	<p>65.000</p>	<p>Tarsus / MERSİN</p>
<p>TEKFEN ESENYURT RESIDENCE</p>		<p>267.000</p>	<p>Esenyurt / İSTANBUL</p>

## TOURISTIC FACILITIES AND SOCIAL BUILDINGS

Name or Owner of the PROJECT	Description and Type of System	Roofed Area (m <sup>2</sup> )	Location
Taksim SHERATON HOTEL (20 Floors)	460-Room Hotel 1969, Heating, Ventilation, Air-Conditioning, Fan-Coil Systems, Fire Fighting and Plumbing Systems.	66,000	Taksim/IST.
Agamemnon Spa	Hotels, Treatment Buildings Provided with Spa Pools, Administrative Buildings etc. 1966, Heating, Ventilation, Steam Systems, Plumbing.	35,000	İzmir
Çorum Binevler	Housing Cooperative, 1,000 Housing Units 1973, 150°C/110°C Red-Hot Water Distribution, 90°C/70°C Heating Systems, Plumbing.	150,000	Çorum
Al-Mahary Hotel	300-Room Hotel in Libya 1976, Heating, Ventilation, Air Conditioning, Fan-Coil Systems, Fire Fighting and Plumbing Installation.	35,000	Tripoli/Libya
Sürmeli Turizm, Ankara Hotel	Ankara Büyük Sürmeli Hotel w/200 Rooms 1982, Heating, Ventilation, Air-Conditioning, Fan-Coil Systems, Plumbing.	20,000	Ankara
Cite Turzim, Sürmeli Istanbul Hotel	Istanbul Sürmeli Hotel w/220 Rooms 1982, Heating, Ventilation, Air Conditioning, Fan-Coil Systems, Plumbing.	22,000	Istanbul
Hotel Marina (Property of Tourism Bank)	Kemer Marina Hotel w/300 Rooms 1984, Heating, Ventilation, Air Conditioning, Fan-Coil Systems, Fire Fighting System, Plumbing.	45,000	Kemer Antalya
T. İş Bankası Fener Yolu Housing Development	T. İş Bankası Social Solidarity Foundation Housing Development (6 Blocks) 1984, 90°C/70°C Central Heating System, Plumbing.	55,000	Kadıköy/IST.
International Hospital (Haifawi Check-Up Medical Centre)	150-Room Hospital 1985, Heating, Ventilation, Air Conditioning, Fan-Coil Systems, Fire Fighting System, Plumbing.	18,000	Yeşilyurt/IST
HAN Turizm (Nov Otel)	300-Room Hotel 1987, HVAC, Fan-Coil Systems, Fire Fighting System, Plumbing.	30,000	Antalya
Hotel Karia Princess	60-Room Hotel in Bodrum 1988, HVAC, Fan-Coil Systems, Fire Fighting System, Plumbing.	8,000	Bodrum
Hotel ERESİN (Topkapı)	220-Room Hotel 1990, HVAC, Fan-Coil Systems, Fire Fighting System, Plumbing.	25,000	Topkapı/IST.
Acıbadem Hospital, Carousel	Hospital 1996, HVAC, VAV (Single Duct) Systems, Fire Fighting System, Plumbing.	15,000	Bakırköy/IST






ELİT PLAZA 2000 (33  
Floors)





Residence and Social Building 1996-98, HVAC, Fan-Coil, VAV  
(Single Duct) Systems, Fire Fighting System, Plumbing.

35,000

Şişli/İST.

Sultanahmet, Four Seasons Otel	 <p>Conversion of the Former Prison into a 65-Room Hotel 1995-96, HVAC, Fan-Coil Systems, Fire Fighting System, Plumbing.</p>	10.000	Sultanahmet İST.
Hasip Paşa Waterside House (Demir Sabancı House)	Mansion, 2001, HVAC, Four pipe Fan – Coil and plumbing system	3.000	Beylerbeyi İST.
AJIA (Ahmet Rasim Paşa Waterside House ) Boutique Hotel	  <p>Conversion of former waterside house into otel, 16 rooms, 2002, HVAC, Four pipe fan-coil system, (Seawater cooling is installed) Fire-fighting and Plumbing system.</p>	1.500	Kanlıca İST.
Pamukkale University Hospital	400 Bed Hospital, 2002, HVAC, Four pipe Fan – Coil, VAV systems, Fire-fighting and Plumbing system.	50.000	DENİZLİ
İSTANBUL Büyük HOTEL (Boutique HÖtel)	24 room hotel, 2003, HVAC, Four pipe Fan – Coil, Fire-fighting and plumbing system	1.600	Akaretler İST.
BODRUM KEMPİNSKY Hotel	280 room hotel, 2004, HVAC, Four pipe Fan – Coil (Seawater cooling is installed), Fire-fighting and Plumbing system.	80.000	Yalıçiftliği Bodrum
İSTANBUL ZEN RESIDENCES (YAPI KREDİ KORAY)	74 Apartments Site 2005, Heating, Cooling, Garage and Social Centre Mechanical Installations, Fire-Fighting System (Sprinkler systems and Fire-Cabinets), Plumbing System	17.500	Kemerburgaz İST.
İSTANBUL BİS RESIDENCES (YAPI KREDİ KORAY)	Site 2006, Heating, Cooling, Garage and Social Centre Mechanical Installations, Fire-Fighting System (Sprinkler systems and Fire-Cabinets), Plumbing System	27.000	Kemerburgaz İST.

Sir Bülent ECZACIBAŞI House (BODRUM)	House Complex belongs to Sir Bulent Eczacıbaşı in Bodrum. Four pipe fan-coil system is installed for heating and cooling Fire Fighting (Hydrants) and Plumbing System	2.500	Cennetkoyu BODRUM
ÇANKAYA-ÇANKAYA PROJECT (YAPI KREDİ KORAY)	Residence in Ankara/Çankaya,Mall and Social Centre Project 2007, <ul style="list-style-type: none"> <li>• VRV system is installed for heating and cooling in Mall</li> <li>• Central radiator system is installed in Residences</li> <li>• VRV system is installed for cooling in Residences</li> </ul>	30.000	Çankaya ANKARA
LYKIA WORLD & LINKGOLF (BELEK)	  <p>LYKIA WORLD &amp; LINK GOLF 2008, Four Pipe Fan-Coil system, Cooling system is installed by using water source from Serik River. The excess water of this cooling system is used as irrigation water for Golf fields. Fire- Fighting system (sprinklers and hydrants and Fire-hose cabinet system ) Plumbing System</p>	120.000	Belek ANTALYA



<p>EYÜP RAMİ LIBRARY</p>	 <p>In project of Eyüp Rami Library, natural ventilation and VAV system are used.</p>	<p>80.000</p>	<p>EYÜP / İSTANBUL</p>
<p>ORYATAŞ HOTEL and OFFICE</p>	 <p>Oryataş Hotel and Office buildings (Crowne Plaza Hotel) have 4-Pipe Fan Coil and VAV system.</p>	<p>60.000</p>	<p>Ümraniye / İSTANBUL</p>
<p>ÜLKER ARENA</p>	 <p>In Ülker Arena, AHUs for ventilation system and 4-Pipe Fan Coil system are used.</p>	<p>100.000</p>	<p>Ataşehir / İSTANBUL</p>



<p>BEŞİKTAŞ VODAFONE ARENA</p>	 <p>AHUs for ventilation system and 4-Pipe Fan Coil system are used.</p>	<p>90.000</p>	<p>Beşiktaş / İSTANBUL</p>
<p>KÜÇÜK ÇAMLICA TV TOWER</p>	 <p>AHUs for ventilation system and 4-Pipe Fan Coil system are used.</p>	<p>20.000</p>	<p>Çamlıca / İSTANBUL</p>
<p>TOPKAPI CITY MUSEUM</p>	 <p>AHUs for ventilation system and 4-Pipe Fan Coil system are used.</p>	<p>38.000</p>	<p>Topkapı / İSTANBUL</p>

## 7. **Quality policy of the Company:**

Our motto is to offer high-quality productions by working under the standards and rules such as TSE Standards, EN Standards, VDI Recommendations, ASHRAE Standards, ASHRAE Handbook sources, SMACNA Rules, NFPA or Vds standards, AMCA, ARI, UL tests and rules, Eurovent regulations, etc.; and to execute the contemporary technology in Turkey in line with the civilized world, introducing all the innovations. While observing the foregoing, we place the emphasis on feasibility and savings.