



Natural Gas Metering and Pressure Reduction Station (PRMS)



Year: 2023 (on-going)

Customer: TAQA Gas

Location: Egypt

Karad Scope:

- Design and Engineering of the PRMS
- Procurement of Skid Equipment
- Supply, Fabrication, and Assembly of Skid
- DDP Shipment to TAQA's warehouse



Engineering, Procurement, Delivery, Dismantling and Installation of Gas Furnace Piping Works



*Jin
Cheng*

Year: 2022-2023
Customer: Jin Cheng Ceramic Factory
Location: Jordan
Karad Scope:

- Design, Engineering, Procurement, Fabrication and Installation of 3 nos. Tertiary Pressure Reduction Stations including pipes, valves, fittings and other bulks.
- Inspection, Certification and Accreditation by TUV Austria/Jordan
- NDT Works (Nondestructive Testing)
- Dismantling, shipment and site assembly and installation
- Site Acceptance Testing including Leak Testing

Internal Piping Works and SPRS at Jin Cheng Ceramic Factory



Year: 2022-2023

Customer: Jin Cheng Ceramic Factory

Location: Jordan

Karad Scope:

- Design and Engineering of the Internal Piping Works and Secondary Pressure Reduction Stations.
- Procurement of major equipment – SPRS, Odorization, Leak Detection, pipes, valves and fittings
- SPRS fabrication and assembly, and provision of a Temporary PRMS.
- CIF Shipment
- Installation, Civil Construction and Tie-in Works
- Testing and Third Party Inspection Works

*Jin
Cheng*

EPC for Main Control Building For Pipeline Network at Maqta



Year: 2019-2020
Customer: Abu Dhabi National Oil Company (ADNOC)
Location: Abu Dhabi, UAE
Project In-charge: Mohamed Abouelwafa (mohamed.abouelwafa@ajes.ae)
Karad Scope:

Engineering, Procurement, Fabrication, Assembly, Integration, Site Installation Supervision, Testing and Commissioning works for:

- Migration Scope:
 - SDH System
 - SMC System
 - CCTV
 - Electrical Power
 - Fire & Gas system
- New Control Building Scope:
 - Electrical (UPS System, LV Distribution Boards, Lighting and Earthing)
 - Fire Alarm System (FACP)
 - Telecommunication (PAGA, Audio Visual and Video Conferencing System, Building Integration Management, CCTV, ACS)
 - Furniture (Control Desks)

KOC Lower FARS Heavy Oil Development Project – 24 nos. Prefabricated Packaged Substations



Year: 2016-2019
Customer: Kuwait Oil Company (KOC)
Location: Kuwait
Project In-charge: Chen Baosheng (chenbs@bomesc.com)
Karad Scope:

- Project Expediting and Contracts Management
- Overall Project Coordination (Engineering and Documentation)
- Electrical, Instrumentation, Telecom and HVAC Engineering
 - Detailed Design
 - Installation/Construction Supervision
 - Testing and Commissioning Support
- HVAC Control Panel Integration
- F&G System Integration
- Procurement of Main Equipment (HVAC, FACP, HVAC UCP)
- Bulk Material Procurement
- Logistics Support



Petrofac  **BOMESC**

EPC for Badra-Zubaida Gas Export Pipeline Project (Fiber Optic Cable)



Year: 2017
Customer: Samsung Engineering Co., Ltd.
Location: Badra, Iraq
Project In-charge: Park, Sung Hwan (pandagi.park@samsung.com)
Karad Scope:

- Supply, Installation, Splicing and Testing of Fiber Optic Cable
 - 48 Core x 2 FOC + Magnetic Warning Tape and Ball Marker
 - Installation, Laying
 - Splicing and termination
 - Testing, OTDR
 - Back-filling



SAMSUNG
ENGINEERING

EPC for Badra-Zubaida Gas Export Pipeline



Year: 2015-2017
Customer: Gazprom Neft B.V./Techno Engineering
Location: Badra, Iraq
Project In-charge: Anton Skrypak (anton.skrypak@technoengineering.com)
Karad Scope:

- EPC for Electrical, Instrumentation and Telecom (EIT) Package
 - Overall EIT Package Management and Procurement
 - Detailed Design Engineering, Residual Engineering
 - Fabrication, Assembly, Integration
 - Site Installation Supervision, Testing and Commissioning
- EIT Package Includes:
 - Passive Cooled Shelters, Solar Panels, UPS, DBs, Cathodic Protection, Earthing and Lightning Protection, Electrical Cables
 - SCADA, RTU, ESD, Field Instruments, Metering Skids, Leak Detection System, Corrosion Monitoring System, Instrument Cables, JBs
 - FOC Laying, Splicing, OTDR, Testing, Termination and Fault Identification/Location
 - Telecom Patch Panels, Telecom Cables



42" Onshore Export Pipeline at West Qurna Field (Phase II)

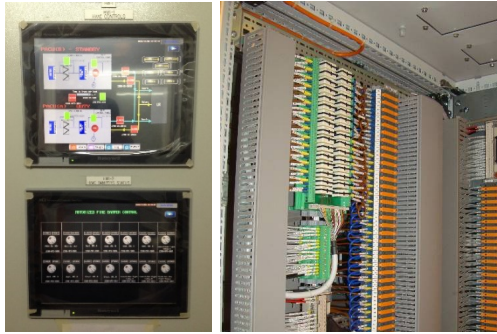


Year: 2015-2016
Customer: Lukoil/Techno Engineering
Location: West Qurna, Iraq
Project In-charge: Oleg Varakin (oleg.varakin@technoengineering.com)

Karad Scope:

- Management of Mechanical Completion and Pre-commissioning of Electrical, Instrumentation and Telecom (EIT) Package
- EIT Package Includes:
 - Hybrid Cooled Shelters, Solar Panels, UPS, DBs, Cathodic Protection, Earthing and Lightning Protection, Electrical Cables
 - SCADA, RTU, ESD, F&G System, Field Instruments, Metering Skids, HIPPS, Leak Detection System, F&G Detectors, Corrosion Monitoring System, Instrument Cables, JBs
 - FOC Splicing, OTDR, Testing and Fault Identification/Location
 - Telecom Patch Panels, Telecom Cables
 - Tetra Radio, Microwave and Fiber Optic Networks
 - CCTV, Access Control and PAGA

UZ750 AUP HVAC Control Panel Integration for Accommodation and Recreational Buildings



Year: 2015
Customer: Prekons / HLG / ZADCO
Location: Abu Dhabi, UAE
Project In-charge: Mahir Yucel (mahiryucel@prekons.com.tr)
Karad Scope:

- HVAC Control Panel Integration
 - Systems Engineering and Configuration
 - Cabinet Assembly and Integration
 - Factory Acceptance Testing and Pre-commissioning
 - Site Installation Supervision
 - Commissioning Support



ExxonMobil

HLG

HABTOOR
LEIGHTON
GROUP

prekons

Petronas FLNG 2 Project (LER P7 and S7)



Year: 2015
Customer: Petronas / ABB / Bomesco
Location: China / Malaysia
Project In-charge: Michael Gao (gaoyongcai@bomesco.com)

Karad Scope:

- Electrical-Earthling and Telecom Engineering for Prefabricated Local Equipment Room (LER P7 and S7)
 - Detailed Design
 - Yard Installation Supervision
 - Yard Testing and Commissioning Support



UZ750 AUP – ELV Integration Package



Year: 2014-2017
Customer: Vonk / HLG / ZADCO
Location: Abu Dhabi, UAE
Project In-charge: Ian Leech (Ian.Leech@hlgroup.com)

Project Description:

- Engineering, Design, Procurement, Installation, Integration, Testing, Commissioning and Completion including Operational Maintenance Support of SCADA System, PAGA System, TV/Entertainment System, Telecom System, and Fire & Gas System for all UZ750 Upper Zakum Oil Field Artificial Islands

Karad Scope:

- Overall Project Coordination (Engineering and Documentation)
- Basic and Detailed Design Engineering
 - SCADA, PLC/SIS and Fire & Gas System
 - PAGA, Structured Cabling, IT/Telecom, Entertainment System
 - Field Instruments and Cables
- Site Installation Supervision, Testing and Commissioning
- Local Procurement and Logistics Support
- Contracts Management and Project Expediting



HABTOOR
LEIGHTON
GROUP



UZ750 Island Surface Facilities (EPC2) Modular Building Fabrication Works



Year: 2014-2017
Customer: Bomesco / Petrofac / ZADCO
Location: Abu Dhabi, UAE
Project In-charge: Wang Yong Wei (wangyongwei@bomesco.com)

Project Description:

- Modular Buildings Fabrication Works (Electrical Substations)
 - ~ SI, NI and WI Main Substation - 64.4m x 22m x 7.4m (3 nos.)
 - ~ CI Main Substation - 78m x 25.4m x 13m (1 no.)
 - ~ CI Power Generation Substation - 52.7m x 20.9m x 14.3m (1 no.)

Karad Scope:

- Overall Project Coordination (Engineering and Documentation)
- Electrical, Instrumentation, Telecom and HVAC Engineering
 - Detailed Design
 - Installation Supervision
 - Testing and Commissioning Support
- Local Procurement and Logistics Support
- Contracts Management and Project Expediting

**ExxonMobil****Petrofac****BOMESCO**

UZ750 AUP – Modular Building Fabrication Works



Year: 2013-2016
Customer: Bomesc / HLG / ZADCO
Location: Abu Dhabi, UAE
Project In-charge: Chen Baosheng (chenbs@bomesc.com)
Project Description:

- Engineering, Fabrication, Supply, Installation Supervision, Testing and Commissioning of Workshops, Temporary Offices, Local Operator Room, Cargo Berth Building and Driller's Offices for South, North, Central and West Island.

Karad Scope:

- Overall Project Coordination (Engineering and Documentation)
- Electrical, Instrumentation and Telecom Engineering
 - Detailed Design
 - Site Installation Supervision
 - Testing and Commissioning Support
- Supply and Integration HVAC Control Panel
- Local Procurement and Logistics Support
- Contracts Management and Project Expediting

**ExxonMobil****HLG** HABTOOR
LEIGHTON
GROUP**BOMESC**

Majnoon Field Early Production Facilities – Packaged Electrical Substations



Year: 2011-2013
Customer: Shell Iraq Petroleum
Location: Majnoon, Iraq

Project Description:

- Packaged Electrical Substation
 - 1 no., 20 x 9 x 4 mtrs.
 - 3 nos., 7.5 x 3.5 x 4 mtrs.
- Substations are equipped with:
 - MV Switchgear
 - LV Switchgear
 - Transformers
 - Power Management System
 - UPS System
 - Battery Room
 - Fully Redundant HVAC

Karad Scope:

- Detailed Engineering
- Project Coordination
- Procurement Coordination

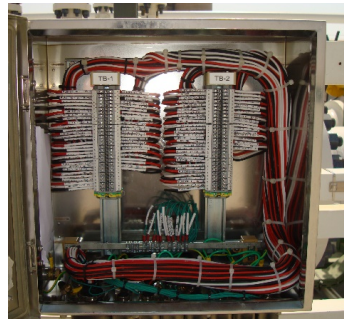


Petrofac



Karad - Vonk

Supply of Gas to New Al Ain Cement Plant for Arkan



- Year:** 2011-2012
- Customer:** GASCO / NPCC / CAT
- Location:** Abu Dhabi, UAE
- Project Description:** Complete turnkey electrical and instrumentation works for Launcher, Sectionalizing valve and Receiver stations
- Karad Scope:**
- Detailed Design:
 - Electrical and Instrumentation Residual Engineering
 - SCADA, ESD and F&G:
 - Honeywell FSC for ESD and F&G
 - Serck RTUs for Basic Control System
 - Interface to Flow Metering System
 - Local Control Room and SCADA Central Control Room
 - Instrumentation:
 - Field Instruments, Metering Skids, F&G Detectors, HSSD System, Inergen Systems, Junction Boxes, Cables
 - Electrical:
 - Perimeter Lighting, Small Power, Earthing, Integration of UPS System
 - Construction:
 - Field Construction, Installation and Commissioning of all Instruments, SCADA and Electrical Equipment

KOC Effluent Water Injection Project



Petrofac  **Honeywell**

Year: 2011-2012

Customer: KOC/ Petrofac/ Honeywell

Location: Kuwait

Project Description: Back Office and Site Engineering Support to Honeywell incl. supply and integration of Honeywell Experion PKS and Safety Manager System:

- 5000+ hardwired I/Os and 7000+ soft I/Os
- Expansion of GC15 plant
- Expansion of GC23 plant
- Migration of existing RS3 and new plant at CIPF

Karad Scope:

- Complete Engineering, FAT, IFAT and SAT
 - Project management and coordination in Dubai
 - Bulk engineering in KREC premises
 - FAT support in Houston
 - Marshalling, PDBs, and interposing relay cabinets assembly and testing at Karad staging facilities in Jebel Ali, Dubai, UAE

PDO Yibal GGP Compressor Upgrade



Year: 2010
Customer: IECC / PDO
Partner: Imtech-Vonk
Location: Oman
Project In-charge: Martijn Van't Hul, Project Manager
(martijn.vanthul@imtech.nl)

Project Description: Upgrade of Two numbers Compressor Control for Yibal GGP including Anti Surge Control

- Detailed Engineering for replacing existing pneumatic field instrumentation with smart electronic controllers
- Design, supply and installation of field mounted Local Control Panels with electronic instrumentation
- Supply, laying, termination and testing of all field cables
- System loop checking, commissioning and hand over
- Upgrade of Existing DCS and ESD Systems

Technology:

- Honeywell TDC3000 DCS
- Honeywell FSC Safety Controller



Karad - Vonk

Discovery Gardens SNG Plant



Year: 2010
End-User / Customer: Nakheel / Lootah BC Gas
Location: UAE
Project In-charge: Pradeep Bhat, Project Manager
(pradeep@lootahbcgas.com)

Project Description:

Discovery Gardens SNG Plant:

- 3 Bullet Tanks capacity 15,000 gallons
- 2 Mixer/Vaporizer/Blender unit
- 2 Air Compressor Units
- 1 Transfer Pump Skid, 1 Metering PRT
- 1 Diesel Generator 750 Kva/1 DEWA Transformer 1000 Kva
- Control Room, Control System / ESD System / SCADA system for distribution
- Fire & Gas / Fire Protection.

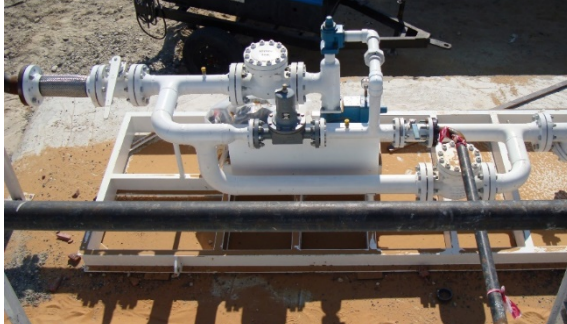
Scope:

- Instrumentation and Control, Metering Skid: Design, Engineering, Procurement, site installation and commissioning
- Electrical: Design, Engineering, Procurement, site installation and commissioning
- Project Management: Coordination of the above activities and construction work

Technology:

- Honeywell HC900 PLC with Plantscape Vista HMI

Palm Jumeirah – Permanent SNG Plant



Year: 2009 - 2010
End-User / Customer: Nakheel / Lootah BC Gas
Location: UAE
Project In-charge: Pradeep Bhat, Project Manager
(pradeep@lootahbcgas.com)

Project Description:

Palm Permanent SNG Plant:

- 12 Bullet Tanks capacity 15,000 gallons
- 2 Mixer/Vaporizer/Blender unit
- 2 Air Compressor Units
- 2 Transfer Pump Skid, 1 Metering PRT
- 1 Diesel Generator(1000 Kva) / 1 DEWA transformer (1500 Kva)
- Control Room, Control System / ESD System / SCADA system for distribution
- Fire and Gas / Fire Protection.

Scope:

- Instrumentation and Control, Metering Skid: Design, Engineering, Procurement, site installation and commissioning
- Electrical: Design, Engineering, Procurement, site installation and commissioning
- Project Management: Coordination of the above activities and construction work

Technology:

- Honeywell HC900 PLC with Plantscape Vista HMI

Palm Jumeirah – Temporary SNG Plant



Year: 2009
End-User / Customer: Nakheel / Lootah BC Gas
Location: UAE
Project In-charge: Robert “Bob” Mattia, Project Manager
(b.mattia@qenergy.ae)

Project Description:

Temporary SNG Plant:

- 3 Bullet Tanks capacity 15,000 gallons
- 1 Mixer/Vaporizer/Blender unit
- 1 Transfer Pump Skid
- 1 Metering PRT
- 1 Diesel Generator 810 Kva
- Simple PLC control system for vaporizer (Automation Direct)

Scope:

- Instrumentation and Control, Metering Skid: Design, Engineering, Procurement, site installation and commissioning
- Electrical: Design, Engineering, Procurement, site installation and commissioning
- Project Management: Coordination of the above activities and construction work

GASCO YAS Island Pipeline Project



Year: 2009
Customer: GASCO
Location: UAE
Project In-charge: Robert "Bob" Mattia, Project Manager
(b.mattia@qenergy.ae)

Project Description:

Detailed Design:

- Electrical, Mechanical, Pipeline, Civil, Instrumentation Design, SCADA

SCADA, ESD and F&G Integration:

- Hima SIL-3 PLC for ESD & F&G, RTU functionality
- Schneider Quantum PLC for Basic Process Control System and RTU functionality
- Integration and Interface to Flow Metering System
- Local Control Room and SCADA Central Control Room

Construction:

- Field Construction, Installation and Commissioning

ZADCO MOSAICS Phase IIB



Year: 2008
Customer: ZADCO
Location: UAE
Project In-charge: Sentil Murugan (Honeywell Middle-East)
Project Description: Modernisation of SCADA and Instrument/Control Systems (MOSAICS)

Project Scope:

- Detailed Design Specifications
- FSC Configuration
- I/O database development
- FSC FAT procedure and FAT Assistance
- Construction Work packs
- Development of Loop Drawings
- Review of C&E and FLD's
- Development of site change-over procedure

Technology:

- Honeywell Experion with Foundation Fieldbus
- Honeywell Safety Manager
- Honeywell RC500 RTUs



Honeywell

Qurayyah Power Plant – 4 x 650MW Steam Turbines



Year: 2009
Customer: Saudi Electric Company
Partner: HTAL
Location: Kingdom of Saudi Arabia
Project In-charge: James Perrine (james.perrine@honeywell.com)
Project Description: 4 x 650MW Steam Turbines
 Qurayyah Power Plant Unit 1

Karad Scope: Karad supported in the Revamp, Installation, Pre-commissioning, Commissioning, and Warranty Period

Technology: Mitsubishi Power
 Honeywell Experion
 Honeywell Safety Manager
 GE Mark 5
 Bentley Nevada
 Siemens Speed Controller



Honeywell



SIEMENS

Lybia New Fuel Gas Line Brega-Zueitina – Terminal Project



Location: Libya
Project In-charge: Pierre Jadot

Project Scope:

- Full project implementation of ESD, F&G and Burner Management System - 4 Heaters
- Functional Design Specifications
- I/O List Database
- Detailed Design Specifications
- Safety Manager Configuration
- Pre-FAT
- FAT Assistance (on-going)
- Site Assistance (future)

Technology:

- Honeywell Safety Manager



Honeywell

QP Multi Product Pipeline Abu Hamour – DCS, ESD, F&G and RTU



Customer: Qatar Petroleum
Location: Qatar
Project In-charge: Salah Taki (Honeywell Middle-East)

Project Scope:

- TPS Graphics Modifications
- Experion release 310 Graphics Implementation
- Pre-FAT
- FAT
- Punch List Clearance

Technology:

- Honeywell Experion with Foundation Fieldbus
- Honeywell Safety Manager
- Allen Bradley RTUs

Nuovo Pignone Compressor Upgrade



Customer: PDO
Location: Oman
Project In-charge: Giovanni Di Pietro (Honeywell Italy)

Project Scope:

- Site Activities
- Develop and commission of interface between Honeywell FSC and V- Monitor RTU's, Bentley Nevada, Foxboro DCS, GE Mark VI
- Additional assistance in development of GE Mark VI HMI
- SAT
- Pre-Commissioning and Commissioning

Technology:

- Honeywell FSC / Safety Manager



Honeywell

Supply of Distributed Control System for CORC



Customer: Honeywell
End User: Cairo Oil Refining Company
Location: Egypt
Project In-charge: Mohamed Fawzy, Project Manager
(mohamed.fawzy@honeywell.com)

Project Scope:

- Implementation of control Logic for DCS system using Honeywell C300.
- Design and implementation of new HMIs on new EPKS system as per customer standards, EPKS system network.
- Integration of Foundation Field Bus instruments in EPKS system.
- FFB Segment design and Power calculations using P&F tools.
- Layout of Junction Box/Marshalling Cabinet Termination Detail,
- instrument loop drawings and cable schedule.
- Development of the I/O database system.
- Design of marshalling and system cabinet general arrangement drawings and wiring diagrams.



Honeywell

Fire Fighting Propane Storage and Utilities

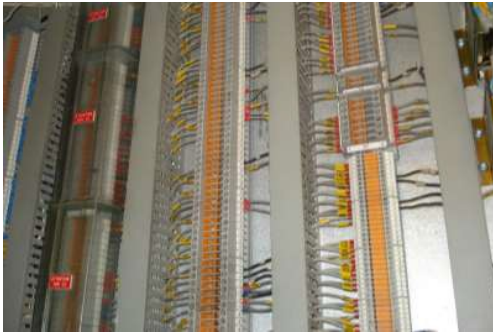


Customer: Honeywell
End User: Egyptian Bahraini Gas Derivative Company
Location: Egypt
Project In-charge: Mohamed Fawzy, Project Manager
(mohamed.fawzy@honeywell.com)

Project Scope:

- Implementation of control Logic for DCS system using Honeywell C300.
- Design and implementation of new HMIs on new EPKS system as per customer standards, EPKS system network.
- Integration of Foundation Field Bus instruments in EPKS system.
- FFB Segment design and Power calculations using P&F tools.
- Layout of Junction Box/Marshalling Cabinet Termination Detail, instrument loop drawings and cable schedule.
- Development of the I/O database system.
- Design of marshalling and system cabinet general arrangement drawings and wiring diagrams.

SEC-WOA Ghran



Customer: Saudi Electric Company
Partner: Naizak Power Systems
Location: Kingdom of Saudi Arabia
Project In-charge: Dr. Ibrahim Akar, General Manager
(akariy@naizak.com)

Project Scope:
SCADA portion:

- 1 new RTU to be installed at 33/13.8kv Ghran S/S
- Modification works at Rabigh and Tabuk #5 S/Ss (addition of new alarms from telecom equipment).
- (IFC) marshalling cabinets & Transducer Cabinets

Telecom portion:

- 33/13.8kv Ghran S/S Fiber Optic Equipment
- 33/13.8kv Ghran S/S Main Distribution Frame
- 33/13.8kv Khulais S/S Fiber Optic Equipment

Technology:

- A single, dual-port Microsol XCell SCADA RTU
- Siemens Telecom Equipment

Sowah Island Distribution Piping (District Cooling)



Customer: Tabreed
Partner: CAT (Contracting and Trading Co.)
Location: UAE
Project In-charge: Moufid Aswad, Project Manager
(m.aswad@catgroup.ae)

Project Scope:

- Supply, installation, testing and commissioning of Instrumentation and Control System.
- Detailed Engineering for field instrumentation with smart electronic controllers
- Supply and installation of field mounted instrumentation
- Supply, laying, termination and testing of all field cables
- System loop checking, commissioning and hand over

Technology:

- GE Fanuc PLC
- Wonderware interface

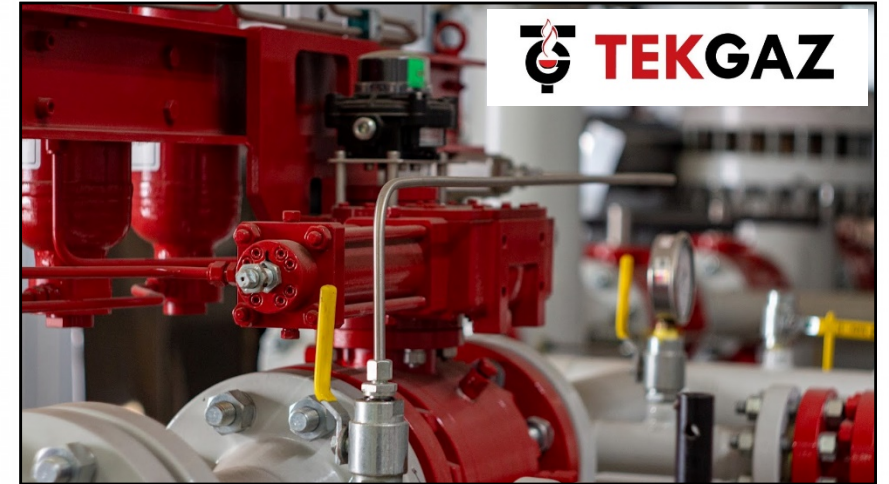


KaradGaz (Turkey) – Owned TEKGAZ

Tekgaz was established in 1993 and is currently owned by KaradGaz, having its headquarters located in Bursa, Türkiye, with the aim of carrying out Natural Gas domestic transformation works.

Since then, Tekgaz has offered services in every field of Natural Gas sector, with the exception of underground storage. At the same time, Tekgaz also entered the mechanical installation industry and gained extensive knowledge and experience on compressed air, fire, steam, hot oil, cooling and central heating and cooling systems and combined power systems.

In all its work, Tekgaz values people and the environment, and has always prioritized the "Harmony of Technology with Nature".



Services

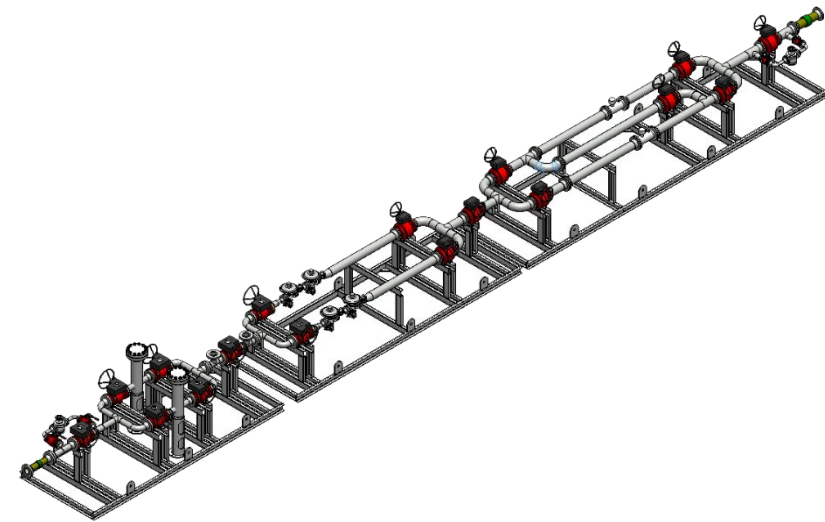
Pipeline Construction

- Production of Polyethylene lines up to 315 mm diameter and steel lines up to 16 inch diameter.
- No limitation on diameter size in industrial facilities or fixed point construction sites, especially on steel pipe manufacturing.



Manufacturing - PRMS

- Manufactures all Pressure Regulating and Metering Stations (PRMS) up to 100 barg without outlet pressure and flow rate restrictions, within the scope of ASME 31.3 certificate issued by the American Society of Mechanical Engineers (ASME).



Services

Manufacturing - Steel Filters

- Qualified to manufacture cartridge steel filters up to 12" diameter and 600# pressure class within the scope of TSEK 350 certificate issued by the Turkish Standards Institute.
- We are also qualified to manufacture cyclone steel filter with ASME Sec VIII seal without diameter and pressure limitations.



Manufacturing - Heat Exchanger

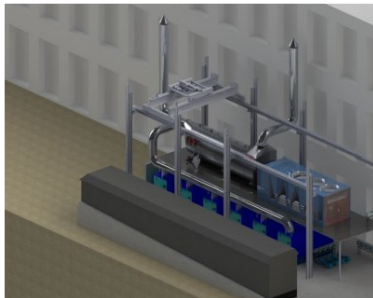
- Manufactures and design Heat Exchangers in the form of shell and tube, and as per Client requirements, with ASME Sec VII Seal upon request.



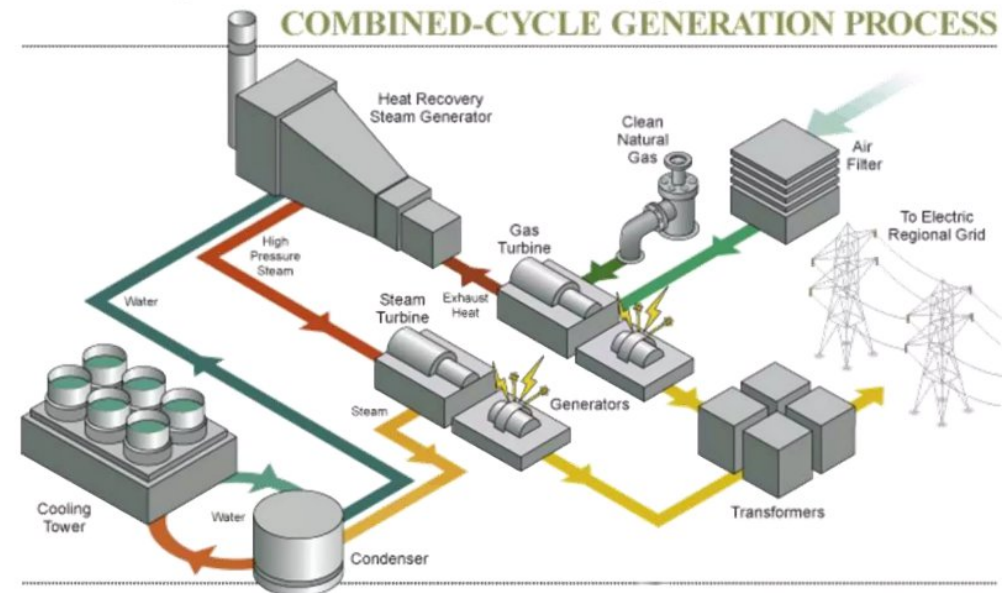
Services

Construction - Cogeneration and Trigeneration Plants

- Produce Package Type Cogeneration Systems.
- Produce Combined Heat and Power (CHP) units as a package, starting from 70 kW up to 2 MW power, in line with demands.



Cogeneration & Trigeneration



Certificates



Certificates



CERTIFICATE

The certification body of TÜV AUSTRIA TURK certifies that
Belgelendirme Kuruluşu TÜV AUSTRIA TURK

TEKGAZ DOĞAL GAZ ISI SİSTEMLERİ PROJE YAPIMI ETÜT MÜŞAVİRLİK KONTROL VE DENETİM İNŞAAT SANAYİ TAAHHÜT LTD. ŞTİ.
İSMETİYE MAH. 2.İNCE SK. TÖRKÜ NO: 21 İÇ KAPI NO: 1 OSMANGAZI BURSA

or

TEKGAZ DOĞAL GAZ ISI SİSTEMLERİ PROJE YAPIMI ETÜT MÜŞAVİRLİK KONTROL VE DENETİM İNŞAAT SANAYİ TAAHHÜT LTD. ŞTİ.
İSMETİYE MAH. 2.İNCE SK. TÖRKÜ NO: 21 İÇ KAPI NO: 1 OSMANGAZI BURSA

has met all necessary quality requirements for welding according to
İlgili standart kapsamında kaynak kalite şartlarını karşıladığı gerekçesi ile
yukarıda bilgileri verilen firma adına bu belgeyi düzenlemiştir.

ISO 3834-2

Date of audit:
Denetim tarihi 31.07.2024

This certificate is valid for the following products or service ranges:
Bu sertifikaya aşağıda tanımlanmış olan ürün ve hizmet kapsamları için geçerlidir.

Pressure reduction measuring stations, steel filters, spool manufacturing
Basınç düşürme ölçüm istasyonları, çelik filtreler, spool imalatı

Date of expiry:
Geçerlilik süresi 30.07.2025

Certificate no.: CAS-23-PC-0537-TAT-0262

Certification body of
TÜV AUSTRIA TURK
Ankara
02.08.2024
Ali Osman ÖZDEMİR
Certification Manager
Belgelendirme Müdürü

This certificate will be invalid in case of failure to meet all these necessary requirements as defined in the annex to this certificate CAS-23-PC-0537-TAT-0262.
Bu sertifikamın eksi olarak düzenlenen dokümanında tanımlanmış ilgili gerekliliklerin yerine getirilmemesi halinde CAS-23-PC-0537-TAT-0262'nin sertifikası geçersizliği kaydedilecektir.

ORT-CAS-002 ISO 3834 Sertifikası
Revizyon Numarası: 03
Revizyon Tarihi: 28.05.2023
Page: 10

TÜV AUSTRIA TURK BELEGİTİM VE GÖZETİM HİZLTD.ŞTİ.
Bu belgeyi düzenleyen şirket TÜV AUSTRIA TURK personeli, tüm uygunluk değerlendirme faaliyetleri TÜV AUSTRIA TURK için ve tüm hizmetlere uygun olarak gerçekleştirilmiştir.

Genel Müd. İsmail Çelik
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E-mail: info@tuvtrk.com.tr
Phone: +90 (216) 537 08 11
Fax: +90 (216) 537 08 13

Sertifika Ekleri No:
Enclosure to Certificate no.

CAS-23-PC-0537-TAT-0262



TÜV AUSTRIA TURK

EN ISO 3834-2 göre, "Kaynak kalite gereksinimleri" Uygunluk Belgesi
Proof of compliance with the „Welding quality requirements“
according to EN ISO 3834-2

Verification of the requirements and technical review Şartların Gözden Geçirilmesi ve Teknik İncelene Subcontracting: Taahhüt Welding personnel: Kaynak Personeli Personnel for monitoring and testing: Muayene ve Deney Personeli Equipment: Teçhizat Welding and associated activities: Kaynak ve İlgili Faaliyetler Welding consumables: Kaynak Sarf Malzemeleri Storage of raw materials: Ham madde Depolama Heat treatment: Isıl İşlem Monitoring and testing related to welding: Kaynak ile ilgili Muayene ve Deney Non-compliance and corrective measures: Uyumsuzluk ve Düzeltici Faaliyetler Calibration and validation of measuring, monitoring and testing equipment Ölçme, Muayene ve Deney Teçhizatının Kalibrasyonu ve Geçerlilik Sırası Labeling and traceability: Etiketleme (Tanıtım) ve İzlenebilirlik Quality reports: Kalite Kayıtları	P.022 Contract Review Procedure P.022 Sözleşmenin Gözden Geçirilmesi Prosedürü P.008 Supplier Evaluation Instruction P.008 Tedarikçi Değerlendirme Talimatı Welding Coordinator / Kaynak Koordinatörü (Yusuf UÇAR-İWE) Welding Coordinator / Kaynak Koordinatörü (Yusuf UÇAR) Quality Responsible / Kalite Sorumlusu (Süheyla KORKMAZ) F.036 Maintenance Plan F.036 Bakım Planı 111, 141 EN ISO 636, EN ISO 14175, EN ISO 2560 T.026 Transportation and Storage Procedure T.026 Taşıma ve Depolama Prosedürü N/A Uygulanmaz Inspection Test Plan / Kalite Kontrol Planı Welding Control Form / Kaynak Kontrol Formu P.004 Corrective Measures Procedure P.004 Düzeltici Faaliyetler Prosedürü P.013 Follow Up and Measurement Devices Control Procedure P.013 İzleme ve Ölçüm Cihazları Kontrolü Prosedürü PR.07.04 Labelling & Traceability Procedure PR.07.04 Etiketleme ve İzlenebilirlik Prosedürü Quality Forms and Records Kalite Form ve Kayıtları
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For additional information see: Test record

Ankara, 02.08.2024

ORT-CAS-002 ISO 3834 Sertifikası
Revizyon Numarası: 03
Revizyon Tarihi: 28.05.2023
Page: 10

TÜV AUSTRIA TURK BELEGİTİM VE GÖZETİM HİZLTD.ŞTİ.
Bu belgeyi düzenleyen şirket TÜV AUSTRIA TURK personeli, tüm uygunluk değerlendirme faaliyetleri TÜV AUSTRIA TURK için ve tüm hizmetlere uygun olarak gerçekleştirilmiştir.

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Umraniye / İSTANBUL
E-mail: info@tuvtrk.com.tr
Phone: +90 (216) 537 08 11
Fax: +90 (216) 537 08 13





Certificates

BOTAS

**MİLLÎ
ENERJİ**

İMALAT YETERLİLİK BELGESİ

FİRMANIN ADI:

TEKGAZ DOĞAL GAZ ISI SİST. PROJE YAPIM
ETÜD MÜŞ. KON. VE DEN. İNŞ. SAN. TAAH.
LTD. ŞTİ.

FİRMANIN ADRESİ:

İsmetiye Mah. 2. İnce Sk. Torku No:21 İç Kapı
No:1 Osmangazi/BURSA

FİRMANIN FAALİYET ALANI:

Doğal Gaz İstasyonları ve Doğal Gaz
Ekipmanları İmalatı

BELGE GEÇERLİLİK SÜRESİ:

08 Eylül 2023 – 07 Eylül 2025

FİRMANIN YETERLİ BULUNDUĞU İŞ KONUSU:

Doğal Gaz Basınç Düşürme ve Ölçüm İstasyonu

İstasyon Tipi : B (Toprak üstü)
İstasyon Basınç Sınıfı : Giriş Basıncı Max. 25 barg
İstasyon Kapasitesi : 20.000 Sm³/h'e kadar

İstasyon Tipi : A (Toprak üstü)
İstasyon Basınç Sınıfı : Giriş Basıncı Max. 75 barg
İstasyon Kapasitesi : 1.500.000 Sm³/h'e kadar

YETERLİLİK BELGE NO:

DG-BDÖL-112

Burhan ÖZCAN
BOTAS Genel Müdürü

Bu belge, Doğal Gaz Boru Hattı veya İstasyonları ile ilgili olarak, malzeme, ekipman veya makina üretimi konularında BOTAS Genel Müdürlüğü'nün ihtiyaçlarını karşılamak üzere talepte bulunan üretici firmaların, imalat bakımından yeterli bulunması durumunda BOTAS Genel Müdürlüğü tarafından verilir.

TÜRK STANDARDLARI ENSTİTÜSÜ
TÜRK STANDARDLARINA UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS

Makine / Machine
TSE TSE
Description / Description
TSE TSE

BELGE NUMARASI
REFERENCE NUMBER OF / NOFNOF

027010-TSE-03/03

BELGENİN İLK VERİLİŞ TARİHİ
DATE OF FIRST ISSUE OF LICENCE

05.11.2021

BELGENİN SON GEÇERLİLİK TARİHİ
EXPIRING VALID UNTIL

05.11.2024

BELGE SAHİBİ KURULUŞUN ADI
NAME OF THE LICENSE HOLDER

TEKGAZ DOĞAL GAZ ISI SİSTEMLERİ PROJE YAPIMI ETÜD PROJESİ
MÜŞAVİRLİK VE DENETİM İNŞ. SAN. TAAHLTD ŞTİ.

BELGE SAHİBİ KURULUŞUN ADRESİ
ADDRESS OF THE LICENSE HOLDER

ÖVEVLER MAH. 80.(220) SK. NO:2 R. NİLÜFER BURSA/TÜRKİYE

ÜRETİM YERİ ADI
NAME OF THE MANUFACTURING PLACE

TEK GAZ DOĞAL GAZ ISI SİSTEMLERİ PROJE YAPIMI ETÜD PROJESİ
MÜŞAVİRLİK KONTROL VE DENETİM İNŞ. SAN. TAH. LTD. ŞTİ.
İSMETİYE ŞUBESİ

ÜRETİM YERİ ADRESİ
ADDRESS OF THE MANUFACTURING PLACE

İSHİFTİYEH MAH. 2. SK. TORUKU NO: 21 KAPI NO : 1 / OSMANGAZI
BURSA / TÜRKİYE

İPTAL EDİLEN BELGE NUMARASI (Varsa)
INDICATION OF SUPERSEDED LICENCE (if any)

027010-TSE-03/02

TESCİLİ TİCARİ MARKASI
REGISTERED TRADE MARK

tekgaz

İLGİLİ TÜRK STANDARDI
RELATED TURKISH STANDARD

TS EN 12196 / 24.12.2014

BELGE KAPSAMI
SCOPE OF LICENCE

GAZ BASINCI REGLAJ İSTASYONLARI: MAKSYMUM GİRİŞ ÇALIŞMA BASINCI 100 bar'ı GEÇMEYEN

e-imza ile signed

26.07.2024

Belgeleendirme Merkezi Başkanına Adına
ELİF CEBECİ

TSE BURSA BELGELENDİRME MÜDÜRÜ V.

The holder declares that the product conforms to the technical specifications of the standard referred to in the certificate.

The holder also declares that the product meets the requirements of the standard referred to in the certificate.

The holder also declares that the product meets the requirements of the standard referred to in the certificate.

"TSE EN 12196 / 24.12.2014" gaz basıncı reglaj istasyonları için çalıştırma belgesi. "TSE EN 12196 / 24.12.2014" gaz basıncı reglaj istasyonları için çalıştırma belgesi. "TSE EN 12196 / 24.12.2014" gaz basıncı reglaj istasyonları için çalıştırma belgesi.

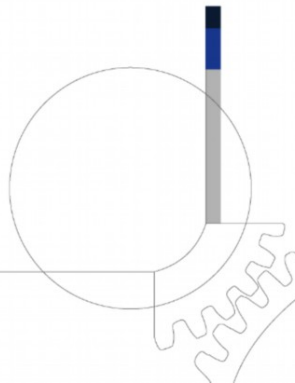
Belgeleendirme Merkezi Başkanlığına Adına / Belgeleendirme Merkezi Başkanlığına Adına / Belgeleendirme Merkezi Başkanlığına Adına

1/1

6,000 Sm³/h Metering Station



Year: 2024
Customer: Camiș Madencilik A.Ş.
Bilecik 2. Organize Sanayi Bölgesi
Location: Bilecik, Türkiye
Scope: Manufacturing, Supply, and Contracting



6,000 Sm³/h Metering Station



arslan alüminyum a.ş.

Year:

2022

Customer:

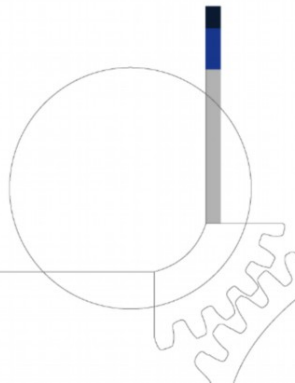
Arslan Aluminyum. A.Ş.

Location:

Bilecik

Scope:

Manufacturing, Supply, and Contracting



6,000 Sm³/h Metering Station



Year:

2008

Customer:

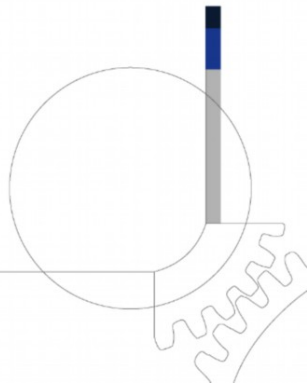
İzgaz Doğalgaz

Location:

Izmit, Türkiye

Scope:

Manufacturing, Supply, and Contracting



6,000 Sm³/h Metering Station



Year:

2007

Customer:

Olimpsgaz A.Ş.

Location:

Antalya, Türkiye

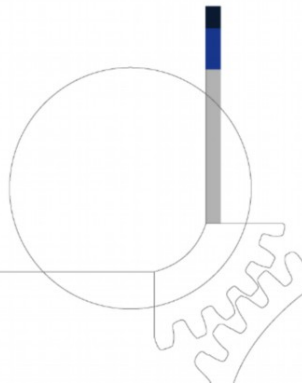
Scope:

Manufacturing, Supply, and Contracting

6,000 Sm³/h Metering Station



Year:	2003
Customer:	Turkish Petroleum International Company
Location:	Dörtyol, Hatay, Türkiye
Project Description:	Truck Filling Station. 80 truck/hour. 4 different foul oil
Scope:	Manufacturing, Supply, and Contracting



Other Project References

KaradGaz Project Reference:

- Natural Gas City and Organized Industrial Zones Distribution Systems Design of the City of Bursa (1993)
- Pressure Reducing and Metering Station Manufacturing, Installation, Service and Operation - TSE, BOTAŞ, İGDAŞ, BURSAGAZ, ZORLU, ENERYA, UDAŞ ve AKSA
- KALEKİM LYKSOR D.Gas Installation and RMS Station
- Medium and High Pressure Transmission Line Design Project
- Turnkey Factory Mechanical Installations in SERAMİKSAN, UŞAK SERAMİK, ERCAN SERAMİK, IŞIKSOY TEKSTİL, ÖZDİLEK, BEZMEZ TEKSTİL, HAKSAN, ALCAST, ORHAN HOLDİNG, SÖNMEZ HOLDİNG, PAŞABAHÇE, ŞİŞECAM
- Sonmez Enerji 57 MW Combine
- Can Enerji 52 MW Cogeneration
- Uşak Enerji 8.7 MW Cogeneration
- BİS Enerji 37 MW Combine Cycle
- Uşak Seramik 9.9 MW Cogeneration
- ORDA Otomative 1.065 MW Trigeration
- Demirer Kablo 1.065 + 1.6 MW Cogeneration
- Özdilek Tekstil 5 MW Cogenaration
- Köknar Kağıt 3.3 MW Cogeneration



Questions

