





**Vemak İnşaat Taahhüt Makine San. ve Tic. A.Ş**., is one of the leadings pipeline construction company in Turkey and in Iraq. Vemak was established in 2003 has its headquarter in Ankara, Turkey.

We're dedicated to serving our valued customers in Iraq, Bulgaria and Saudi Arabia through our offices in Erbil, Baghdad, Sofia and Riyadh.

Over the past two decades, we have achieved the successful installation of 2750 kilometers of pipelines, varying in diameter from 6 to 56 inches.

We have completed out several prestigious pipeline construction projects in Turkey and in North Iraq for major oil companies in the region such as BOTAS in Turkey, CRESCENT DANAGAS, TTOPCO/GENEL ENERGY/ADDAX, KOGAS, KAR GROUP, KPC, BASRAH OIL COMPANY in Iraq, BULGARTRANSGAZ in Bulgaria. Especially the 24 inch 174 Km pipeline which we have constructed for Crescent-Danagas finished in 6 month period and was a record time in this region.

We are fully equipped to cater to all types of pipeline construction, commissioning and rehabilitation projects. We have an extensive equipment inventory along with highly specialized and qualified construction personnel and engineers that have carried out the above projects. We would like to bring our expertise to carry out business for your esteemed company.

# **Fields of Activity**

Our company has been established to operate in the areas stated below :

- High Pressure Fuel Oil Pipelines
- Filling Plants and Manifold Stations
- Marine Oil Terminals and Fuel Oil Pipelines Installed in Seabed
- Installation of High Capacity, Cylindrical and Ground Storage Tanks for Fuel Oil
- Painting Fuel Oil Tanks with Epoxy Paint and Epoxy Laminating
- High Pressure Natural Gas Pipelines :
  - Pipeline Valves and Pigging Stations
  - RMSA,MS B Type Pressure Reducing & Metering Stations
  - Hydrostatic Tests
  - NDT Quality Control Consultancy
- Hot Tap & Hot Tap Stopple Operations
- Pipeline Maintanence
- De-Cruding and Chemical Cleaning





# **Safety Program Overview**

#### Introduction to the Safety Program

- > At VEMAK, safety is our top priority.
- We are committed to ensuring the well-being of our employees, contractors, and the community in which we operate.

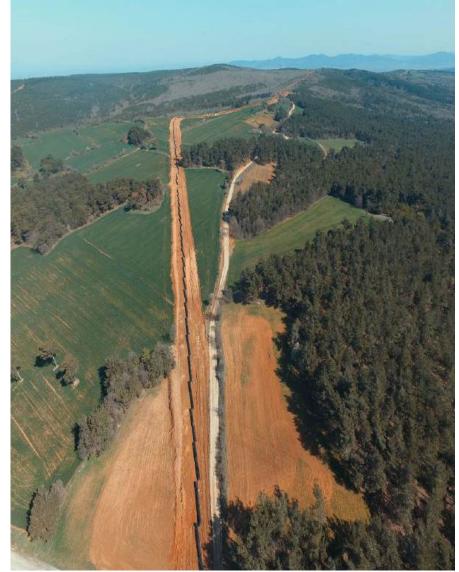
#### Importance of Safety in Civil Construction

- Civil construction projects involve inherent risks, and prioritizing safety is non-negotiable.
- Each member of our team plays a crucial role in maintaining a safe work environment.

#### **Key Safety Measures and Protocols**

- Rigorous safety training for all employees.
- Implementation of industry best practices.
- > Continuous improvement through feedback and evaluation.
- Safety-first culture ingrained in our company ethos.





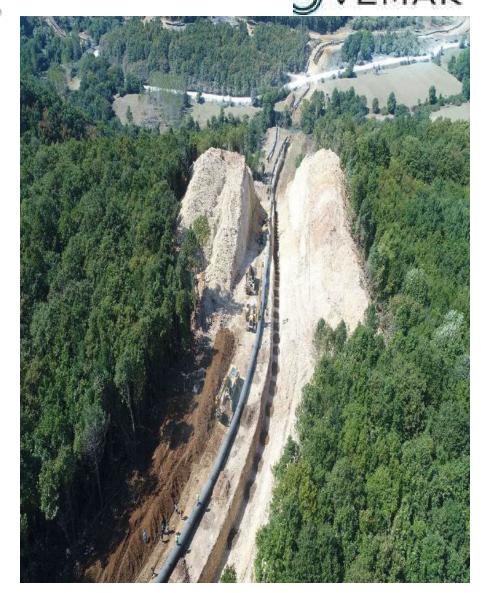
# **Safety Guidelines and Procedures**

#### **Detailed Safety Guidelines and Procedures**

- Clear guidelines on Personal Protective Equipment (PPE) requirements.
- Comprehensive emergency procedures and protocols.
- Efficient hazard identification and reporting processes.
- Regular safety inspections and audits to ensure compliance.
- Proactive measures to mitigate risks and prevent accidents.

#### **Encouraging Employee Involvement**

- > Empowering employees to take ownership of safety.
- Regular safety meetings and open forums for feedback.
- Recognition of employees who exemplify outstanding safety practices.



# **Quality Policy**

### Our Company aims at :

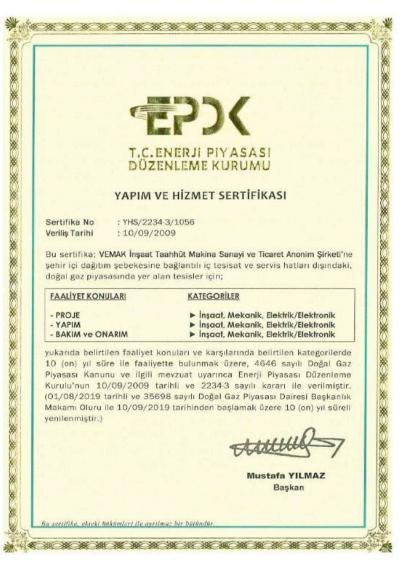
- Providing service to its customers in variable times and conditions without making concessions from its Quality Management System,
- Carrying out the works perfectly in line with contracts, technical specifications and legal regulations,
- Constituting a continuous power which is useful for our country and society,
- Ensuring customer satisfaction and personnel satisfaction,
- Improving the system continuously with the participation of all employees,
- Being a construction company which is a leading and preferred company in the sector.

# **)**vemak











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	Goldcerf, assessed that the following organisation has established and mainteined is proper management system eccenting to relevant standard
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# Certificates







Goldcert, assessed that the following organisation has established and maintained

VEMAK İNŞAAT TAAHHÜT MAKİNA SANAYI VE TİCARET ANONİM ŞİRKETİ

a proper management system according to relevant standard

Carried out of following site /s SANCAK MAHALLESI ALI HAYDAR FEROĞLU SOKAK NO:24 CANKAYA-ANKARA/TÜRKİYE

#### for their ISO 45001:2018

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM With a scope of

HIGH PRESSURE FUEL OIL FIFE UNES, FILLING AND VALVE STATIONS, MARINE TERMINALS AND OFF SHORE FUEL OIL FIFELINE CONSTRUCTION WORKS, ON SHORE CYLINDRICAL HIGH CAPACITY FUEL OIL STORAGE TANK ASSEMBLY AND CONSTRUCTION WORKS, EPOXY COATING AND LAMINATION OF FUEL OIL STORAGE TANKS, HIGH PRESSURE NATURAL GAS TRANSMISSION PIPELINE CONSTRUCTION, LINE VALVE AND PIG STATION CONSTRUCTION WORKS, RMS & AND MS B TYPE STATIONS ASSEMBLY AND CONSTRUCTION WORKS

> Certificate No : GC-15-1467 Initial Registration Date : 30/12/2015 Certification Date : 29/12/2021 Rev:2 Volid Until : 28/12/2024

> > General Manage

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# Certificates





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## SERTIFIKA CERTIFICATE

VEMAK İNSAAT TAAHHÜT MAKİNA SANAYİ VE TICARET ANONIM SIRKETI

SANCAK MAHALLESİ ALİ HAYDAR FEROĞLU SOKAK NO:24 CANKAYA, ANKARA, TÜRKİYE

YÜKSEK BASINCLI AKARVAKIT BORU HATLARI, DOLUM TESISLERI VE MANIPOLT İSTASYONLARI İNSAAT İSLERİ, akaryakıt deniz terminâlleri ve deniz tabanına döşenmiş akaryakıt boru hatları İngaat İşleri, ver üstü SILÎNDÎRÎK BÜYÜK KAPASÎTELERDE AKARYAKIT DEPOLAMA TANKLARÎ MONTAJÎ VE ÎNSAAT ÎSLERÎ, AKARYAKIT TANKI ARTININ EPOKSI BOYA ILE BOYAMMASI VE EPOKSI LAMINASYON YAPILMASI. YÜKSEK BASINCLI DOĞAL GAZ BORU HATLARI YAPIM İŞLERİ, HAT VANALARI VE PİĞ İSTASYONLARI YAPIM İŞLERİ, RHS A, MS B TİPİ İSTASYON MONTAJ VE INSAAT ISLERT

CONSTRUCTION WORKS OF HIGH PRESSURE FUEL OIL PIPELINES, FILLING FACILITIES AND MANIFOLD STATIONS, FUEL OIL MARINE TERMINALS AND CONSTRUCTION WORKS OF FUEL OIL FIPELINES LAID ON THE SEABED, INSTALLATION AND CONSTRUCTION WORKS OF ABOVEGROUND CYLINDRICAL LARGE CAPACITY FUEL STORAGE TANKS, PAINTING OF FUEL TANKS WITH EPOXY PAINT AND EPOXY LAMINATION, NIGH PRESSURE NATURAL GAS PIPELINES CONSTRUCTION, LINE VALVES AND PBS STATEONS CONSTRUCTION, RMS A, MS & TYPE STATEON EXECTION AND CONSTRUCTION WORKS

#### ISO 50001:2018

Enerji Yönetim Sistemi Standardının şartlarına uyan bir sistem kurduğunu ve uyguladığını onavlamak üzere verilmistir

to certify that energy management system in accordance with standard's clauses is established and being

MSCB-223



IRME VE BÖJTIM HIZMETLERI LIMITED SIRKETI ASCERT BELGED Mahalesi 79193 (akoa No 3/1 Merve Apartinan 8 Bek Dare J Da T/P + (0) 322 2349121 il engli priotocent con b th sentilikers providig www.esant.com/tr adresents kentrel ackeble, (Valdty of this centificate can be checked at servicesant.com/tr)





SANCAK MAHALLESÍ ALÍ HAYDAR FEROĞLU SOKAK NO: 24 ÇANKAYA - ANKARA / TÜRKİYE

DSR BELGELENDÍRME tarafından denetlenmiş ve uygulamakta olduğu

Information Security Management System meet the requirements of

ISO 27001:2022

standard for the following activities.

AKARYAKIT DENÍZ TERNÍNALLERÍ VE DENÍZ TABANINA DÖSENMÍS AKARYAKIT BORU HATLARI INSAAT ÍSLERÍ. YER ÜSTÜ SİLİNDIRİK BÜYÜK KAPASİTELERDE AKARYAKIT DEPOLAMA TANKLARI MONTAJI VE INSAAT İSLERİ. AKARYAKIT TANKLARININ EPOKSI BOYA ILE BOYANMASI VE EPOKSI LAMINASYON YAPILMASI. YÜKSEK BASINCLI DOĞAL GAZ BORU HATLARI YAPIM İŞLERİ, HAT VANALARI VE PİG İSTASYONLARI YAPIM İSLERİ, RMS A, MS B TİP

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#### Sertifika No / Certificate No: ISMS-23.06.346 31.05.2024

19.06.2023 Sertifika Tarihi Contriticate Date

Sertifika Son Basim Tarihi Sertifika Gecerlilik Tarihi Centificate ( est (ssue Date Certificate Expiry Date 3 Yill/Years

30.05.2025

SoA: 09.01.2023 Rev:00 Balgelendirme Perivodu Certification Pariod



OSR TEKNIK MUAYENE SERTIFIKASYON HIZ. LTD. STI. Yeşilbağlar Mat. Selvili St. Heli's Beyaz Diis 2/1 A Blak Ko.287 PENDIK / ISTANBUL / TÜRKİYE Tai: +90 216 686 05 35 E-mail: Info@dsrbeigelendinme.com.tr + Web: www.dsrbeigelendime.com.tr





#### VEMAK İNŞAAT TAAHHÜT MAKİNA SANAYİ VE TİCARET ANONİM ŞİRKETİ

#### SANCAK MAHALLESI ALİ HAYDAR FEROĞLU SOKAK NO: 24 ÇANKAYA - ANKARA / TÜRKİYE

DSR BELGELENDİRME tarafından denetlenmiş ve uygulamakta olduğu Petrol, Petrokimya Ve Doğal Gaz Endüstrileri - Sektöre Özgü Kalite Yönetim Sistemleri

is audited by DSR Certification and applied Patroleum, petrochemical and natural gas industries - Industry-specific quality management systems meet the requirements of

### ISO 29001:2020

standardına aşağıdaki kapsamda uymakta olduğu gözlenmiştir standard for the following activities.

YÜKSEK BASINCLI AKARYAKIT BORU HATLARI, DOLUM TESISLERİ VE MANIFOLT ISTASYONLARI İNSAAT İSLERİ. AKARYAKIT DENİZ TERMİNALLERİ VE DENİZ TABANINA DÖŞENMİŞ AKARYAKIT BORU HATLARI İNSAAT ISLERİ, YER ÜSTÜ SILİNDIRİK BÜYÜK KAPASİTELERDE AKARYAKIT DEPOLAMA TANKLARI MONTAJI VE İNSAAT İSLERİ. AKARYAKIT TANKLARININ EPOKSI BOYA ILE BOYANMASI VE EPOKSI LAMINASYON YAPILMASI, YÜKSEK BASINCLI DOĞAL GAZ BORU HATLARI YAPIM İŞLERİ, HAT VANALARI VE PİÇI İSTASYONLARI YAPIM İŞLERİ, RWS A. MS B TİP **ISTASYON MONTAJ VE INSAAT ISLERI** 

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#### Sertifika No / Certilicate No: PGI-23.06.346

19.06.2023 Sertifika Tarihi Certificate Date

31.05.2024 Sertifika Son Basım Tarihi Sertifika Geoorlilik Tarihi Certificate Last Issue Date Certificate Expliny Date

30.05.2025

3 Yill Years Belgelendirme Perivodu Certification Penod



**DSR TEKNIK MUAYENE SERTIFIKASYON HIZ. LTD. STI** Yeşilbağlar Meh. Sehili Sk. Hells Beyez Olis 2/1 A Blok No:207 PENDIK / İSTANBUL / TÜRKİYE Tel: +90 216 506 06 35 E-mail: info@dsibelgelendinne.com.tr - Web: www.dsrbelgelendinne.com.tr





Bilgi Güvenliği Yönetim Sisteminin

is audited by DSR Certification and applied

standardına aşağıdaki kapsamda uymakta olduğu gözlenmiştir

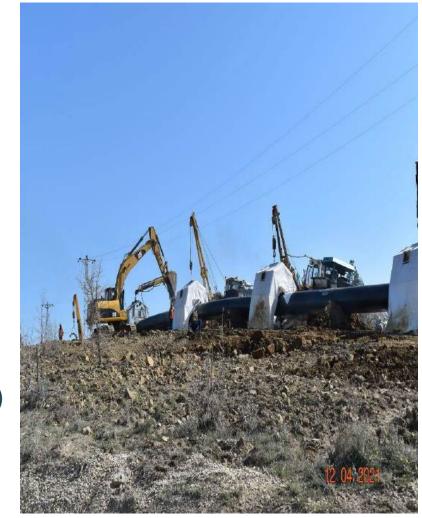
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CONSTRUCTION WORKS OF HIGH PRESSURE FUEL OIL PIPELINES, FILLING FACILITIES AND MANIFOLD STATION, FUEL OIL

# **Machinery Park**

- 16 Ea Komatsu 355 Pipelayer 90 Ton
- 7 Ea Liebherr RL 42B Litronic Pipe Layer 50 Ton
- 1 Ea Liebherr RL 42B Litronic Pipe Layer With Crane 50 Ton
- 6 Ea Liebherr RL 22B Litronic Pipe Layer 30 Ton
- 3 Ea Liebherr SR 712B-M Welding Truck 4 x 400 Amp.
- 90 Ea Lincoln Diesel Welding Machine 400 Amp.
- 2 Ea CRC Evans PB 32"- 42" Bending Machine (Hydraulic)
- 2 Ea CRC Evans 10"- 24" Bending Machine (Hydraulic)
- 1 Ea GDC 6"-14" Bending Machine (Hydraulic)
- 1 Ea CRC-40" Internal Clamp (Pneumatics)
- 1 Ea CRC-16" Internal Clamp (Pneumatics)
- 1 Ea CRC-18" Internal Clamp (Pneumatics)
- 1 Ea CRC-20" Intenal Clamp (Pneumatics)
- 1 Ea DMI 16"-18" Internal Clamp with cupper back up shoes(Pneumatics)
- 2 Set CRC EVANS P625 Automatic Welding Bugs
- 4 Set Magnatech Pipeliner II Semi-Automatic Welding Bugs
- 2 Ea Mobile Crane PH 20 Ton





# **Machinery Park**

- 2 Ea 110 KVA Generator Set
- 10 Ea 55 KVA Generator Set
- 2 Ea 25 KVA Generator Set
- 6 Ea 10 KVA Generator Set
- 6 Ea 6,5 KVA Generator Set
- 15 Ea 3,5 KVA Generator Set
- 17 Set Roller Craddle
- 6 Ea Joint Coating Detector
- 2 Ea Sand Blasting Set
- 6 Ea Total Station

### **CONSTRUCTION GROUP**

2 Ea	Dozer
1 Ea	Scraper
1 Ea	Greyder
20 Ea	Excavator - 44 Ton
50 Ea	Excavator - 30 Ton
10 Ea	Excavator - 20 Ton

#### 2 Ea Loader

#### **TIRED VEHICLES GROUP**

- 30 Ea Trailer (Four Wheel Low Bed)
  15 Ea Trailer (Dumper -Two Wheel Bed)
  30 Ea Dumper Truck
  2 Ea Long Truck
  15Ea 4 x 4 Four Wheel Pick-up
  3 Ea Fuel Tanker
  3 Ea Palfinger 32080 HI-UP Craine 32Ton/m
  - 1 Ea Sevage Truck
  - 20 Ea NPK-H-12X Hydraulic Jackhammer
  - 20 Ea NPK H-8X Jackhammer
  - 1 Set Primer Impact Crasher Plant







#### **HYDROSTATIC TEST GROUP**

- 2 Ea Atlas Copco Compressor XRVS 476-25 Bar
- 2 Ea Atlas Copco Compressor XRVS 455-25 Bar
- 3 Ea Atlas Copco Compressor XA-125-7 Bar
- 1 Ea Caterpillar Generator Set 250 KVA
- 4 Ea Hydrostatic Test Filling Pump 40 Bar 300 cum/h 4"
- 3 Ea Flygt Drainage Pump 350 cum/h 6"
- 2 Ea Master- N Drainage Pump 200 cum/h 4"
- 1 Ea Master- N Drainage Pump 150 cum/h 3"
- 2 Ea Hydrostatic Test Pressurization Pump 150 Bar
- 1 Ea Hydrostatic Test Pressurization Pump 210 Bar
- 20 Ea Test Head 6"- 40"
- 4 Ea Water Filling Tank (20 Ton)
- 8 Ea Dead Weight Tester
- 4 Ea Flowmeter
- 2 Ea Fully Equipped Hydrostatic Test Container
- 1 Ea Sulzer Fuel Oil Pump 162.5 m<sup>3</sup>/h 90 Bar

#### **CONSTRUCTION YARD GROUP**

- 80 Ea Dormitory Container (7 m x 3 m = 21 sqm)
- 10 Ea Restaurant Container (7 m x 3 m = 21 sqm)
- 10 Ea Office Container (7 m x 3 m = 21 sqm)
- 8 Ea Administrative Office Container

#### **NDT GROUP**

- 2 Ea 2" 60" X-Ray Machine (Crawler)
- 2 Ea Gamma Ray Machine
- 1 Ea Automatic NDT Developer



### CAR & SUV GROUP

10 Ea	Office Vehicle (4x2)
6 Ea	Office Vehicle (4x4)
9 Ea	Office Car ( 4x4 )

#### VAN & PANELVAN GROUP

6	Ea	Panelvan (4x2)
62	Ea	Van – Panelvan (4x4)

#### **MINIBUS GROUP**

17 Ea Minibus (4x4) (14+1)





## **GAZIANTEP - MERSIN NGPL**

### NATURAL GAS PIPELINE (294 km)

- 220 km 40"
- 50 km 24"
- 24 km 16"

### FACILITIES

- Ea 40" Pig (Launcher) Station
   Ea 40" Pig (Receiver) Station
   Ea 24" Pig (Launcher) Station
- 1 Ea 24" Pig (Receiver) Station
- 6 Ea 40" Mainline Valve Station
- 2 Ea 40" Take-Off Valve Station
- 2 Ea 24" Take-Off Valve Station
- 2 Ea 16" Take-Off Valve Station







# KHORMOR - ERBIL NGPL (IRAQ)

# NATURAL GAS PIPELINES (175 km)

- 174 km 24"
- 1 km 16"

### FACILITIES

2 Ea - 24" Pig (Receiver) Station
2 Ea - 24" Pig (Launcher) Station
4 Ea - 24" Mainline Valve Station
1 Ea - 16" Take-Off Valve Station







# ZONGULDAK-BARTIN NGPL

## NATURAL GAS PIPELINES (171 km)

- 108 km 16"
- 17 km 14"
- 46 km 12"

### FACILITIES

- 1 Ea 16" Pig (Receiver) Station
- 1 Ea 16" Pig (Launcher) Station
- 1 Ea 12" Pig (Receiver) Station
- 3 Ea 16" Mainline Valve Station
- 1 Ea 12" Mainline Valve Station
- 1 Ea 16" Take-Off Valve Station 1 Ea 6" Take-Off Valve Station
- 2 Ea 12" Take-Off Valve Station 1 Ea 60,000 cum/h RMS A
- 1 Ea 10" Take-Off Valve Station 1 Ea 40,000 cum/h RMS A











### KHORMOR - JAMBOUR CRUDE OIL PL (IRAQ))

### CRUDE OIL PIPELINE (32 km)

• 32 km - 20"

#### **OPERATIONS & COMMISSIONING**

- Hot-Tap Operations at 5 Location
- Cold Cutting Operations
- Pigging Operations
- Commissioning of Crude Oil Pipeline







# MUS NGPL

### NATURAL GAS PIPELINES (157 km)

• 157 km - 20"

### FACILITIES

- 1 Ea 20" Pig (Receiver) Station
- 1 Ea 20" Pig (Launcher) Station
- 5 Ea 20" Mainline Valve Station
- 1 Ea 12" Take-Off Valve Station
- 1 Ea 8" Take-Off Valve Station
- 2 Ea 4" Take-Off Valve Station
- 1 Ea 48" x 20" x 20" Hot-Tap Operation









# VEMAK

## MARDIN NGPL

### NATURAL GAS PIPELINES (75 km)

- 36 km 40"
- 39 km 20"



#### FACILITIES

- 2 Ea 40" Pig (Launcher) Station
- 2 Ea 40" Pig (Receiver) Station
- 1 Ea 20" Pig (Launcher) Station
- 1 Ea 20" Pig (Receiver) Station
- 1 Ea 40" Mainline Valve Station
- 2 Ea 20" Mainline Valve Station
- 1 Ea 40" Take-Off Valve Station
  1 Ea 20" Take-Off Valve Station
  1 Ea 6" Take-Off Valve Station
- 1 Ea 4" Take-Off Valve Station





### KIRKUK - BAJI NATURAL GAS PIPELINE (IRAQ))

### LPG&DRY GAS PIPELINES (124 km)

- 62 km 16"
- 62 km 18"

### FACILITIES

- 2 Ea 16" Pig (Launcher) Station
- 2 Ea 18" Pig (Receiver) Station
- 4 Ea 16" Mainline Valve Station
- 4 Ea 18" Mainline Valve Station
- 2 Ea 6" Take-Off Valve Station
- 2 Ea 8" Take-Off Valve Station









#### **Employer : KOGAS**



## ATRUSH FEEDER PIPELINES (IRAQ)

## CRUDE OIL PIPELINES (76 km)

- 38 km 8"
- 38 km 10"









#### **Employer : KAR GROUP**





## TURK STREAM ONSHORE SECTION 2 PHASE 1 NGPL

### NATURAL GAS PIPELINE (72,5 km)

• 72,5 km - 48"

#### FACILITIES

1 Ea 48" Pig Station

2 Ea 48" Valve Station





# **Completed Projects BURHANIYE EDREMIT DISTRICTS NGPL** NATURAL GAS PIPELINE (121 km)

• 121 km - 16"

#### FACILITIES

2 Ea 16" Pig Receiver Station
2 Ea 16" Pig Launcher Station
2 Ea 16" Line Valve
2 Ea 10" Take Off Valve
1 Ea - 36" x 20" x 16" Hot-Tap Operation









# Completed Projects HAKKARI NGPL

### NATURAL GAS PIPELINES (203,5 km)

• 203 km - 12"

### FACILITIES

- 1 Ea 12" Pig Receiver Station1 Ea 12" Pig Launcher Station
- 7 Ea 12" Line Valve
- 1 Ea 12" Take Off Valve
- 1 Ea 14" X 12" X 12" Hot-Tap Operation







# ŞIRNAK NGPL

### NATURAL GAS PIPELINE (185,1 km)

• 185 km - 40"

### FACILITIES

2 Ea Multi Directional 40" Pig Station

6 Ea 40" Line Valve

1 Ea 40" Take Off Valve

1 Ea 10" Take Off Valve









### SILIVRI - 12 INCH - 24 INCH PIPELINES AND PIG TRAPS MANUFACTURING, CONSTRUCTION AND COMMISIONING WORKS

#### NATURAL GAS PIPELINE (19,9 km)

• 16,5 km 12" - 3,4 km 24"

#### FACILITIES

1 Ea 24" X 900 Class Pig Receiver Station
1 Ea 24" X 900 Class Pig Launcher Station
1 Ea 12" X 900 Class Pig Receiver Station
1 Ea 12" X 900 Class Pig Launcher Station
1 Ea 12" X 900 Class Take-Off Valve







### TANAP LOT 2 SPREAD 3 TIE-IN & SPECIAL CROSSING WORKS

### NATURAL GAS PIPELINE (100 km)

• 100 km - 56''

#### FACILITIES

Tie-in And Special Crossings

Road Crossings

Railway Crossings

Major & Minor River Crossings







#### Employer : SİCİM - YÜKSEL – AKKORD JV

# AFŞIN - ELBISTAN AND DIVRIGI NGPL

### NATURAL GAS PIPELINE (181,7 km)

- 122 Km 16"
- 59.7 m 8"

### FACILITIES

1 Ea 16" Pig Launcher Station
1 Ea 16" Pig Receiver Station
1 Ea 8" Pig Launcher Station
1 Ea 8" Pig Receiver Station
4 Ea 16" Line Valve
1 Ea 8" Line Valve
1 Ea 16" Take Off Valve
1 Ea 8" Take Off Valve



1 Ea 40" x 20" x 16" Hot-Tap Operation 1 Ea 40" x 8" x 8" Hot-Tap Operation







# DRAINING AND CHEMICAL TREATMENT OF CRUDE OIL PIPELINESS CRUDE OIL PIPELINE

- Şanlıurfa Bozova BD 54,520 km 18" Pipeline
- Şanlıurfa Bozova ITP 32,220 km 40" Pipeline
- Şanlıurfa Bozova ITP 32,940 km 46" Pipeline
- G.Antep Nurdağı BD 11,350 km 18" Pipeline
- G.Antep Nurdağı ITP 8,100 km 40" Pipeline
- G.Antep Nurdağı ITP 8,090 km 46" Pipeline
- G.Antep Nurdağı ITP 16,504 km 40" Loop











### EXPANSION OF THE GAS TRANSMISSION INFRASTRUCTURE OF BULGARTRANSGAZ EAD PARALLEL TO THE NORTH (MAIN) GAS PIPELINE TO THE BULGARIAN-SERBIAN BORDER PROJECT LINEAR PART (A8 + A2)

#### NATURAL GAS PIPELINE (76 km)

- 47km Natural Gas Pipeline 48"
- 29km Natural Gas Pipeline 48"

#### FACILITIES

4 Ea Line Valve Station

1 Ea Take Off Station

385m HDD Crossing

12 Thrust Boring Road Crossing

1 Thrust Boring Railway Crossing

3 Open Cut Major River Crossing





### **GULF OF SAROS FSRU TERMINAL AND ONSHORE PIPELINE CONNECTION PROJECT** FSRU TERMINAL & NATURAL GAS PIPELINE

- 17 km Natural Gas Pipeline 36"
- 320 m Rockfill Dock Structure
- 17 Ea Dolphin Structures with Steel Pipe Piles
- 49.500 m<sup>3</sup> Sea Dredging Works
- Procurement and Installation of FSRU Process Equipment
- Metering Station (Capacity : 1.250.000 Sm<sup>3</sup>/h)
- 1612 m Station Piping and Equipment
- 3500 m Process Piping Fire, Grey Water, Oil Water, Waste Water







## WESTERN BLACKSEA GAS METERING Station

#### NATURAL GAS METERING STATION

- Gas metering station with 50.000.000 sm<sup>3</sup>/day capacity
- Western Blacksea Gas Metering Station inlcudes;
- Metering Station Piping
- Cyclone Filters,
- Measurement Groups
- TPAO Branch Line
- BOTAŞ Utility Gas (Utility) Line
- Pig Station
- Security Building
- Control Building
- Water Tank and Pump Building •
- Utility Gas (Utility) Building

- Transformer Building
- Reinforced Concrete and Asphalt Roads
- Vehicle Parking Areas
- Water Well

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- Septic and Biological Package Treatment System
- Instrument Container
- Analyzer Container
- Station Energy Supply and Transformer
- Generator
- Fire Line System and Fire Pumps

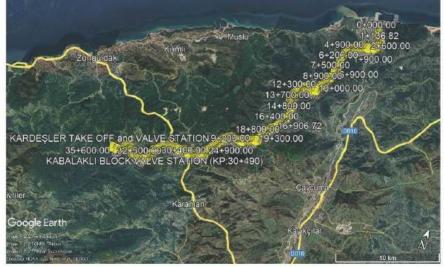


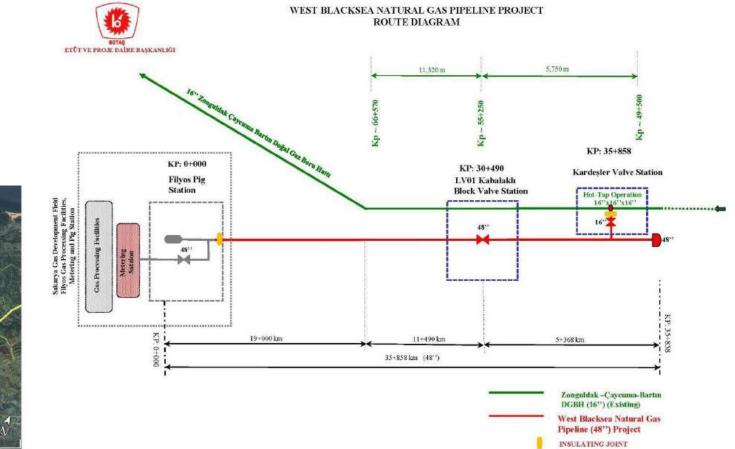
# VEMAK

# WESTERN BLACKSEA NATURAL GAS PIPELINE PROJECT

## NATURAL GAS PIPELINE PROJECT

- 36 km 48" high-pressure onshore pipeline construction
- 1 ea take-off station
- 1 ea block valve station









#### DOMESTIC GAS PIPELINE TO DUHOK POWER PLANT

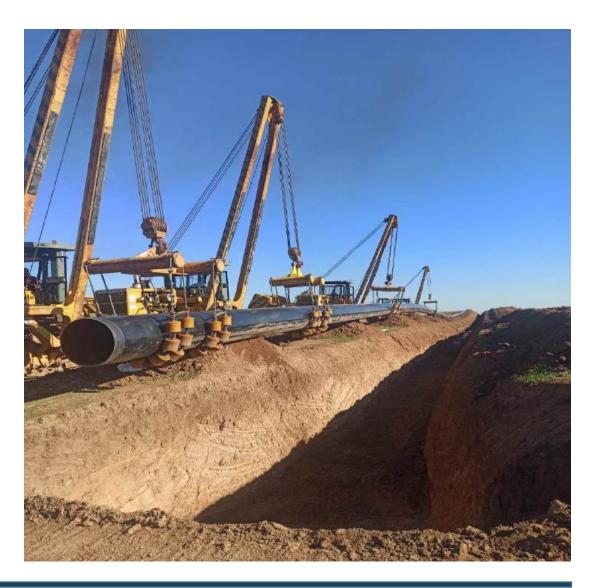
36" GAS PIPELINE CONSTRUCTION (132 km)

**ALL MECHANICAL WORKS** 

DATE OF START: 01.09.2023

**PROJECT COMPLETION RATE : %90** 









Employer : KAR GP LTD.

# **Ongoing Projects**

# MAGA NATURAL GAS PIPELINE PROJECT

#### NATURAL GAS PIPELINE PROJECT

- 160 km 40" high-pressure onshore pipeline construction
- 1 ea take-off station
- 3 ea pig station
- 1 ea hot tap station
- 5 ea block valve station
- 900 days duration



# VEMAK



CONSTRUCTION INC.

Sancak Mh. Ali Haydar Feroğlu Sokak No: 24 Çankaya / Ankara / TURKEY

Tel : +90 0 312 427 78 53 Fax : +90 0 312 427 78 55

