



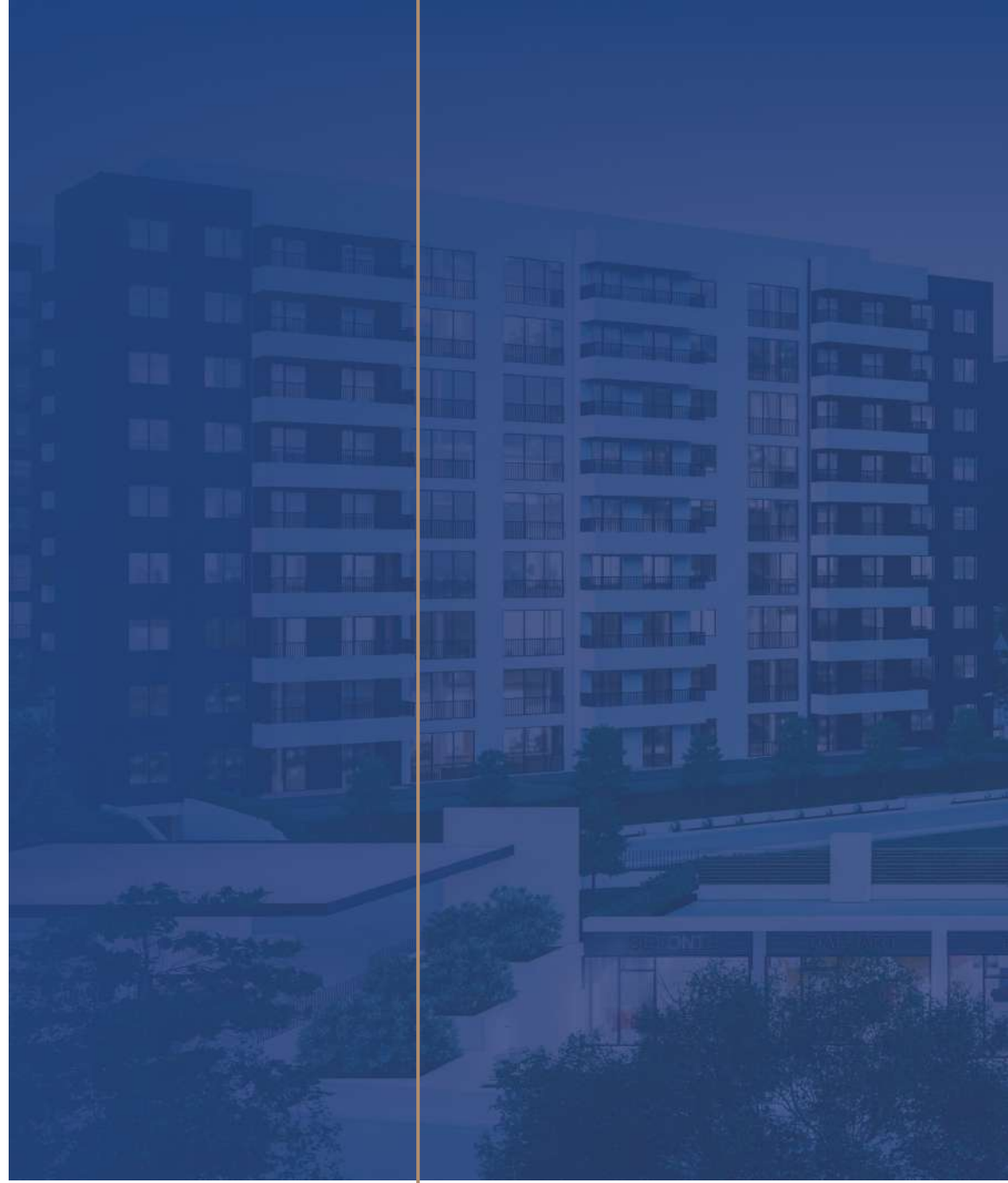
ASML GROUP

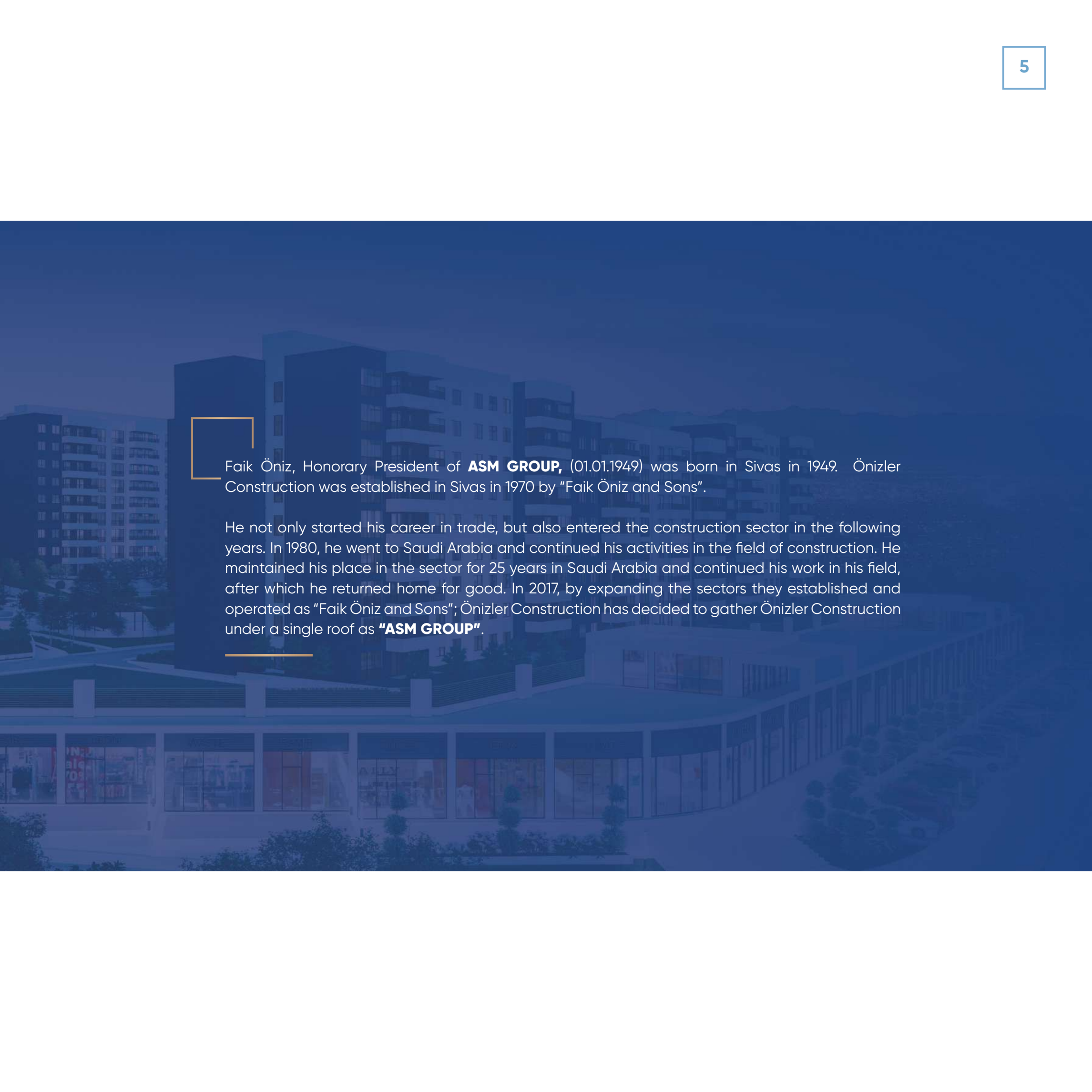


HISTORY



"**ASM GROUP**, with its past experience, strong financial structure and deep-rooted corporate identity, has been involved in the construction sector since its inception with its dedicated and meticulous work on national and international real estate and investment projects. "





Faik Öniz, Honorary President of **ASM GROUP**, (01.01.1949) was born in Sivas in 1949. Önizler Construction was established in Sivas in 1970 by "Faik Öniz and Sons".

He not only started his career in trade, but also entered the construction sector in the following years. In 1980, he went to Saudi Arabia and continued his activities in the field of construction. He maintained his place in the sector for 25 years in Saudi Arabia and continued his work in his field, after which he returned home for good. In 2017, by expanding the sectors they established and operated as "Faik Öniz and Sons"; Önizler Construction has decided to gather Önizler Construction under a single roof as **"ASM GROUP"**.

ABOUT US

ASM GROUP, with its past experience, strong financial structure and deep-rooted corporate identity, has been involved in the construction sector since its inception with its dedicated and meticulous work on national and international real estate investment projects.

For half a century, it has produced and continues to produce projects in accordance with the needs of the period. It has always proved to its environment that it has a great experience with the strategic projects and business plans it has developed.

By closely following the developing construction sector in the world, it has not only continuously improved its production quality, but also adopted the main principle of being closer to its customers by maintaining aesthetics and functionality in its designs. By completing the contracting works it undertakes on time and above the quality levels, it has become a company preferred by its investment partners in the sector. In order to fulfill customer requirements, it pays attention to closely follow the technological innovations in the sector and carries out training activities for the continuous development of its personnel.

ASM GROUP, which set out with the slogan "The Address of Trust in Construction", continues its success with a network of architects, engineers and field teams, each of whom are experts in their field. In the growing construction sector, **ASM GROUP** is not only interested in managing construction, but also in the whole process of construction management. In every project, from pre-construction to completion, **ASM GROUP** ensures healthy real-time collaboration with the project team and utilizes the latest technologies throughout the process.

ASM GROUP, with its half a century of history, has been the first choice of housewives with its innovative designs, the latest technologies, project management process and housing projects in the region where human needs are unlimited today.

By delivering the projects it has started in the contracting sector to its customers on time and in full, it continues on its way with its principles and goals without sacrificing quality and sustainable growth in order to sign new projects at home and abroad.

Our company, which maintains its success in the construction sector by maintaining a network of architects, engineers and field teams, each of whom are experts in their field, ensures healthy real-time cooperation with the project team in every project, from pre-construction to completion, and utilizes the latest technologies throughout the process.

Since its establishment, it has taken its place with its well-established corporate identity thanks to its national quality, devoted and meticulous work. It has been a pioneer in the sector with its turnkey real estate investment projects, university faculties, official buildings, military lodgings, military air bases, industrial facilities and infrastructure projects realized in Turkey and abroad with its quality standards together with the solutions and services it offers. It continues to realize many qualified, high quality and innovative projects.

**DOING
TO BEST**

MISSION

To ensure customer satisfaction and to provide a sincere, reliable, professional service by transforming it into permanent friendship. To increase its quality by renewing itself with its always entrepreneurial, innovative and open to development identity. To be a company that always strengthens its name and its place in the sector with our quality and innovative projects that we have signed in the construction sector we specialize in.

VISION

To create new, high quality, reliable and peaceful living units by preparing quality projects worthy of its name and reliability in the sector and by prioritizing the satisfaction of its valued customers.

MORE THAN **HALF A CENTURY**



INVESTMENTS

Projects we design for differentiating needs

01 CONSTRUCTION

02 ENERGY

03 FOOD

04 HEALTHCARE

05 FURNITURE

CONSTRUCTION

ASM GROUP continues to rise in the construction sector, which has a great importance from population growth to new investment needs, by using developing technologies and considering differentiating needs. From housing needs to modern buildings and efficient infrastructures, the construction sector, which is comprehensive and in constant need, also incorporates innovative solutions in the light of technological changes. Smart technologies have also taken their place in the construction sector and started to be integrated into urban applications.

In this direction, **ASM GROUP** continues to operate in the light of new technologies for differentiating needs with its professional knowledge and experience in the field of construction and construction services.





ENERGY

ASM GROUP, entered the energy sector, which is indispensable for our world and humanity, in 2010. It has carried out research and development activities in all branches of the energy sector. In 2015, it started to work on "Renewable Energy".

With the first Solar Power Plants in the Çanakkale region, it has gained the distinction of being both its own first in the field of energy and the first in the region.

ASM GROUP holds a 49-year "charging network operator licence" valid throughout Turkey, officially issued by the "Energy Market Regulatory Authority". It carries out the installation and operation of electric vehicle charging station network as "**ÖNİŞARJ**" brand.

Our group, which has a keen interest in all branches of renewable energy, develops projects in the fields of wind energy, energy production from landfill gas and geothermal energy as well as solar energy electricity generation.





FOOD

Our company has established a packaging facility on dates in **Medina, Saudi Arabia** and exports the quality and delicious dates it buys from here to many countries under the brand of "**Medina Date World.**"

ASM GROUP takes its place among the leading companies in the food sector by adopting the principle of respect and honesty service to the consumer, customer, employees and business partners, offering the best quality product at the most affordable price without compromising quality and health, with its innovative works and investments for the future. Product quality is maintained, developed and continuously improved under favourable conditions. Our company, which prioritises quality service understanding, realises the service it provides in this direction by working in a team spirit and achieving the targets without error, fast and under assurance.





HEALTHCARE

As **ASM GROUP**, we see the quality of the products we use in all our projects in the health sector, the efficiency we provide to hospitals and health institutions and the high level of satisfaction in our services as the most important value that differentiates our business and we explain the success of signing long-term projects with these competencies.

Responsibilities and services for human health are of great importance for both public institutions and organizations and private sector organizations. The changes brought about by technological developments and needs are reflected in many solutions in the health sector. The integration of medical processes, which are among the services provided by health institutions and organizations, with information technologies has enabled our services to be offered in the market with high efficiency and without any margin of error.





OUR PROJECTS

As **ASM GROUP** and its brands, we have realized many successful projects so far and we are working non-stop for a new one every day with the excitement we carried on the first day.

COMPLETED PROJECTS

- **Burç-1** 4 Blocks | 123 Housing
- **Şehr-i Huzur Prestij** 2 Blocks | 39 Housing
- **Şehr-i Huzur Gold** 3 Blocks | 85 Housing
- **Platin-1** 4 Blocks | 180 Housing
- **Bağlıca Vela** 3 Blocks | 102 Housing
- **Platin- 2** 2 Blocks | 120 Housing
- **Burç- 2** 4 Blocks | 24 Housing
- **Öniz Bağdat** 176 Offices | 23 Shops
- **ASM Öniz Konutları** 1 Blocks | 52 Housing
- **Sivas Kızılırmak** 1 Blocks | 30 Housing | 7 Shops
- **Öniz Bağlıca** 2 Blocks | 63 Housing | 4 Shops
- **Gölbaşı Villaları** 4 Blocks | 8 Duplex Villas
- **Öniz Doğa** 1 Blocks | 32 Housing
- **Öniz Yaşam** 6 Blocks | 30 Housing
- **Öniz Nirvana Susuz** 2 Blocks | 90 Housing
- **Öniz Butik** 1 Blocks | 16 Housing
- **Bayrakepe Konutları** 14 Blocks

OUR PROJECTS ABROAD

- Medina Taibah University English Language Center
- Medina Social Services Center (Expansion and Restoration Project)
- Dahrn Eastern Region Military Base (Air Force Lodging Construction Project)
- Riyadh Kharj Military Air Base Project
- Dahrn Military Housing Project
- Medina Provincial Directorate of National Education Service Building Project
- Taibah University Faculty of Foreign Languages Project

Gas Station Projects

- Jubeyl Road 274 Petrol Station Project
- Jubail Road 263 Petrol Station Project
- Jubeyl Road 264 Petrol Station Project
- Khalidiye 3 Petrol Station Project
- Najem 1 Petrol Station Project
- Dammam Maarat Petrol Station Project

ONGOING PROJECTS

- **Öniz Center** 21 Blocks / 2500 Housing - 50.000 m2 Commercial Area
- **Öniz Zümrüt** 18 Blocks /54 Housing
- **Öniz Safr** 1 Blocks / 15 Housing
- **Öniz 500 Evler** 14 Blocks / 518 Housing
- **Öniz Göksu** 2 Blocks, 58 Units of 4+1 Apartments and 2 Shops

ÖNİZ CENTER

Project Address:

Saraycık Mah. Sincan/ ANKARA

End Date:

2028

Project Details:

Our project consisting of 2500 apartments consisting of 21 blocks and 50.000 m2 commercial area on 102192 block 1 parcel, 102193 block 1 parcel and 102198 block 1 parcel of the zoning in Ankara province, Sincan district, Saraycık Neighborhood will be built by ASM GROUP.

It is designed as a project that will add value to the Saraycık region and raise living standards.





ÖNİZ ZÜMRÜT

Project Address:

Yeni Bağlıca Mah. Zirve Cad. No:69
Etimesgut/ANKARA

End Date:

2024

Project Details:

It is designed as a project that will add value to the Bağlıca region and raise living standards. Yeni Bağlıca Neighborhood, one of the most important neighborhoods of Etimesgut district, is close to the National Intelligence Organization, Başkent University, Koru Metro Station and Mesa Plaza Shopping Center, making the location of the project important.





ÖNİZ SAFİR

Project Address:

Yeni Bağlıca mah. Zirve Cad.
Etimesgut/ANKARA

End Date:

2024

Project Details:

Our project, which includes 15 6 + 1 independent villas consisting of 15 blocks of 15 blocks and 15 2 + 1 and 4 + 1 apartments consisting of 1 block, will be built by ASM GROUP in Ankara province, Etimesgut district, Yeni Bağlıca neighborhood on 47190 block 8 parcel of zoning. It is designed as a project that will add value to the Bağlıca region and raise living standards.





ÖNİZ 500 EVLER

Project Address:

Saraycık Mahallesi Ankara/Sincan

End Date:

2025

Project Details:

ASM GROUP has started to construct 518 houses and 29 shops consisting of 13 blocks in Ankara Province, Sincan District, Saraycık Neighborhood on Block 102202, Parcel 1 of the zoning.





ÖNİZ GÖKSU

Project Address:

Susuz Mah. Sancak Cad. No:11
Yenimahalle/ANKARA

End Date:

2024

Project Details:

Offering you a pleasant and comfortable life, ÖNİZ GÖKSU project is being built with the assurance of ASM GROUP.

The project, which is worthy of modern cities, fascinates with its aesthetic architecture and offers high return real estate investment, is being built right next to Göksu Park and Istanbul Road in the Susuz Neighborhood of Yenimahalle district, the rapidly developing region of Ankara.





ÖNİZ YAŞAM

Project Address:

Bağlıca Mah. Nurhayat Cad. No:2
Etimesgut/ANKARA

End Date:

2023

Project Details:

It is being built by ASM GROUP as 30 4+1 duplex villas consisting of 6 blocks on 46884 Block 4 Parcel of the zoning in Bağlıca Neighborhood, Etimesgut District, Ankara Province.

Öniz
yaşam





GÖLBAŞI

VİLLALARI

Project Address:

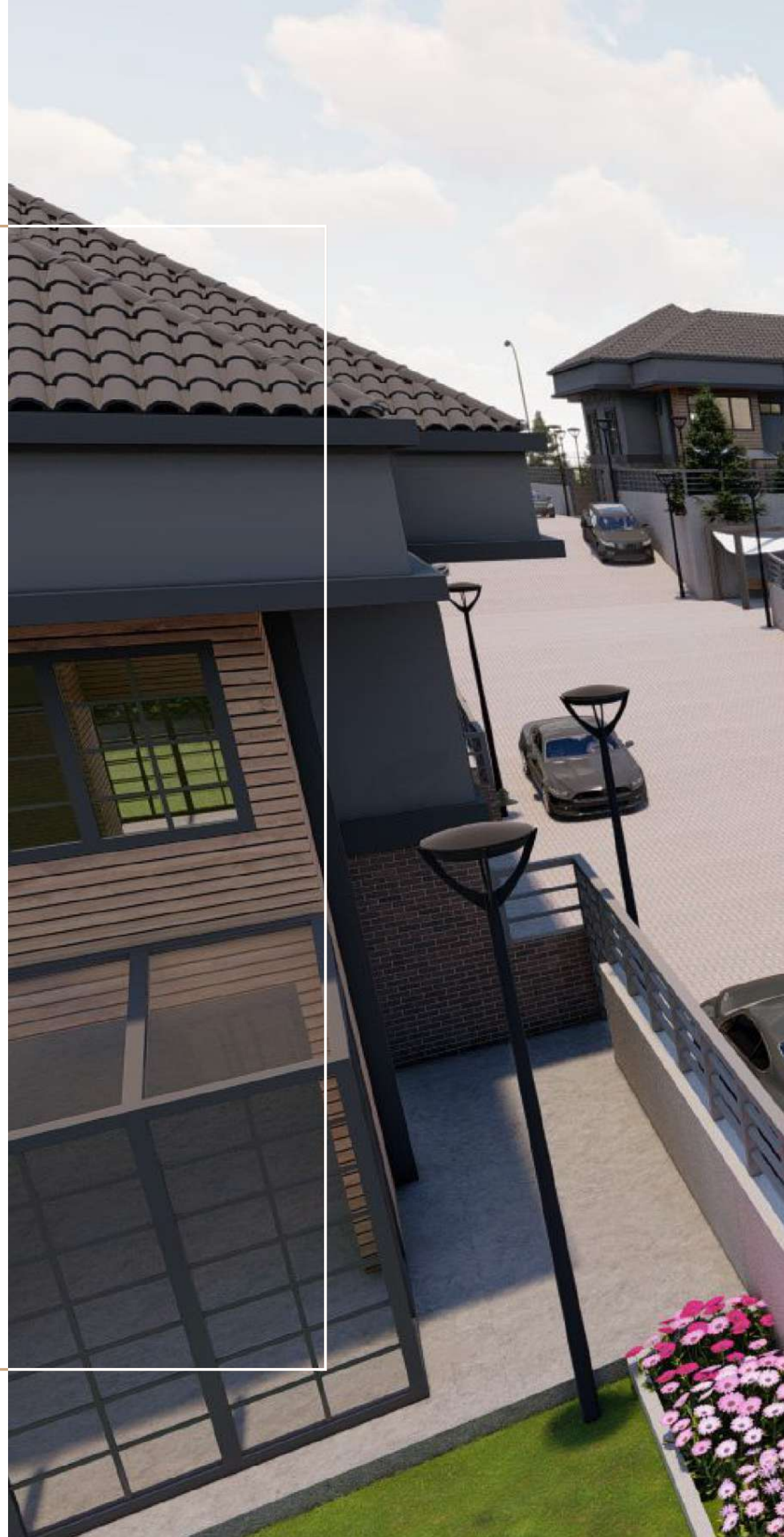
Ballıkpınar Mah. 125 Ada 15 Parsel
Gölbaşı/ANKARA

End Date:

2022

Project Details:

Ankara Province, Gölbaşı District, Ballıkpınar Neighborhood, on the 125 Block 5 Parcel of the zoning, 8 duplex villas consisting of 4 blocks was built by ASM GROUP.





ÖNİZ NİRVANA

Project Address:

Susuz Mah. 5302. Cad. No:1
Yenimahalle/ANKARA

End Date:

2023

Project Details:

Ankara Province, Yenimahalle District, Susuz It is being constructed by ASM GROUP as 90 units of 4+1 residences and 2 shops consisting of 2 blocks on 63339 Block 4 Parcel of the zoning in the neighborhood.





ÖNİZ BUTİK

Project Address:

Bağlıca Mah. Etimesgut/ANKARA

End Date:

2023

Project Details:

Ankara Province, Etimesgut District, Bağlıca Neighborhood, on 47006 Block 3 Parcel of the zoning, 16 4+1 houses consisting of 1 block were built by ASM GROUP.

ÖNİZ BUTİK





ASM ÖNİZ

KONUTLARI

Project Address:

Topçu Mah. 1558. Cad. No:27
Etimesgut/ANKARA

End Date:

2020

Project Details:

It was constructed by ASM GROUP as 1 Block 52 units of 3+1 houses on Block 47113, Parcel 2 of the zoning in Ankara Province, Etimesgut District, Topçu Neighborhood.





BAĞLICA VELA

Project Address:

Ahi Mesut Mah. 2215. Cad. No:1
Etimesgut/ANKARA

End Date:

2015

Proje Detayları:

It was constructed by ASM GROUP as 102 3+1 houses in 3 blocks and 8 4-storey villas in 4 blocks on 46167 Block 5 Parcel of the zoning in Ankara Province, Etimesgut District, Ahi Mesut Neighborhood.





SİVAS

KIZILIRMAK

Project Address:

Sivas/Merkez

End Date:

2019

Proje Detayları:

It was constructed as 1 Block 30 houses and 7 shops on Block 6269, Parcel 1 of the zoning in Sivas Province, Central District, Kızılırmak Neighborhood.



ÖNİZ BAĞDAT

Project Address:

Serhat Mah. 1123. Cad. No:3, Yenimahalle/ANKARA

End Date:

2020

Project Details:

It was constructed by ASM GROUP as a total of 199 independent units consisting of 176 office type apartments and 23 shops on block 6296, parcel 2 of the zoning in Ankara province, Yenimahalle district, Serhat neighborhood.



ÖNİZ DOĞA

Project Address:

Bağlıca Mah. Yeşileğin Cad No:25
Etimesgut/ANKARA

End Date:

2022

Project Details:

It was constructed by ASM GROUP as a single block of 32 residences on Block 48823, Parcel 7 of the zoning in Bağlıca Neighborhood, Etimesgut District, Ankara Province.



PLATİN 1

KONUTLARI

Project Address:

Eryaman Mah. 315. Sok. No:20, Etimesgut/ANKARA

End Date:

2014

Project Details:

It was constructed by ASM GROUP as 180 3+1 and 4+1 residences in 4 blocks on 48964 Block 2 Parcel of the zoning in Ankara Province, Etimesgut District, Eryaman, Neighborhood.



ŞEHR-İ HUZUR GOLD

Project Address:

Eryaman Mah. 314. Sokak Etimesgut/ANKARA

End Date:

2013

Project Details:

It was constructed by ASM GROUP as 85 residential units in 3 blocks on parcels 2 and 3 of Block 45926 of the zoning in Eryaman Neighborhood, Etimesgut District, Ankara Province



PLATİN 2

KONUTLARI

Project Address:

Eryaman Mah. Akıncı Cad. No:4, Etimesgut/ANKARA

End Date:

2015

Project Details:

It was constructed by ASM GROUP as 120 houses in 2 blocks on Block 45928, Parcel 1 of the zoning in Ankara Province, Etimesgut District, Eryaman Neighborhood.



BURÇ 1

KONUTLARI

Project Address:

Süvari Mah. 1768. Cad No:5, Etimesgut/ANKARA

End Date:

2011

Project Details:

It was built by ASM İNŞAAT as 4 Block 123 Houses on Block 46088 Block 1 Parcel of the zoning in Ankara Province, Etimesgut District, Süvari Neighborhood.



ÖNİZ BAĞLICA

Project Address:

Bağlica Mah. Avmer Cad. No:10, Etimesgut/ANKARA

End Date:

2019

Project Details:

It was constructed by ASM İNŞAAT as 2 blocks of 63 houses and 4 shops on Block 49331, Parcel 1 of the zoning in Bağlica Neighborhood, Etimesgut District, Ankara Province.



BURÇ-2

KONUTLARI

Project Address:

Ahi Mesut Mah. 1776. Cad. No:10, Etimesgut/ANKARA

End Date:

2015

Project Details:

It was constructed by ASM GROUP as 240 units of 3+1 houses in 4 blocks on Block 46096, Parcel 9 of the zoning in Ankara Province, Etimesgut District, Ahi Mesut Neighborhood.



ŞEHR-İ HUZUR PRESTİJ

Project Address:

Eryaman Mah. Şapka Devrimci Cad. No:18
Etimesgut/ANKARA

End Date:

2011

Project Details:

It was constructed by ASM GROUP as 2 blocks of 39 residential units on Block 45923, Parcel 1 of the zoning in Ankara Province, Etimesgut District, Eryaman Neighborhood.



ÖNİZ NİRVANA KIRIKKALE

Project Address:

Erenler Mah. 417. Sok. No:3 Yahşihan/KIRIKKALE

End Date:

2025

Project Details:

In Kırıkkale Province, Yahşihan District, Erenler Neighborhood, on Block 1763, Parcel 2 of the zoning, 193 housing units consisting of 3 blocks and 2 shops will be started to be built by ASM GROUP very soon.

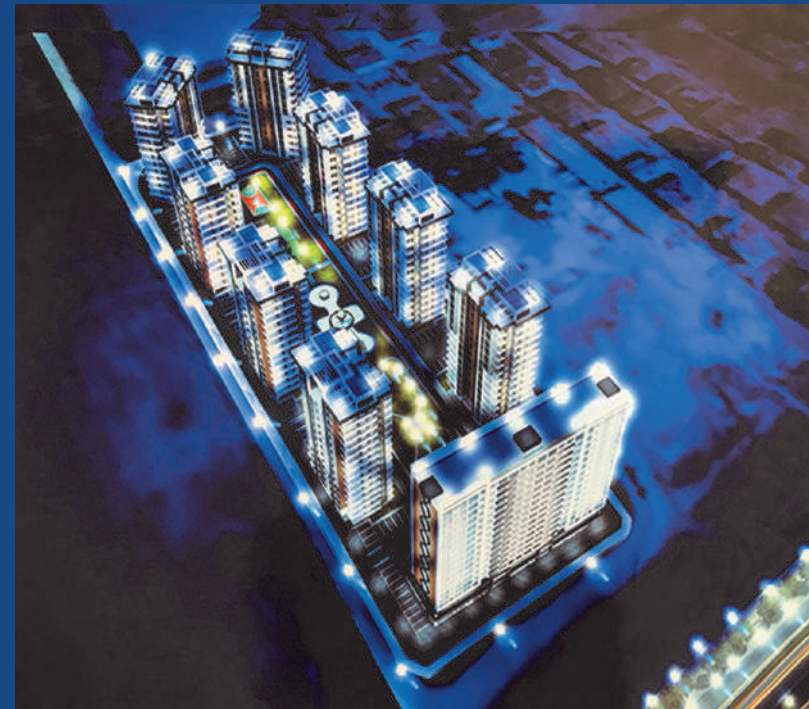
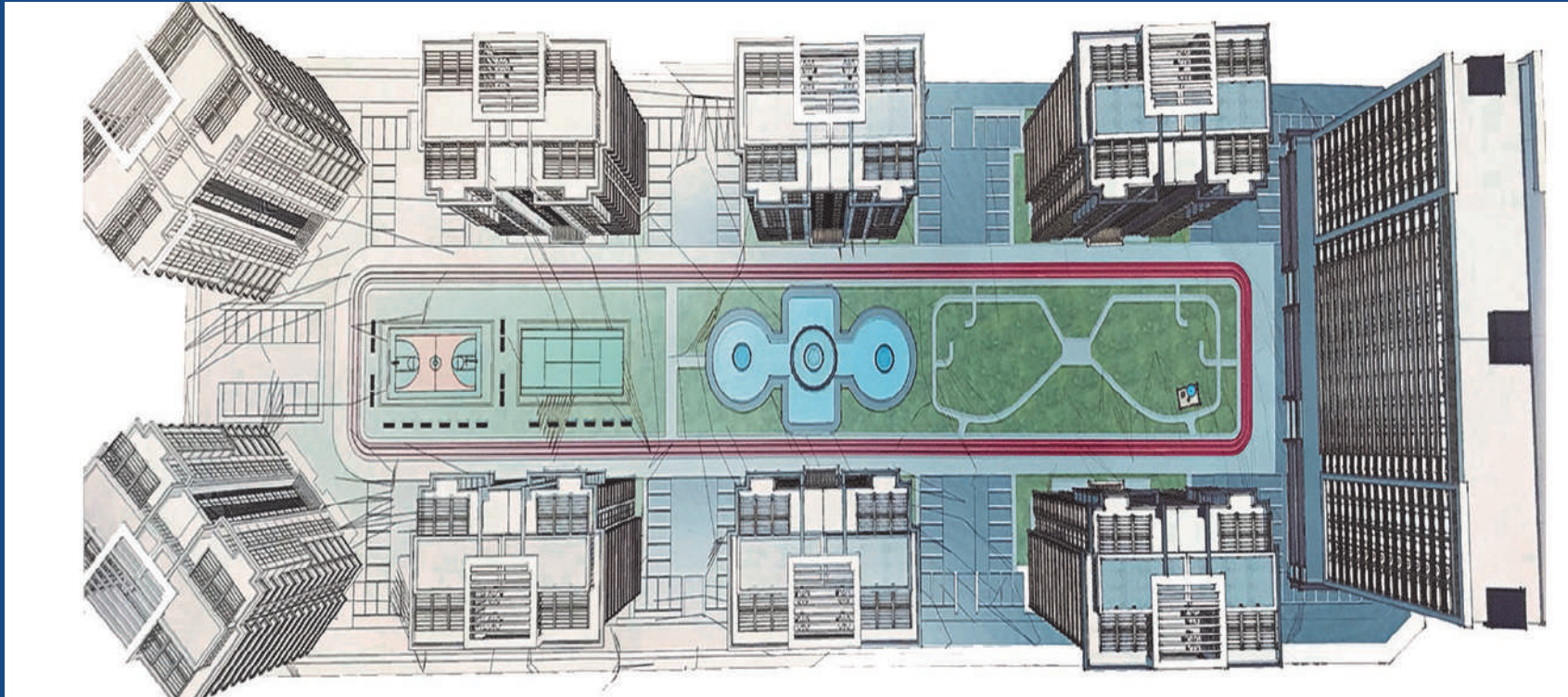




LANDMARK PROJECT



BLOCK 11436, PARCEL 1



BLOCK 48304, PARCEL 1



BLOCK 11436, PARCEL 1



ERYAMAN HOUSING PROJECT

SAUDI ARABIA

PETROLEUM STATIONS



MEDINA TAIBAH UNIVERSITY





**MEDINA SOCIAL SERVICES CENTER
(EXPANSION AND RESTORATION PROJECT)**



**MEDINA PROVINCIAL DIRECTORATE
OF NATIONAL EDUCATION SERVICE BUILDING
PROJECT**





WE ARE WITH YOU FOR YOUR HEALTH

As **ASM GROUP**, we see the quality of the products we use in all our projects in the health sector, the efficiency we provide to hospitals and health institutions and the high level of satisfaction in our services as the most important value that differentiates our business and we explain the success of signing long-term projects with these competencies.

Responsibilities and services for human health are of great importance for both public institutions and organizations and private sector organizations. The change brought about by technological developments and needs is reflected in many solutions in the health sector.

The integration of medical processes, which are among the services provided by healthcare institutions and organizations, with information technologies has enabled our services to be offered in the market with high efficiency and without any margin of error.

MISSION

To achieve excellence and ensure the continuity of this service with a humanoriented health service approach, while adhering to social and medical ethics.

VISION

As an uncompromising follower of scientific developments and a pioneer in the use of modern technology; our goal is to be **“a brand organization that comes to mind first when it comes to rehabilitation”** with our quality, fast, safe, compassionate and affordable health service in modern, clean and spacious spaces.



Founded in 2003, our 182-bed hospital has been operating as **Private Middle East Physical Therapy Hospital** since then. Our hospital has been specially designed with high-tech devices in the field of Physical Therapy and Rehabilitation and offered to the service of our patients.

Our goal is to serve our patients with experienced specialist doctors, physiotherapists and auxiliary health personnel with the principle of **"HEALTH FIRST"** with warmth and sincerity that will make our patients feel at home.



**HEALTH
FIRST**

OUR MEDICAL UNITS



EMERGENCY SERVICE



HOME CARE SERVICES



**PHYSICAL THERAPY
AND REHABILITATION**



INTERNAL DISEASES



CARDIOLOGY

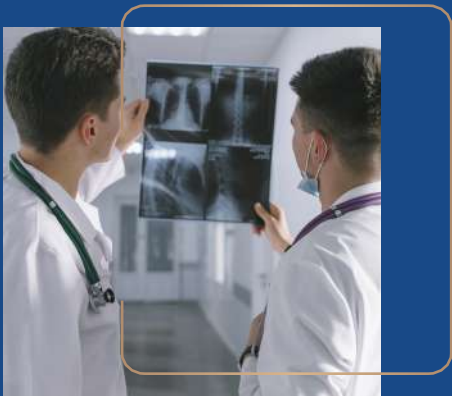


LABORATORY



**PALLIATIVE CARE
(GERIATRICS)**

OUR MEDICAL UNITS



RADIOLOGY



NEUROLOGY



PSYCHIATRY



**PEDIATRIC
OUTPATIENT CLINIC**



OPEN MRI



**SPEECH AND
SWALLOWING THERAPY**



DERMATOLOGY

ESM
GROUP





ESM GROUP GRANITE MARBLE

Founded in 2004, our company was engaged in various contracting works, entered the restructuring process in 2010 and reorganized under the name **ESM GRUP GRANITE MARBLE CONSTRUCTION FURNITURE FURNITURE PVC LTD ŞTİ** and has been working intensively in **GRANITE, MARBLE, FURNITURE, PVC and CONSTRUCTION** since then. Currently, Ahi Evran Mahallesi 214.Cad 23.Sok No: 3 Sincan / Ankara continues to manufacture in our workshop and factory at the address. With the sense of pride and trust given by our works that work smoothly all over the country in various fields, we continue our work with the determination to always do the best with years of experience, knowledge, technical staff and project archive.

We realize and produce the production we have made through the most modern machines and present it to the service of our customers with our well-equipped teams. Our company has set customer satisfaction as a mission with its production quality, workmanship and services since the day it started its activities and one of its most important goals is to become a world company by constantly improving its customer portfolio.



The importance of having rich raw material resources in the development of countries and shaping their future is a well-known fact. The common view adopted in all economic systems applied in the world today is the importance and indispensability of raw material input within the elements of production. Accordingly, countries rich in underground resources are countries that have largely completed their development.

In 2021, marble from mines across the country was shipped to more than 100 countries. In 2021, exports of block marble increased by 23.80 percent compared to 2020, from **1.05 billion dollars to 1.3 billion dollars**, while exports of processed marble increased by 18 percent from **678 million dollars to 800 million dollars**. The sector's block and processed marble exports provided the country with a foreign currency inflow of 2.1 billion dollars.

It is known that marble reserves in Mediterranean countries such as **Italy, Spain and Greece**, to which we have exported until today, are gradually decreasing and quarries are becoming inefficient. **Italy and Spain** have started to offer hard stones instead of marble in the world markets. For this reason, **China, India, Brazil and the Republic of South Africa**, which produce granite, dominate the world hard stone market.

In our country, granite production is not at a level to dominate the world trade. In fact, **about 40 million dollars** worth of granite is imported every year and these granites are generally used in public institutions. On the other hand, the private sector also exports granite abroad. There is a contradiction here. However, our country is also rich in granite reserves. However, if the necessary attention and investment is made, our granite production will increase. There are rich granite deposits especially in Paleozoic aged lands. The best example of this is the Kozak (Bergama) region.

There are quite a lot of granite reserves here, but the potential cannot be fully utilized as there are no modern and large enterprises. Production is carried out with small-scale granite processing workshops. If necessary investments are made in such regions, the existing potential can be utilized.

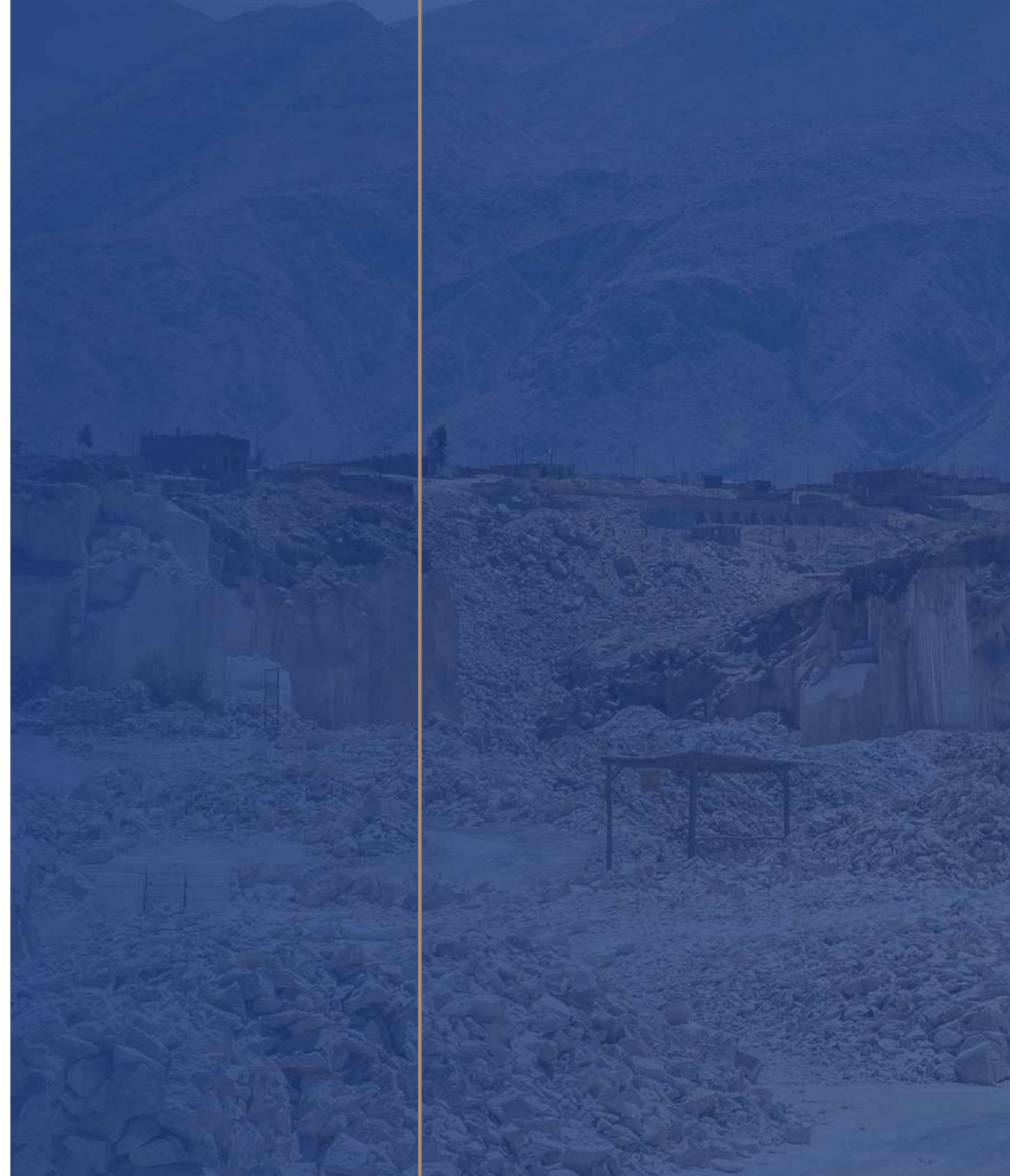
MARBLE SECTOR IN TURKEY

EXPORT

When we look at the composition of Turkey's exports in the natural stone sector, we see that **China ranks first with a share of 31.2%**. Exports to China decreased by approximately 22% in 2020 in the relevant sector and were realized at around USD 540 million.

In addition, in the natural stone sector, not only exports to China but also the total exports of the sector decreased by approximately 7% in 2020, and the sector's exports amounted to USD 1.73 billion at the end of 2020.

Apart from marble, Turkey's other important export products in the natural stone sector are block and processed granite. In 2020, we exported a total of USD 31.6 million worth of granite.



IMPORT

When we look at Turkey's import composition in the natural stone sector in 2020, it is seen that India ranks first with a share of approximately **32.3%**. India is followed by Italy with a share of **15.1%** and Spain with **13.6%**. **In 2020**, there was an increase of approximately 17% in the sector's Imports compared to the previous year.

When we look at the product composition of Turkey's imports in the natural stone sector, it is seen that, contrary to the export composition, processed granite ranked first with approximately **USD 56.7 million** of imports in 2020.



**GLB
ENERJİ****ARM
SOLAR**

Our sister companies established under the names “GLB Energy Production and Marketing” and “ARM Solar Electricity”, which are engaged in the production and operation of photovoltaic energy, are one of ASM Group’s projects in the field of renewable energy. Our solar power generation plant in Çanakkale has a photovoltaic production power of 990 kW/h. Our facilities, which produce clean and renewable energy, continue to produce uninterrupted, high quality and environmentally friendly energy since 2017.

ASM GROUP, entered the energy sector, which is indispensable for our world and humanity, in 2010. It has been involved in research and development activities related to all branches of the energy sector. In 2015, it started to work on "Renewable Energy". With the first Solar Power Plants in the Çanakkale region, it has gained the distinction of being both its own first in the field of energy and the first in the region.

In this context, a total of 9 projects of 1 MW each have been realized in Çanakkale. While 5 of them are actively generating electricity, R&D studies are ongoing in 4 of them. In addition, Project Developments continue in Sivas, Ankara, Kayseri and Karaman.

Our group, which has a keen interest in all branches of renewable energy, develops projects in the field of wind energy, landfill gas power generation and geothermal energy as well as solar energy power generation.

The goal of **ASM GROUP** in the field of energy is to reduce the energy dependency of our country by adding one more stone every year and to provide our nation with the service of our National Energy.



1 MW SOLAR POWER PLANT PROJECT CANAKKALE



**1 MW SOLAR POWER PLANT
PROJECT CANAKKALE**



1 MW SOLAR POWER PLANT PROJECT CANAKKALE



1 MW SOLAR POWER PLANT PROJECT CANAKKALE

A photovoltaic power station, also known as a solar park, solar farm or solar power plant, is a large-scale grid-connected photovoltaic power system (PV system) designed for commercial power supply. They differ from building-mounted and other decentralized solar power because they supply power at the grid level rather than to a local user or users. Utility-scale solar is sometimes used to describe such projects.

This approach differs from concentrated solar power, the other large-scale solar power generation technology that uses heat to drive various conventional generator systems. Both approaches have their own advantages and disadvantages, but to date, for a variety of reasons, photovoltaic technology has seen much wider use. As of 2019, around 97% of utility-scale solar capacity is PV.

In some countries, the nameplate capacity of photovoltaic power stations is rated in megawatt-peak (MWp), which refers to the theoretical maximum DC power output of the solar array. In other countries, the manufacturer specifies the surface and efficiency.

But Canada, Japan, Spain and the United States usually specify to use the lower rated power output converted in MWAC, a measure more directly comparable to other forms of power generation. Most solar parks are being developed on a scale of at least 1 MWp. As of 2018, the world's largest photovoltaic power plants in operation exceeded 1 gigawatt. At the end of 2019, nearly 9,000 solar farms were larger than 4 MWAC (utilityscale) and had a total capacity of over 220 GWAC.

Most existing large-scale photovoltaic power plants are owned and operated by independent power producers, but the participation of community and utility-owned projects is increasing. Previously, almost all were at least partially supported by regulatory incentives such as feed-in tariffs or tax credits, but since levelized costs have fallen significantly in the 2010s and grid parity has been reached in most markets, external incentives are generally not needed.

PHOTOVOLTAIC PLANT

The land area required for a desired power **output varies depending on the location, the efficiency of the solar panels, the slope of the site and the type of mounting used.** Fixed tilt solar arrays using typical panels with about 15% efficiency on horizontal sites require about 1 hectare/MW in the tropics, rising to over 2 hectares in northern Europe.

Due to the longer shadow cast by the array when tilted at a steeper angle, this area is typically about **10% higher for an adjustable tilt array or a single-axis tracker** and 20% higher for a 2-axis tracker, but these figures will vary depending on latitude and topography.

In terms of land use, the best locations for solar parks are considered to be brownfield sites or where there are no other valuable land uses. Even in cultivated areas, a significant portion of a solar farm site can also be **dedicated to other productive uses, such as crop cultivation or biodiversity.** The change in albedo affects local temperature. One study claims an increase in temperature due to the heat island effect, while another study claims that in arid ecosystems the environment becomes cooler.

Solar panels generate **direct current (DC)** electricity, so solar parks need conversion equipment to convert it into **alternating current (AC)**, the form transmitted by the electricity grid. This conversion is done by inverters. Solar power plants also switch the electrical load within inverters or as separate units to maximize their efficiency. These devices keep each solar array close to its highest power point.

There are **two basic alternatives** to configure this conversion equipment; centralized and string inverters, but in some cases individual or micro inverters are used. Single inverters allow the output of each panel to be optimized and multiple inverters increase reliability by limiting the loss of output when an inverter fails.

SETTLEMENT AND LAND USE

önizsarj



ELECTRIC VEHICLE CHARGING STATION NETWORK OPERATION AND PRODUCTION OF CHARGING STATIONS

ASM Group holds a 49-year “**charging network operator license**” valid throughout Turkey, officially issued by the “**Energy Market Regulatory Authority**”. ASM Group realizes the installation and operation of electric vehicle charging station network as “**ÖNİZŞARJ**” brand.

In order to create a faster, more reliable and high quality service network for electric vehicle users, we prefer DC charging units at our charging stations. Electric vehicle users who meet the charging needs of their vehicles for around half an hour can spend more time for themselves and their loved ones for the rest of the day.

Among our short-term targets, **Önizşarj**'s energy needs will be met from its **own licensed storage renewable energy** sources and other clean energy sources. Thus, **ASM Group**'s energy projection will be achieved by realizing a continuous clean energy cycle.

In the 2nd half of 2023, **ASM Group** will start the production of electric vehicle charging stations in Ankara and will focus on the **production of DC electric vehicle charging stations**. In addition to using the electric vehicle charging stations it produces in projects in Turkey, it also **aims to expand to the international market**.





"As we move towards our goal to contribute to our country's need for National Electric Vehicle Charging Stations, we draw our roadmap with our belief in innovation and development."

ASM GROUP

The Paris Agreement is a legally binding international agreement on climate change. It entered into force on November 4, 2016 by 196 States Parties. **It aims to limit global warming to preferably 1.5 degrees Celsius compared to pre-industrial levels.** Its other goal is to achieve a **global zero in greenhouse gas emissions** to achieve a climate-neutral world by 2050.

The Paris Agreement leads developed countries to **"provide financial assistance"** and **"technology development and technology transfer"** to less well-equipped and more vulnerable countries.

www.onizsarj.com





FROM 2022 TO THE FUTURE

Transportation and Communication Technologies have become an indispensable element of daily life, giving us the opportunity to reach distances we could not reach before and to reach people we could not reach before. It has also changed the nature of our world and humanity, gently but completely.

But there is great support for the effort to rebuild a sustainable environment to leave a livable world for the future. To reduce the environmental impact of transportation, e-transportation needs to be adopted by everyone. Businesses play a key role in this. As Önizşarj, our goal is to make e-transport cleaner and more accessible.

We will continue to provide the infrastructure and expertise needed to embrace e-transportation, offering all the support to keep our customers happy and vehicles on the move.

“The Concept of “Electric Vehicles Charging Network”;

An electric vehicle charging network is an infrastructure system of charging stations for charging electric vehicles. In Turkey, **“CHARGING SERVICE REGULATION”** was announced by the Energy Market Regulatory Authority (EMRA) published in the Official Gazette dated 02.04.2022 and numbered 31797. The purpose of this Regulation covers “the procedures and principles regarding the establishment and operation of charging units and charging stations where electric energy is provided to electric vehicles, the establishment of charging network, the licensing of charging network operators and the regulation of their activities, the rights and obligations of charging network operators and charging station operators and users, the establishment and operation of free access platform”. However, non-commercial private charging stations and charging units installed by users for their own needs are not required to be connected to a charging network.

Our AC charging solutions for private use

- It allows you to start, stop, track charging, set charging times and manage other charging operations.
- It can charge up to 8 times faster than a wall socket and generates enough power to travel 100 km in one hour of charging.
- Compatible with all electric vehicles in accordance with EU EN61851 standard.
- It is connected to the network management system via an internet connection, giving the user maximum control and enabling more efficient and economical charging.
- Different Color Options – Standard blue, green, orange colors are available. It can be requested in different colors depending on your request.

Our AC charging solutions for commercial use

- By combining our software applications with our station network management system, we make it possible for EV charging station owners to control their stations from anywhere with an internet connection.
- In cases where there are multiple users, it offers fair charge management by ensuring that users are billed for their usage.
- Compatible with all electric and plug-in hybrid vehicles in accordance with the EN61851 standard adopted by the European Union.
- All reporting, payment management and station management operations can be easily performed through the internet portal.
- Payment is automatically processed through the credit cards in the drivers' accounts.
- Accumulated charging service fees are transferred to the station owner's account.
- It can charge up to 8 times faster than a wall socket and provides enough power to travel 100 km in one hour of charging.
- Our commercial charging stations have a Type 2 socket.

**ÖNİZ
CHARGE**

ÖNKA
MOBİLYA



ASM[®]
GROUP

ÖNKA FURNITURE

ÖNKA FURNITURE has a completely seamless approach to wood and decoration, integrated with full-fledged production facilities, offering design and supply solutions tailored to the needs of its customers. A leading provider of design, consultancy and turnkey solutions for architectural projects. With its advanced technology production facility and experience; it offers complete turnkey solutions for hotels, commercial buildings, public institutions and residential complexes. It has managed planning, production and turnkey projects in many local and foreign organizations. Its experience and expertise have given the brand a unique advantage to meet the requirements and expectations of specific customers.

We take care to reflect the quality and aesthetics that we always **instill in our contemporary and innovative understanding** in all our product groups. We serve by adhering to the fine mindset based on customer satisfaction while performing the art of furniture. With support such as interior architect support, sales and after-sales services, we are taking firm steps towards becoming the leading company in the sector, as we have created our point of action in the measure of respect for human beings.

By reaching a corporate identity in the furniture sector, we always act with the effort to carry it to an advanced level. With our **high quality understanding and contemporary designs**, we have achieved great success by reaching the level mentioned in the sector in a short time. We present the mysterious and exciting side of **ÖNKA FURNITURE** models, which sometimes reflect traditions and experiences but at the same time always play at the top of the list of trendy furniture models, with an original design that makes you different.

ÖNKA FURNITURE, which adopts the principle of providing services at high quality standards by using first class equipment and workmanship with its dynamic staff, always prioritizing the needs and satisfaction of its customers in the projects realized, and adopting functionality, aesthetics and affordable pricing while developing effective solutions, serves local and international companies in line with these principles.

ÖNKA FURNITURE attaches importance to R&D activities in order to use new technologies with its creative power and to produce the most suitable solutions for customer needs. In this direction, the company has adopted an innovative approach in the furniture sector by offering **customized solutions**.

**ANADOLU LDI SİTE
VE TESİS
YÖNETİMİ**



ANADOLU LDI SITE AND FACILITY MANAGEMENT

As **ANADOLU LDI**, we blend the innovations required by collective life with our traditional values, customs and traditions in the projects we serve by using our experience and expertise. We continue to serve with a sustainable management approach by supporting the expectations of our residents with the latest technological developments.

We evaluate our completed processes in terms of their financial, administrative and legal aspects and fulfill all the works and transactions that must be carried out by the managers in accordance with the provisions of the law **in collective living spaces**.

In order to make the **site management service** more efficient, we offer a service that adds value to all our stakeholders with our software that has the capacity to respond to sectoral and managerial needs within our company.

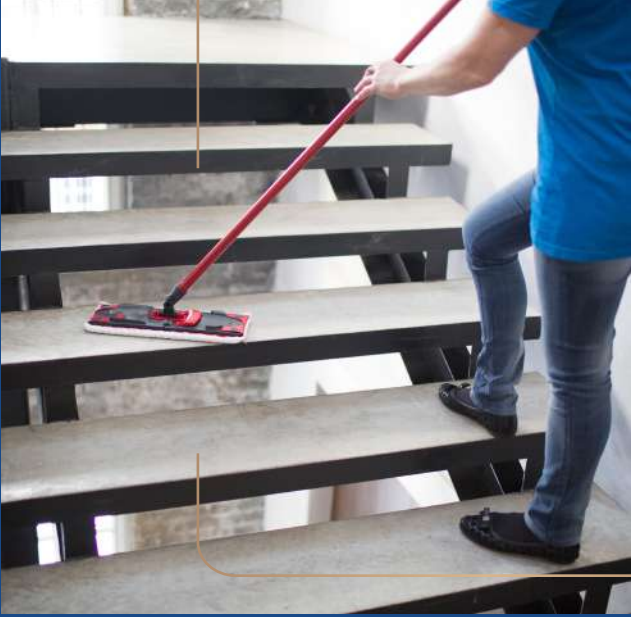
We ensure that **income and expenses** are regularly recorded and kept open to external and internal audit. We manage the necessary dues notification and reporting process by keeping the independent section debt information in accordance with the law. We take all necessary measures through our legal advisors regarding untimely payments and overdue receivables.

The processes and projects of all scenarios that will occur during site management have been completed with years of experience. We ensure that all these works and procedures are fulfilled completely through **training activities, instructions, audits and controls**.

We fulfill the human resources processes and the procedures required to be carried out in official institutions in a timely and complete manner. We have the ability to employ the personnel suitable for the project in a short time with our resume management and our personnel portfolio ready for duty at any time.

With its experienced and expert staff, **ANADOLU LDI** provides legal consultancy services on all issues related to your living spaces and offers professional solutions.

OUR SERVICES



CLEANING



LANDSCAPE



SOCIAL FACILITY CLEANING

OUR SERVICES



POOL CLEANING



SPRAYING



SECURITY



ÖNİZLER BUILDING CONSTRUCTION INDUSTRY TRADE CO.

In 1975, our company, which was established and started its activities as Sivas-based Önizler Construction Real Estate, has become **Önizler** which includes 20 companies operating in Turkey and abroad. These companies operate in the construction, energy, mining, agriculture and food sectors.

Önizler has nearly 3,000 employees in Turkey and abroad. The company, which has developed itself with its devoted and meticulous work since its establishment, has become a sought-after company in the large-scale construction, energy and mining sectors thanks to its strong management staff and quality productions.

In 2017, Öniz Family decided to gather under a single roof as **Önizler** and now continues to work under a single brand.

OUR SERVICES

Our company, which maintains its success in the construction sector by maintaining a network of architects, engineers and field teams, each of whom are experts in their field, ensures healthy real-time cooperation with the project team in every project, from pre-construction to completion, and utilizes the latest technologies throughout the process.

Since its establishment, it has taken its place with its well-established corporate identity thanks to its national quality, devoted and meticulous work. It has been a pioneer in the sector with its turnkey real estate investment projects, university faculties, official buildings, military lodgings, military air bases, industrial facilities and infrastructure projects realized in Turkey and abroad with its quality standards together with the solutions and services it offers. It continues to realize many qualified, high quality and innovative projects.



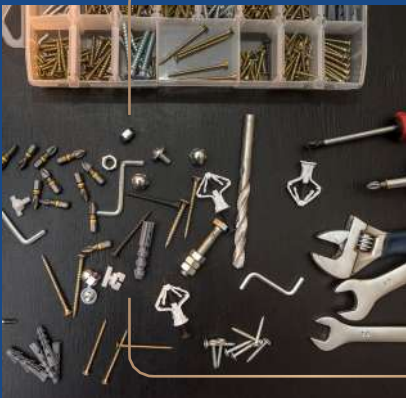
**CONSTRUCTION
CONTRACTING
CONSTRUCTION MATERIALS**



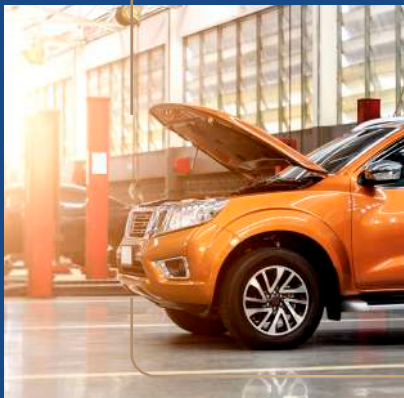
FOOD



PAINTING



HARDWARE



AUTOMOTIVE



PETROLEUM PRODUCTS



TRANSPORTATION



REAL ESTATE



EDUCATION



MEDINA DATE WORLD

Saudi Arabia accounts for around 12% of the world's date production and aims to increase its production volume and export volume through various initiatives to support and develop palm trees, dates and agricultural innovation.

In Saudi Arabia, the agricultural sector represents only 3% of the national economy. Dates are an important crop in the country, where **date palm plantations represent 82% of the Kingdom's fruit crops**. Saudi Arabia ranks in the top 5 among the world producers with about 1 million tons of palm products. The total number of date palms in Saudi Arabia is approximately 28.5 million trees spread over 145,000 hectares, mainly in Riyadh (24%), Al-Qassim (24%), Al-Madinah (16%) and the Eastern region (13%).

ASM GROUP has established a packaging facility for dates in Medina, Saudi Arabia and exports its high quality and delicious dates to many countries under the **"MEDİNE HURMA DÜNYASI - MEDINA DATE WORLD"** brand.

ASM GROUP takes its place among the leading companies in the food sector by adopting the principle of respect and honesty service to the consumer, customer, employees and business partners, offering the best quality product at the most affordable price without sacrificing quality and health, with its innovative works and investments for the future.

Our company, which prioritizes the understanding of quality service, works in a team spirit in this direction and achieves its goals in an error-free, fast and assured manner.

In the near future, **ASM GROUP** aims to provide added value to the economy as a by-product of the date palm tree by preparing research and development projects in health, chemistry, energy, etc., using the feature of the date palm as a fibrous and oily fruit.

SOME OF OUR REFERENCES

SECTOR ENERGY COUNTRY TURKEY CITY ÇANAKKALE
Çanköy 1 mW Ges with Ultra Solar Energy Signature

ENERGY TURKEY ÇANAKKALE
Daralan 1 mW Ges with Ultra Solar Energy Signature

ENERGY TURKEY ÇANAKKALE
Dondurma 1 mW Ges with Ultra Solar Energy Signature

ENERGY TURKEY ÇANAKKALE
Dereoba 1 mW Ges with Ultra Solar Energy Signature

ENERGY TURKEY ÇANAKKALE
Bezirganlar 1 mW Ges with Ultra Solar Energy Signature

SECTOR CONSTRUCTION COUNTRY TURKEY CITY KIRIKKALE
Kırıkkale Houses with Alqaswa Alarabia Signature

SECTOR CONSTRUCTION COUNTRY TURKEY CITY ANKARA
Şehr-i Huzur Gold Houses with Asm Construction Signature

CONSTRUCTION TURKEY ANKARA
Şehr-i Huzur Prestige Houses with Asm Construction Signature

CONSTRUCTION TURKEY ANKARA
Burç 2 Houses with Hani Ghalib Construction Signature

CONSTRUCTION TURKEY ANKARA
Bağlica Vela Houses with Asm Construction Signature

CONSTRUCTION TURKEY ANKARA
Platin 1 Houses with Alqaswa Alarabia Signature

CONSTRUCTION TURKEY ANKARA
Platin 2 Houses with Alqaswa Alarabia Signature

CONSTRUCTION TURKEY ANKARA
Susuz Houses with Alqaswa Alarabia Signature

CONSTRUCTION TURKEY ANKARA
Öniz Bağdat project with Alqaswa Alarabia Signature

SECTOR CONSTRUCTION COUNTRY TURKEY CITY SIVAS
Doğa Palace with Önizler Construction Signature

SIVAS TURKEY CONSTRUCTION
Sivas Kızılırmak Dwelling Project with Asm Construction Signature



SECTOR COUNTRY CITY
CONSTRUCTION TURKEY SAKARYA
Sakarya Houses with Alqaswa Alarabia Signature

SECTOR COUNTRY CITY
CONSTRUCTION KSA TAIBA
Saudi Arabia Taiba University Foreign Languages Faculty Project with Alqaswa Alarabia Signature

CONSTRUCTION KSA MADINAH
Saudi Arabia Madinah Provincial Directorate for National Education Service Building with Alqaswa Alarabia Signature

CONSTRUCTION KSA DAHRAN
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CONSTRUCTION KSA RIYAD
Saudi Arabia Riyad Kharj Military Air Base Project with Alqaswa Alarabia Signature

CONSTRUCTION KSA NAJEM
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CONSTRUCTION KSA KHALIDIYE
Saudi Arabistan Khalidiye 3 Petrol Stations Project with Alqaswa Alarabia Signature

CONSTRUCTION KSA JUBEYL
Saudi Arabia Jubeyl Road 264 Petrol Stations Project Alqaswa Alarabia Signature

CONSTRUCTION KSA JUBEYL
Saudi Arabia Jubeyl Road 263 Petrol Stations Project Alqaswa Alarabia Signature

CONSTRUCTION KSA JUBEYL
Saudi Arabia Jubeyl Road 274 Petrol Stations Project Alqaswa Alarabia Signature

Alqaswa Alarabia continues construction project in Egypt.





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