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DK-Lok EPC Project

DK-Lok Corporation

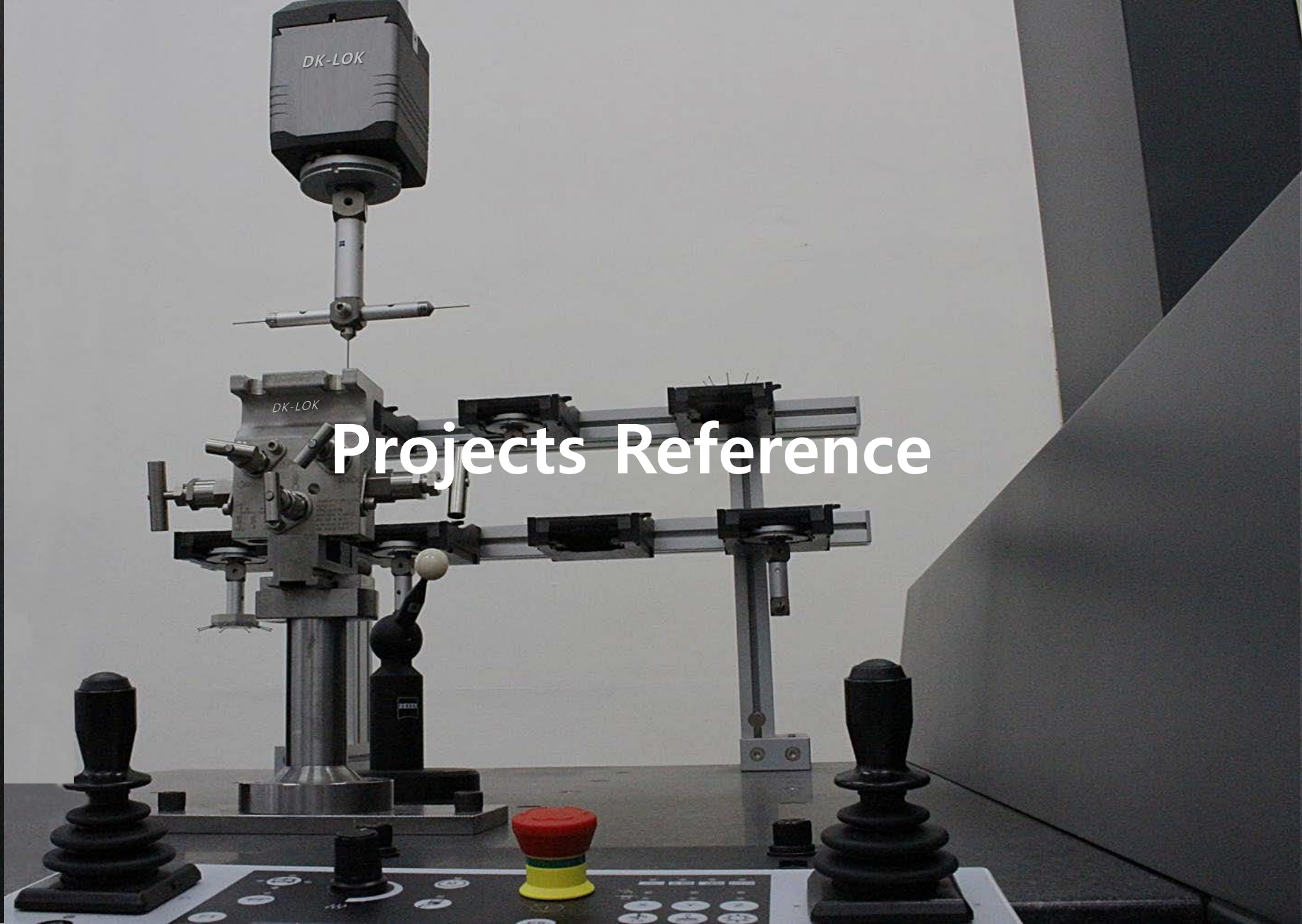
July 19th, 2025



DK-LOK

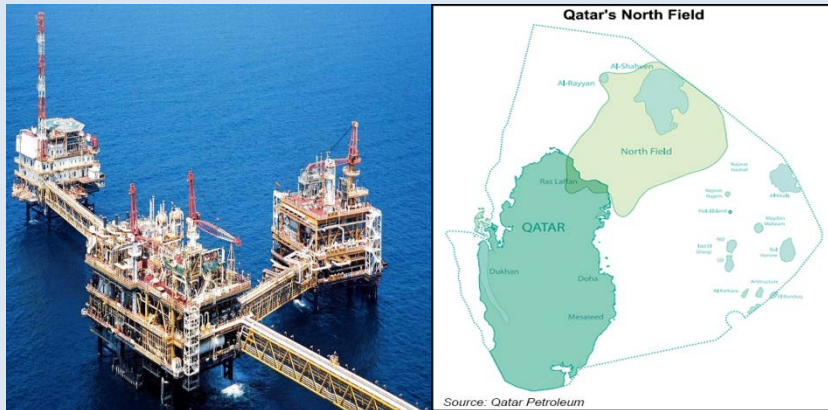
DK-LOK

Projects Reference



Projects Reference – Offshore PJT

The NFPS Project objective is to sustain the Qatargas North Field production plateau via an integrated investment in surface facilities expansion. The North Field is one of the largest single non-associated natural gas field, it is operated by Qatargas and lies off the north-east shore of the Qatar peninsula.



PROJECT	North Field Production Sustainability PJT
CAPACITY	- Four (4) Wellhead Platform Topsides - Six (6) Corrosion Resistant Alloy Clad Carbon Steel Intra-Field Pipelines
Type	Offshore platform
LOCATION	North Field of Qatar
PERIOD	2021 ~
WORK SCOPE	Supplying Instrumentation Bulk Material

MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
North Field Production Sustainability PJT(EPCOL)	Saipem	Instrumentation Flange Adaptor	2022

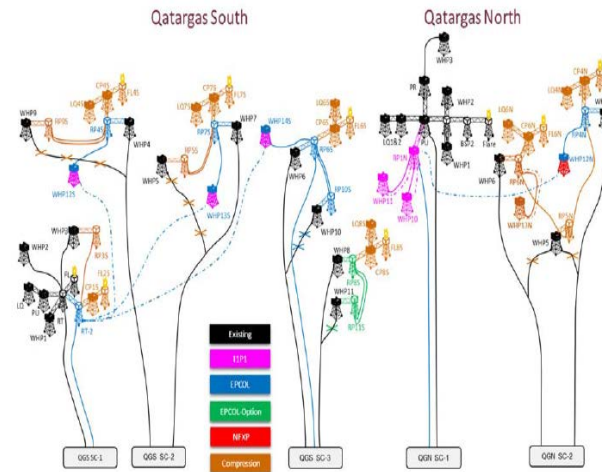
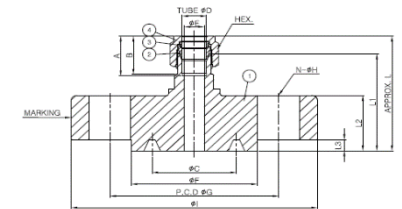


Figure 1: Schematic for the North Field Production Sustainability Offshore & Pipelines Project



Features of the project
✓ Alloy 625 Flange Adaptor 1,218pcs up to #2,500
✓ Production Lead time within 4 months, 2.5 months ahead of the plan
✓ Qatar Gas Specification applied

Projects Reference – LNG Terminal

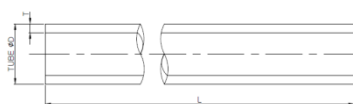
The project involves the engineering and construction of a series of four LNG production facilities using natural gas source d from the North Field Gas Field, the world's largest gas field. The annual production capacity of 8 million tons is the largest in the world for a single series



PROJECT	North Field East (NFE) Project
CAPACITY	8 million tons
Type	LNG Terminal
LOCATION	North Field East of Qatar
PERIOD	2021 ~
WORK SCOPE	Supplying Instrumentation Bulk Material

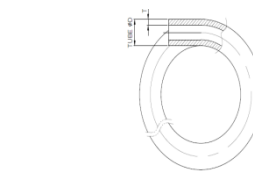
MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
North Field East (NFE) / Train 1~4 Project	Chiyoda/WEA	Instrumentation Fitting, Valve, Tubing, Pipe, Pipe Fitting, Flange and so on	2023~4



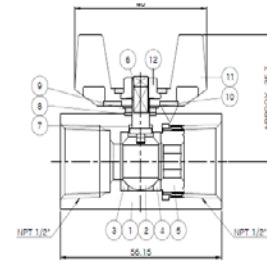
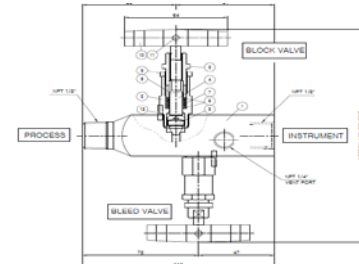
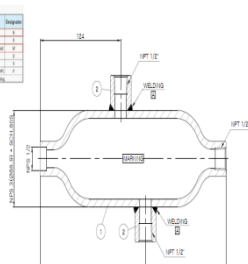
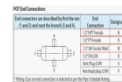
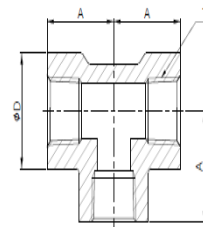
• DIMENSION TABLE

IDENT CODE	PART NO.	TUBE ØD (mm)	T (mm)	L (mm)	MATERIAL
J7010052	TL2-005-6M-S	1 1/8"	0.028"	6	ASTM A 269 TP316, SMLS
J7010053	TL4-005-6M-S	1 1/4"	0.028"	6	ASTM A 269 TP316, SMLS
J7010054	TL4-005-6M-S	1 1/4"	0.035"	6	ASTM A 269 TP316, SMLS
J7010055	TL6-005-6M-S	3/8"	0.035"	6	ASTM A 269 TP316, SMLS
J7010056	TL8-045-6M-S	1 1/2"	0.049"	6	ASTM A 269 TP316, SMLS
J7010058	TL4-020-6M-M	1 1/4"	0.022"	6	ASTM B165 Alloy 400, SMLS
J7010059	TL6-020-6M-M	3/8"	0.022"	6	ASTM B165 Alloy 400, SMLS
J7010060	TL8-045-6M-M	1 1/2"	0.049"	6	ASTM B165 Alloy 400, SMLS
J7010057	TL8-045-6M-HC	1 1/2"	0.049"	6	ASTM B622 Alloy C276, SMLS



• DIMENSION TABLE

IDENT CODE	PART NO.	TUBE ØD (mm)	T (mm)	MATERIAL	WORKING PRESSURE (MPa)	STANDARD COL. LENGTH (mm)
J7020007	TL-008-1Q-S	3/8"	0.049"	ASTM B86 SMLS COL.	1.059 MPa	504
J7020008	TL-008-1Q-S	1/4"	0.035"	ASTM A 269 TP316 SMLS COL.	0.102 MPa	605
J7020009	TL-008-1Q-S	3/8"	0.035"	ASTM A 269 TP316 SMLS COL.	3.800 MPa	530
J7020010	TL-008-1Q-S	1/2"	0.035"	ASTM A 269 TP316 SMLS COL.	2.400 MPa	385



Features of the project

- ✓ More than 150,000 Meter of instrumentation Tubing(SS316, Monel) Supplied
- ✓ Fittings, Valve, Flexible hose, Pipe, Pipe fitting, Flange products supplied
- ✓ Qatar Energy / Qatar Gas Specification applied

Projects Reference – Offshore PJT

OIL & GAS (OFFSHORE)

Client	EPC	Project	Location	Work Description	Year
ONGC	Larson & Toubro	MHNRD III 5WPP Well Platform PJT	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2015
	Hall Offshore	MHNRD Phase III Pipeline Project	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2015
	Larson & Toubro	MHNRD III 5WPP Well Platform PJT	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2015
	Larson & Toubro	MHNRD III BCPA 3 PJT	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2016
	Sapura	MHSRDIII -P-051 PJT	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2016
	Sapura	MHSRD III-P-IN-033f	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2016
	Sapura	MHSRDIII -P-IN- 044E	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2016
	Larson & Toubro	MHNRD III BD 3P Offshore Plant	INDIA	SS316, Monel 400, 6Mo Fittings & Valves	2018
POGC	OIEC	SOUTH PARS GAS FIELD DEVELOPMENT PROJECT PHASES 17 & 18 Offshore PLATFORMS	IRAN	Manufacturing, Testing and Supply of Instrument Fittings and Valves Alloy 625	2011~2017
POGC	ISOICO	SOUTH PARS GAS FIELD DEVELOPMENT PROJECT PHASES 14 Offshore PLATFORMS	IRAN	Manufacturing, Testing and Supply of Instrument tubing Alloy 625	2017
ONGC	Larson & Toubro	MHNRD III BD 3P Offshore Plant	INDIA	Manufacturing, Testing and Supply of Instrument Fittings	2018
ADNOC offshore	Rotork Middle East FZE	ZADCO project	UAE	Supply of Instrument Fittings and Tubing (6Mo)	2020
ADNOC offshore	Rotork Middle East FZE	UZ-750, ZADCO 3rd lot	UAE	Supply of Instrument Fittings and Tubing (6Mo)	2020

Projects Reference – Offshore PJT

OIL & GAS (OFFSHORE)

* Ongoing

Client	EPC	Project	Location	Work Description	Year
Lukoil	NTA-Prom	Lukoil Kaspi offshore	Russia	Manufacturing, Testing and Supply of DBB & SBB	2020
ADNOC offshore	NPCC(NMDC)	NASR 85 MBD WHT Modifications Project	UAE	Supply of Instrument Fittings and Tubing (6Mo Tubing + SS316 2.5% Moly fittings)	2021
ADNOC offshore	SK E&C	Seepage Water Treatment Package	UAE	Supply of Instrument Fittings and Tubing (SS316 2.5% moly & Super duplex)	2021
Novatek	Wison offshore	Arctic LNG 2 / Offshore Module	China/Russia	Instrumentation Tube Fittings & Valve SS316 / Flange Adapter	2023
Novatek	PJOE (Jutal Offshore)	Arctic LNG 2 / Offshore Module	China/Russia	Instrumentation Tube Fittings & Valve SS316 / Flange Adapter- (\$ 240K)	2023
Novatek	BOMESC Offshore	Arctic LNG 2 / Offshore Module	China/Russia	Instrumentation Tube Fittings & Valve SS316 / Flange Adapter- (\$ 100K)	2023
ADNOC	NPCC & Saipem	Hail & Ghasha Offshore Project	UAE	Instrumentation Tube Fittings & Valve, Flange, Clamp and other accessories (6Mo, Titanium, SS316)	2025

Projects Reference – Offshore PJT

OIL & GAS (OFFSHORE)

* Ongoing

Client	EPC	Project	Location	Work Description	Year
Qatar Gas	Saipem	North Field Production Sustainability PJT	Qatar	TUBE FITTINGS (FLANGE ADAPTORS) Alloy 625 - (\$1.3 Million)	2022
Qatar Gas	Saipem/ Solas Marine	NFPS CASCADE project 2 Nitrogen Package	Qatar	Instrumentation Tube Fittings Alloy 625 - (\$ 500K)	2022
Qatar Gas	Saipem/ Solas Marine	NFPS CASCADE project 1	Qatar	Instrumentation Tube Fittings & Valve SS316 & Alloy 625 - (\$ 300K)	2022
Qatar Gas	Saipem/ Emerson	NFPS Transmittal Project	Malaysia	Instrumentation Fittings in Monel	2023
Qatar Gas	Saipem/ Emerson	NFPS Transmittal Project	UAE	Instrumentation Fittings & Valve Alloy 625	2023
Qatar Gas	Samsung C&T	NFE Lean LNG Storage and Loading Expansion Package 2	Qatar	Hook up material(SS316, Monel) Fittings, Valves, Tubing and Accessories - \$1.15 Million	*2023~2025
Qatar Gas	Chiyoda	NFE LNG Terminal Platform Package 1	Qatar	Piping and Tubing material SS316, Monel, Carbon Steel Fittings, Valves, Tubing and Accessories - \$2.8 Million	*2023~2025
Qatar Energy	Tecnimont	Ras Laffan Project	Qatar	Instrumentation Fittings, Valve and Tubing	*2025
Qatar Gas	Saipem	NFPS COMP3	Qatar	Instrumentation Alloy 625 Fittings, Valve, Air Manifold and Accessories	*2025

Projects Reference – Offshore PJT

OIL & GAS (OFFSHORE)

* Ongoing

Client	EPC	Project	Location	Work Description	Year
Qatar Gas	Saipem/ Solas Marine	NFPS COMP3 CASCADE project Nitrogen Package	Qatar	Instrumentation Tube Fittings Alloy 625 - (\$ 300K)	*2025

Projects Reference – Onshore PJT



Rumaitha/Shanayel restoration consists of (14 wells) to compensate production from high GOR wells (6 OP and 8 WAG). All producer wells are expected to be provided with gas lift. It includes two “Ra/Sn Phase III Batch 2” wells brought forward to year 2018



PROJECT	ADNOC Onshore Rumaitha/Shanayel Facilities – Phase III
CAPACITY	400,000 barrels Oil per day
Type	Onshore Oil Production & Gas Compression
LOCATION	South West of Abu Dhabi city, U.A.E
PERIOD	Oct. 2018 ~ May. 2020
WORK SCOPE	Supplying Instrumentation Coil PVC Tubing

MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
Rumaitha/Shanayel Facilities – Phase III	Petrojet	Instrumentation Coil PVC and straight tubing Material: 316L, Alloy 825	2019

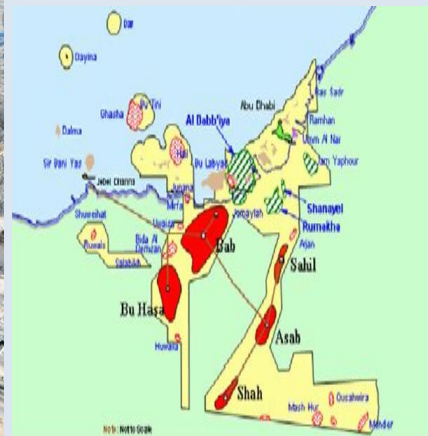
	EPC for Rumaitha/Shanayel Facilities – Phase III	
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Features of the project
<ul style="list-style-type: none"> ✓ 1,770 meters of Alloy 825 straight tubing ✓ 67,000 meters of SS316L PVC Coiled tubing

Projects Reference – Onshore PJT

The Zubair Field is in the southern area of Iraq, 20 km from Basra city. The structure of the Zubair Field is a relatively gentle anticline-oriented NNW - SSE, approximately 60 km long and 10-15 km wide.

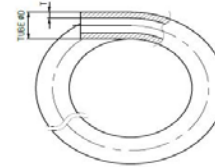


MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
Bab Integrated Facilities Project(BIFP)	CPECC	Instrumentation tubing, Fittings and Valve, Air Manifold Material: SS316/316L, Alloy 825	2019

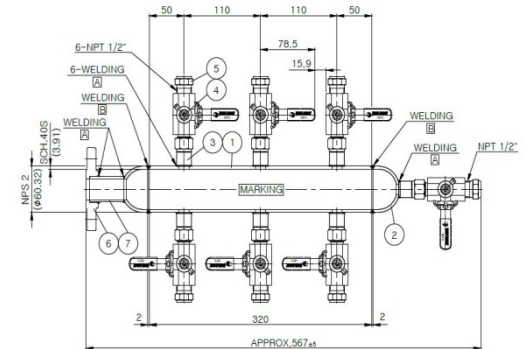


Bab Integrated Facilities Project (BIFP)



* DIMENSION TABLE

ITEM CODE	PART NO.	TUBE ØD	T	MATERIAL
A.154	T1A-085-CD-PVC-L	1 1/4"	0.037"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED
A.155	T1B-085-CD-PVC-L	1 1/2"	0.047"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED
A.156.A	T1B-085-CD-PVC-L	1 1/2"	0.037"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED
A.156	T1C-040-CD-PVC-L	3/4"	0.049"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED
A.157	T1D-085-CD-PVC-L	3/4"	0.048"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED
A.158	T1E-085-CD-PVC-L	3/8"	0.047"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED
A.159	T1E-085-CD-PVC-L	3/8"	0.037"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED
A.160	T1F-050-CD-PVC-L	3/8"	0.037"	ASTM A 213/A 286 TP316/316L, COIL, PVC COATED



PROJECT	ADNOC Onshore Bab Integrated Facilities Project(BIFP)
CAPACITY	450,000 barrels Oil per day
Type	Onshore Oil Production & Gas Compression
LOCATION	Southwest of Abu Dhabi city, U.A.E
PERIOD	Oct. 2017 ~ May. 2020
WORK SCOPE	Supplying Instrumentation Coil Tubing, Straight tubing, fittings and valve.

Features of the project

- ✓ 16,000 meters of Alloy 625 straight tubing
- ✓ 160,000meters of SS316 PVC Coiled tubing
- ✓ Instrumentation Fittings, Valve and J series Air Manifold

Projects Reference – Onshore PJT

The Bab field is located in a desert area, approximately 160 km southwest of Abu Dhabi. The field covers an area of approximately 45 km by 25 km. The main processing facilities are located around Bab Habshan. The field is sour with high H2S content



PROJECT	BOC/ENI Zubair Mishrif Expansion Project
CAPACITY	450,000 barrels Oil per day
Type	Onshore Oil Production
LOCATION	southern area of Iraq
PERIOD	2022 ~ 2025
WORK SCOPE	Supplying Instrumentation Fittings, Valve, T ubing and Air Manifold

MAJOR PROJECTS

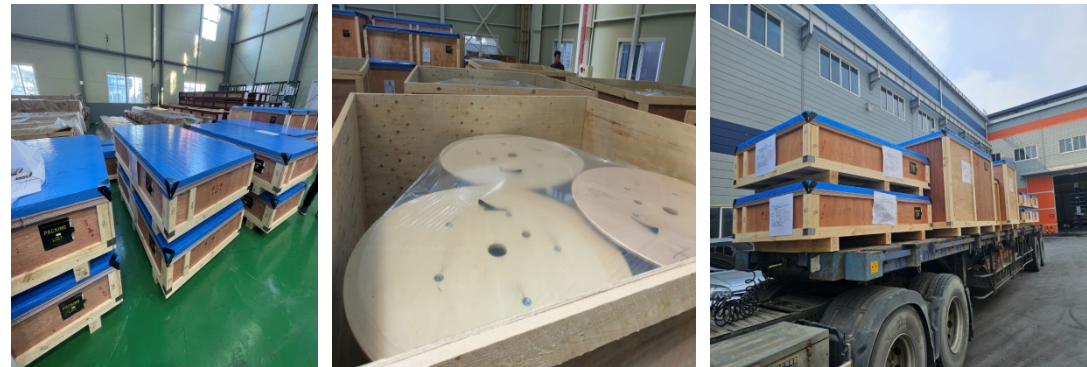
* Ongoing

PROJECT	EPC	SCOPE	COMPLETION
Zubair Mishrif Expansion Project	CPECC/ PEG	Supplying Instrumentation Fittings, Valve, Tubing and Air Manifold	2024.01 – 1 st 2024.03 -2 nd



ENI - IRAQ

ZUBAIR MISHRIF DGS EXPANSION



Features of the project

- ✓ 8,000meters of SS316 Coiled tubing
- ✓ Instrumentation Fittings, Valve and Air Manifold
- ✓ Iraq Embassy Notarization

Projects Reference – Onshore PJT

OIL & GAS (ONSHORE)

Client	EPC	Project	Location	Work Description	Year
ADNOC Onshore	Petrofac	PE-101-11.99.93.1739 / BAB Habshan-1 Development Project (Phase-I)Project	UAE	Supply of Instrument Tube Fittings	2015
ADNOC Onshore	Petrofac	PE102030101 / ADCO- Expansion of BAB Gas Compression Project (Phase 2) / Instruments Fittings	UAE	Supply of Instrument Tube Fittings	2015
ADNOC Onshore	Petronash	RUMAITHA / SHANAYEL FACILITIES - PHASE III	UAE	Supply of Instrument Tube Fittings	2016
ADNOC Onshore	Petronash	SUPPLY OF SOALR WELLHEAD CONTROL PANELS	UAE	Supply of Instrument Tube Fittings	2016
ADNOC Onshore	Petronash	EPC FOR RUMAITHA / SHANAYEL FACILITIES - PHASE III	UAE	Supply of Instrument Tubing	2016
ADNOC Onshore	Tecnimont	EPC for AL DABBI'IYA SURFACE FACILITIES-PHASE III CPP	UAE	CPP for Tubing, Air Manifolds, Pots	2017
ADNOC Onshore	Tecnimont	EPC for AL DABBI'IYA SURFACE FACILITIES-PHASE III CLUSTERS	UAE	CLUSTERS for Tubing	2017
ADNOC Onshore	Fortune Engin.	ADCO 600 control panel project	UAE	Instrumentation Fittings and Metal Flexible hose	2019~2021

Projects Reference – Onshore PJT

OIL & GAS (ONSHORE)

Client	EPC	Project	Location	Work Description	Year
ADNOC Onshore	PETROJET	EPC for Rumaitha/Shanayel Facilities – Phase III	UAE	Supply of Instrument Tubing	2019
ADNOC Onshore	CPECC	Bab Integrated Facilities Project (BIFP)	UAE	Supply of Instrument Tubing	2019
ADNOC Onshore	CPECC	Bab Integrated Facilities Project (BIFP)	UAE	Supply of Instrument Fittings and valve (Alloy 825, Monel, SS316)	2019
ADNOC Onshore	Fortune Engineering & Energy Services LLC	Process Control & Power Upgrade / Replacement at Bab Project	UAE	Supply of Instrument Fittings and Tubing (Hastelloy material)	2019
ADNOC Onshore	AL ASAB	BUHASA CALL OUT PROJECT	UAE	Supply of Instrument Tubing	2020
ADNOC Onshore	AL ASAB	Rumaitha Thamama	UAE	Supply of Instrument Tubing	2020
ADNOC Onshore	Fortune Engineering	EPC for Process Control & Power Upgrade / Replacement at Bab Project	UAE	Instrumentation fittings and Tubing	2020
ADNOC Onshore	CPECC/Extol	Bab Integrated Facilities Project (BIFP)	UAE	Instrumentation Fittings, Valve and Tubing	2020
ADNOC Onshore	CPECC/Extol	Bab Integrated Facilities Project (BIFP)	UAE	Instrumentation Clamp	2020

Projects Reference – Onshore PJT

OIL & GAS (ONSHORE)

Client	EPC	Project	Location	Work Description	Year
ADNOC Onshore	Kent	Far North Full Field Development Project (BFN)	UAE	Supply of Instrument Tubing, Fittings & Valves	2025
ADNOC Onshore	Tecnimont	Hail & Gasha Onshore Project	UAE	Supply of Instrument Tubing	2025

Projects Reference – Onshore PJT

OIL & GAS (ONSHORE)

Client	EPC	Project	Location	Work Description	Year
STATE COMPANY FOR OIL PROJECTS(SCOP)	HDGSK JV	KARBALA REFINERY PROJECT	IRAQ	TUBE & TUBE FITTING, PIPE & PIPE FITTINGS	2018
BOC(BASRA OIL COMPANY)	GPS/Petrofac	Majnoon CPF2 PJT	IRAQ	Instrumentation Fittings, Valve and tubing	2019
PETRONAS Carigali Iraq Holdings BV (PCIHBV)	Extol	EPCC OF OIL GATHERING FACILITIES PHASE 4	IRAQ	Instrumentation Valve Tube Fitting & Flange & Seamless Tube & Seamless Coil Tube	2019-2021
EGPC	ENPPI	Crude oil Tank Farm	Egypt	Instrument Fittings & Valve and tubing	2020
ONGC	TATA PROJECTS LTD	Onshore Terminal for KG DWN 98/2Development Project	India	Instrumentation fittings and Tubing	2020
Sonatrach	PETROFAC	TINHERT FIELD DEVELOPMENT PROJECT	ALGERIA	Instrument Flush ing Ring	2020
Sonatrach	PETROFAC	TINHERT FIELD DEVELOPMENT EPC-1 OHANET	ALGERIA	Instrument Fittings, valves & tubes – SS316 & 6Mo	2020
Sonatrach	PETROFAC JC/Rotork	Provision of 15 treated desalination water injection stations on Hassi Messaoud Fields	ALGERIA	Instrument Fittings	2020
GROUPEMENT ISARENE	PETROFAC	AIN TSILA FIELD DEVELOPMENT	ALGERIA	Instrument Fittings	2021
GROUPEMENT ISARENE	PETROFAC	AIN TSILA FIELD DEVELOPMENT	ALGERIA	Instrument Tubing – 2 nd MTO	2024

Projects Reference – Onshore PJT

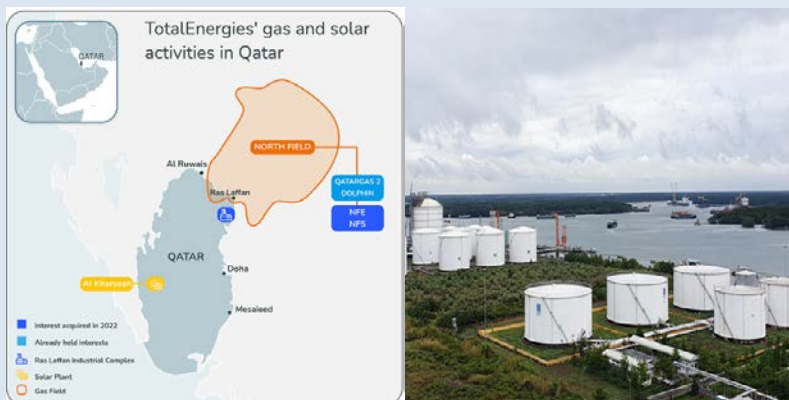
OIL & GAS (ONSHORE)

* Ongoing

Client	EPC	Project	Location	Work Description	Year
Iran Power Development Company (IPDC)	Mapna Boiler & Equipment	Sabalan Power Plant	Iran	Fitting & Valve & Tube & Clamp & Condensate Pot	2020
Petroleum Engineering and Development Company	Oil Design and Construction Company	South Azadegan Oil Field Development Project-Phase 1 Wellhead:Facilities & Flow Lines (North Side)	Iran	Valve & Fitting & Seamless Tube & Nipple	2020
ADNOC Onshore	CPP (China Petroleum Pipeline)	Buhasa Tie in Package 1 Project	UAE	Supply of SS316, Alloy 825 Fittings, valve and Tubing	2022
IOCL	Tecnimont Pvt Ltd	PARADIP -MR-364	India	Instrument Tubing	2021
Reliance	Schlumberger	KGD6 Field Development - MEG Reclamation Facilities Project	Indonesia	Fittings & Valve	2023
BOC/ENI	CPECC/PEG	Zubair Mishrif DGS Facility Expansion Project	IRAQ	Fittings, Valve, Tubing and Air Manifold in SS316/316L	2023
BOC/ENI	CPECC/PEG	Zubair Mishrif DGS Facility Expansion Project – 2 nd Phase	IRAQ	Fittings, Valve, Tubing and Air Manifold in SS316/316L	*2024

Projects Reference – LNG

The engineering, procurement, and construction (EPC) contract is for the expansion of LNG storage and loading facilities located within Ras Laffan Industrial City as part of the \$28.7bn North Field East (NFE) Project, which is being developed as part of the first phase of the North Field expansion project.



PROJECT	North Field Expansion Project EPC-2
CAPACITY	800 mmscfd
Type	LNG Storage and Loading Facility
LOCATION	Ras Laffan, Qatar
PERIOD	2022~
WORK SCOPE	Supplying Monel tubing and fitting

MAJOR PROJECTS

* Ongoing

PROJECT	EPC	SCOPE	COMPLETION
North Field Expansion Project EPC-2	Samsung C&T / TB Global	Supplying SS316, Monel Tube & Tube Fittings	*2023



	QATARGAS OPERATING COMPANY LIMITED
CONTRACTOR	
	SAMSUNG C&T CORPORATION

Features of the project

- ✓ **ASTM B164 UNS N04400 / Monel Tubing and Tube Fittings**
- ✓ **On time delivery**
- ✓ **Full Document Support as per project spec**

Projects Reference – LNG

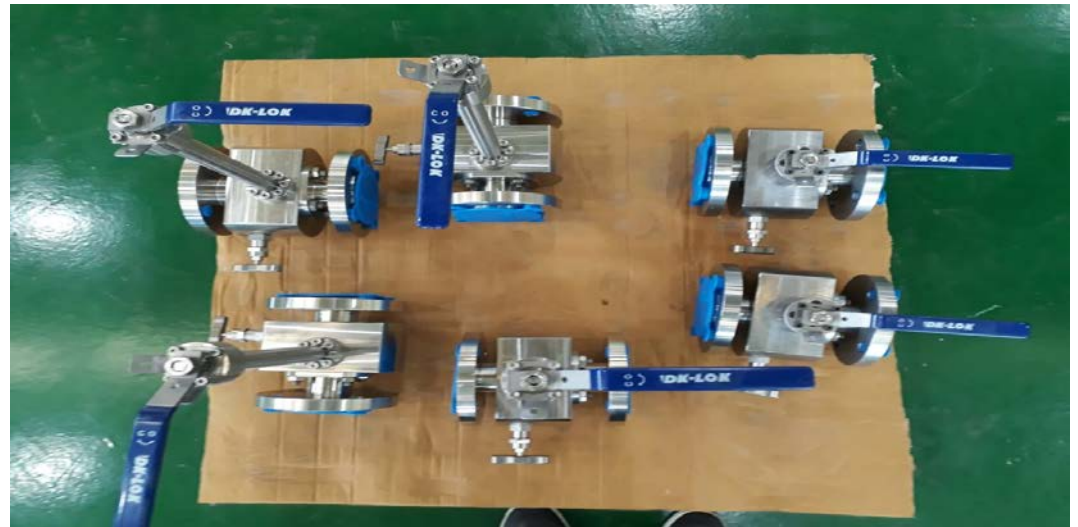
Vysotsk LNG is a 0.66 mmtpa project, which is operated by CryoGAS-Vysotsk, a JV between NOVATEK (51%) and Gazprom bank (49%). The plant is located near Vysotsk, 150 kilometres northwest of Saint Petersburg. The plant offtakes some of the gas from the Saint Petersburg-Vyborg-Finland gas pipeline, which is part of the Unified Gas Supply System (UGSS).



PROJECT	Vysotsk LNG Project (Novatek & Gazprom)
CAPACITY	0.66 mmtpa project
Type	LNG Terminal
LOCATION	North Coast of the Gulf of Finland, near the Port of Vysotsk, Russia
PERIOD	2018
WORK SCOPE	Supplying high & low temperature Double Block and Bleed Valves

MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
Vysotsk LNG Project	OMZ DAELIM	high & low temperature DBB	2018~



Features of the project

- ✓ 2 of the most severe applications by special materials and extended bonnet design
- ✓ -196Deg.C (cryogenic application)
- ✓ +450Deg.C (Very high temperature)

Projects Reference – LNG

LNG

Client	EPC	Project	Location	Work Description	Year
KNPC	HYUNDAI ENG.	KLNG	Kuwait	I&C BULK MATERIAL	2017
Singapore LNG Corporation Pte. Ltd	SAMSUNG C&T	LNG TERMINAL PHASE 3	Singapore	Tube Fittings/ Valves	2016
Gazprom	Linde	Portovaya LNG	Russia	Manufacturing, Testing and Supply of Instrument Fittings and Valves	2018
NOVATEK	Nova	Kriogaz-Vysotsk LNG	Russia	Manufacturing, Testing and Supply of Instrument Fittings and Valves	2018
BAHRAIN LNG	CUEL Limited	Bahrain LNG Import Terminal	Bahrain	TUBE FITTING	2018
Qatar Gas	Samsung C&T TB Global	NFE LNG Storage and Loading Facility	Qatar/Japan	Instrumentation Tube & Tube Fittings SS316 / Monel	2023

Projects Reference – Petrochemical

These include a gas treatment plant with the annual rated capacity of 4.4 billion cubic meters, a gas pretreatment unit and four gas-gathering stations. Around 3,500 contractor workers and 250 employees of LUKOIL's subsidiary, LUKOIL Uzbekistan Operating Company, over 350 pieces of special construction equipment were involved in the active phase of the infrastructure development at the Gissar fields cluster.



PROJECT	LUKOIL Gissar Gas Pretreatment unit and four Gas-Gathering stations
CAPACITY	14 million cubic meters a day
Type	Petrochemical
LOCATION	South-West Gissar, Uzbekistan
PERIOD	2015 ~ 2017
WORK SCOPE	Supplying Instrumentation Double Block and Bleed Valves

MAJOR PROJECTS

* Ongoing

PROJECT	EPC	SCOPE	COMPLETION
LUKOIL Gissar Gas Gas-Gathering stations	ENTER ENG.	Supplying Double Block and bleed Valves	2017

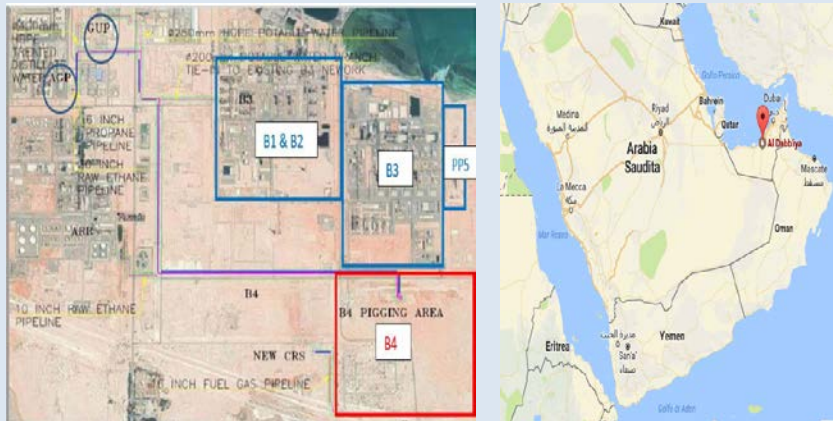


Features of the project

- ✓ $\frac{3}{4}$ "~2" Size, #150~2500
- ✓ 2,500pcs of DBB for one Project
- ✓ The first big project a bridgehead order for DK-Lok DBB

Projects Reference – Petrochemical

Abu Dhabi Polymers Company Ltd., (“Borouge”) is a Joint Venture Company between Abu Dhabi National Oil Company (A DNOC) and Borealis AG (BOREALIS). Borouge is a leading provider of innovative plastics solutions using advanced technologies

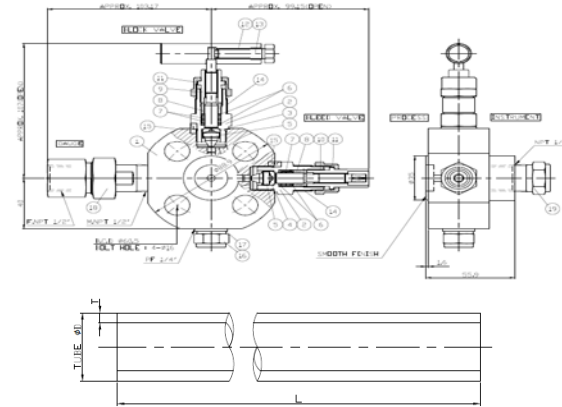


PROJECT	Borouge B4 Project at Ruwais
CAPACITY	Annual capacity 4.5 million tons (high & low-density polyethylene)
Type	Petrochemical
LOCATION	South West of Abu Dhabi, U.A.E
PERIOD	2022 ~ 2030
WORK SCOPE	Supplying Instrumentation Straight Tubing, Fitting, Valve, Manifold, Air Manifold, Monoflange, Seal pot, Sunshade, etc

MAJOR PROJECTS

* Ongoing

PROJECT	EPC	SCOPE	COMPLETION
Borouge B4 Project	Tecnimont	Instrumentation Products	*2024



* DIMENSION TABLE

IDENT CODE	ID/ODITY / DIE	PART NO.	TUBE O.D. #D	T	L [meter]	MATERIAL	QTY [meter]
85678155	T77/L43	TL10M-1.0-EM-MS	10mm	1.0	6	WITH 2.5% MOLYBDENUM, EN16	23,652
85678157	T77/L43	TL12M-1.0-EM-MS	12mm	1.0	6	WITH 2.5% MOLYBDENUM, EN16	1,985
85630721	T77/L43	TL20M-1.0-EM-MS	20mm	1.0	6	WITH 2.5% MOLYBDENUM, EN16	42
85678156	T77/L43	TL10M-1.5-EM-MS	10mm	1.5	6	WITH 2.5% MOLYBDENUM, EN16	7,680
85678158	T77/L43	TL10M-1.5-EM-MS	10mm	1.5	6	WITH 2.5% MOLYBDENUM, EN16	882

Features of the project

- ✓ 40,000 meters of 2.5% Moly SS316 straight tubing
- ✓ 1,000pcs of Monoflange / 2,000pcs of Manifold
- ✓ Preferred vendor of Tecnimont EPC company
- ✓ Project spec discussion(A450 -> A213)

Projects Reference – Petrochemical

Petrochemical

Client	EPC	Project	Location	Work Description	Year
KNPC	DAELIM INDUSTRIAL	SHFP (SRIP)	KUWAIT	INSTRUMENT TUBE	2017
KNPC	HYUNDAI ENG.	KLNG	KUWAIT	I&C BULK MATERIAL	2017
LOTTE CHEMICAL	HYUNDAI ENG.	HC 2 PJT	KOREA	TUBE & TUBE FITTING PIPE & PIPE FITTING	2018
MALAYSIAN REFINERY COMPANY SDN.BHD	HYUNDAI ENG.	MELAKA	MALAYSIA	PRE INSULATION TUBE, INSTRUMENT HOOK UP VALVE	2018
PT. PLN (PERSERO)	HYUNDAI ENG.	KALSELTANG 2 CFSPP (2X100 MW)	INDONESIA	I&C BULK MATERIAL	2018
Gulf Coast Growth Venture LLC	Chiyoda International Corporation	New Chemical Complex	U.S.A	Coiled Tubing	2019
Lukoil	BEK LLC	LUKOIL Gissar Gas Pretreatment unit and four Gas-Gathering stations	Uzbekistan	Instrumentation fitting, Valve and tubing	2017
Lukoil	Investment Affairs L.P	LUKOIL Gissar Gas Pretreatment unit and four Gas-Gathering stations (Shortage)	Uzbekistan	Monoflange	2019
Lukoil	LEWA	Rakushechnoe	UAE	Instrumentation Valve and DBB	2019

Projects Reference – Petrochemical

Petrochemical

Client	EPC	Project	Location	Work Description	Year
PETRONAS Carigali Iraq Holdings BV (PCIHBV)	Extol	EPCC OF OIL GATHERING FACILITIES PHASE 4	IRAQ	Instrumentation Fittings	2019
JG SUMMIT PETROCHEMICAL CO.	JGC Philippines, INC Tecnimont Philippines	JG SUMMIT PKG1	PHILIPPINES	TUBE & TUBE FITTING	2019
Kuraray Advanced Chemicals (Thailand) Co., Ltd.	JGC Holdings Corporation	SYNTHETIC-RESIN PRODUCTION PLANT PROJECT(HARMONY)	Thailand	Instrumentation Air Distribution Block and Fittings	2020
OCI CLEAN AMMONIA LLC	Tecnimont	3000 MTPD Synloop Ammonia Plant with OSBL Utilities Project Beaumont Texas - USA	USA	SS, COMPRESSION FITTINGS, TUBING & POTS and accessories	2023
SOCAR	Tecnimont	TK02 REF Baku 2 (AZ) EPC Socar	Azerbaijan	SS Condensate Pot	*2024
REPSOL	Tecnimont	ALBA Project	Portugal	SS, COMPRESSION FITTINGS & Accessories	*2024
Borouge	Tecnimont	Borouge 4 Project in RUWAIS - U.A.E.	UAE	Supply of Instrument Fitting, Valve, Tubing, Manifold, Monoflange	*2024

Projects Reference – Refinery

The Nigerian government approved £1.08bn (\$1.5bn) spending to rehabilitate and upgrade the Port Harcourt refinery complex in March 2021. The key contract for the refinery modernisation was also awarded in the same month.

The Port Harcourt refinery rehabilitation project, being undertaken in three phases, is expected to be completed by 2025. NNPC aims to restore the Port Harcourt refinery complex to 90% of its design capacity by the end of 2022.

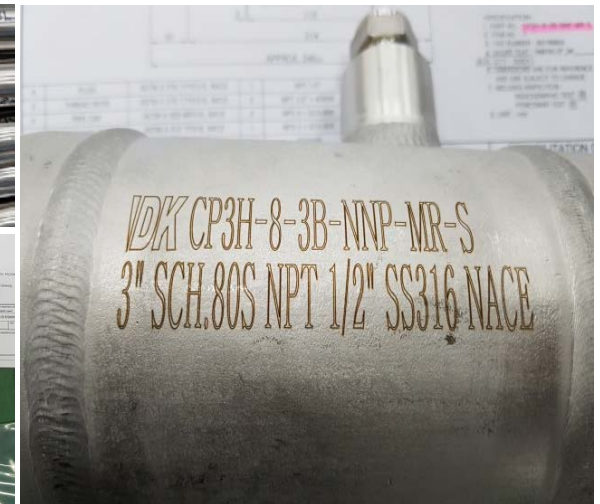


PROJECT	REHABILITATION OF PORT HARCOURT REFINERY PROJECT-MR KK364/366
CAPACITY	210,000 barrels per day
Type	Petrochemical
LOCATION	PortHarcourt, Nigeria
PERIOD	2021 ~ 2024
WORK SCOPE	Supplying Instrumentation Tubing, Fittings, Syphon

MAJOR PROJECTS

* Ongoing

PROJECT	EPC	SCOPE	COMPLETION
REHABILITATION OF PORT HARCOURT REFINERY PROJECT-MR KK364/366	Tecnimont	Supplying Tubing, Fittings, Manifolds	*2024



Features of the project

- ✓ EU & USA Export Control Section complied
- ✓ SONCAP Certi requirement complied

Projects Reference – Refinery

Client	EPC	Project	Location	Work Description	Year
OMAN OIL COMPANY	HYUNDAI ENG.	MGP	OMAN	I&C BULK MATERIAL	2012~2014
PDVSA	HYUNDAI E&C	RPLC DEEP CONVERSION	VENEZUELA	I&C BULK MATERIAL	2013~2018
TURKMENBASHI OIL PROCESSING COMPLEX	HYUNDAI ENG.	TORE	TURKMENISTAN	I&C BULK MATERIAL	2013~2014
SOCAR	TR	ARP (Aegean Refinery project)	TURKEY	I&C BULK MATERIAL	2016~2018
S-OIL	DAELIM INDU.	SUPER PKG-1	KOREA	I&C BULK MATERIAL	2017
SK ENERGY	SK E&C	No.1 FCC DEBOTTLENECKING	KOREA	TUBE PIPING	2017
PETRONAS	TOYO ENG.	RAPID	MALAYSIA	CONDENSATE POT	2017
STATE COMPANY FOR OIL PROJECTS(SCOP)	HDGSK JV	KARBALA REFINERY	IRAQ	TUBE & TUBE FITTING PIPE & PIPE FITTINGS	2018~
MALAYSIAN REFINERY COMPANY SDN.BHD	HYUNDAI ENG.	MELAKA	MALAYSIA	PRE INSULATION TUBE, INSTRUMENT HOOK UP VALVE	2018~
SPDC (SHELL PETROLEUM DEVELOPMENT COMPANY)	DAEWOO E&C	GBARAN PHASE 3A ENWHE PROJECT	NIGERIA	PIPE FITTINGS	2019
Gazprom Neft	Saipem	Moscow Refinery	Russia	SS316 TUBE & TUBE FITTINGS, VAVLES	2022
PORT HARCOURT REFINING COMPANY LIMITED	Tecnimont	REHABILITATION OF PORT HARCOURT REFINERYPROJECT-MR KK364/366	Nigeria	Instrumentation Tubing , Condensate Pot, Syphon Tube	*2024

Projects Reference – Shipbuilding

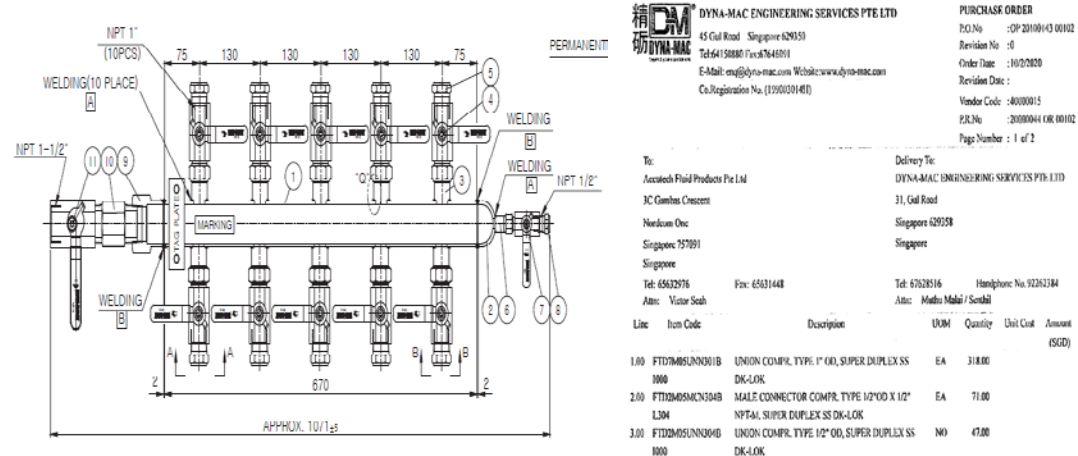
The Liza Destiny is the first oil production vessel, called an FPSO for floating, production, storage and offloading vessel, to arrive off the coast of Guyana. The vessel will begin producing oil from the deepwater wells in early 2020.



PROJECT	LIZA II Unity
CAPACITY	220,000 per day of oil 400 million cubic feet per day of natural gas
Type	Third Party Logistic Project
LOCATION	Singapore, Brazil
PERIOD	2021~
WORK SCOPE	Supplying Air Distribution Manifolds

MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
LIZA II Unity FPSO	SBM Offshore	Supplying Air Distribution Manifolds	2021~



Features of the project

- ✓ At LIZA I Destiny FPSO project, DK-Lok was partially used. At LIZA II Unity FPSO, DK-Lok Air distribution manifolds as well as DK-Lok Ball valves was approved for the supply.
- ✓ On Time delivery to meet the schedule management of client.

Projects Reference – Shipbuilding

Shipbuilding

Client	EPC	Project	Location	Work Description	Year
ExxonMobil / SBM Offshore	Keppel Shipyard/ Dynamic Engineering	LIZA I Destiny FPSO	Singapore	DK-Lok Air Distribution Manifold, duplex & 316 Tube Fittings	2018
ExxonMobil / SBM Offshore	Dynamic Engineering	LIZA II Unity FPSO	Singapore	Air distribution manifolds, Super Duplex pipe fittings & Tube fittings	2021
Sembcorp Marine Integrated Yard	Sembcorp Marine	Frame Agreement (2years 2019-2021)	Singapore	DIN Fittings & BITE, PIPE Fittings	2019
Transocean		Espando III Drillship	Singapore	DK-Lok 316 Tube Fittings	2019
Petrobras		P68 FPSO	Singapore	DK-Lok 316 Tube Fittings	2019
		P71 FPSO	Singapore	DK-Lok 316 Tube Fittings / Process Ball Valve	2019
CNOOC	Petroo	Wellhead Control Panels	Singapore	DK-Lok 316 Tube Fittings	2019

Projects Reference – Shipbuilding

Shipbuilding

Client	EPC	Project	Location	Work Description	Year
Noble	HHI	2505~2508 Drill Ship	Korea	DIN Fittings & BITE, PIPE Fittings	2012
Fred Olsen	HHI	2546 Drill Ship	Korea	DIN Fittings & BITE, PIPE Fittings	2012
Diamond	HHI	2503~2504,2512,2622 Drill Ship	Korea	DIN Fittings & BITE, PIPE Fittings	2012
Rowan	HHI	2559~2560,2563~2564 Drill Ship	Korea	DIN Fittings & BITE, PIPE Fittings	2012
Petronas	SACANA	6302 FLNG	Korea	Instrument Tube Fittings & Mono Flanges	2013
Scana Korea	Petronas	FLNG	Korea	TWO FERRULE FITTING & MONO	2013
EMESON PROCESS KOREA	Petronas	FLNG	Korea	FLANGE (ANSI 100A, 150A)	2013
Fred Olsen	HHI	2620 Drill Ship	Korea	DK-Lok Pipe Fittings	2014
ENI	HHI	FPU	Korea	Instrument Tube Fittings & Mono Flanges	2016
KOSSCO(DS ME)	TCO	DRILLSHIP	Korea	PIPE, FLANGE	2016

Projects Reference – CNG&NGV

We have supplied DK-Lok products to install in more than 1,000 long tube trailers of TPL Project (Third Party Logistics Project) of PTT PLC.



PROJECT	PTTPLC TPL Project
CAPACITY	1,000 long tube trailers
Type	Third Party Logistic Project
LOCATION	Thailand
PERIOD	2009~
WORK SCOPE	Supplying Tubing and Fittings

MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
PTTPLC TPL Project	PTTPLC	Supplying Instrument Tube fittings and Valves	2018~



Features of the project

- ✓ We have supplied DK-Lok products to install in more than 100,000 of NGV passenger cars (Toyota, Nissan, Mitsubishi), vans (Toyota), buses and trucks for the past 10 years and there is no quality issue.

Projects Reference – CNG

Development of Mustakillikning 25 Yilligi field, with the construction of a gas processing plant and all the required infrastructure facilities in order to ensure the production, treatment and processing of high-sulfur natural gas in the amount of 5.0 billion cubic meters per year,



PROJECT	Enter Engineering Group BOYSUN Project
CAPACITY	4.4 billion cubic meters per year
Type	Gas processing plant
LOCATION	Uzbekistan
PERIOD	2023~2024
WORK SCOPE	DBB Alloy 625, A182 & A105 3", 2", 1" Class600, Class 1500

MAJOR PROJECTS

* Ongoing

PROJECT	EPC	SCOPE	COMPLETION
BOYSUN Project	Novo construction equipemt FZE	DBB Alloy 625, A182 & A105 3", 2", 1" CL 600, 1500	2023~



Features of the project

- ✓ 1", 2", 3" Size Class 600, 1500 , DBB / A182, A105 & Alloy 625
- ✓ Total Qty is 550pcs, Total PO Value is \$7.7M – 1st PO
- ✓ Second PO is awaited

Projects Reference – CNG&NGV

CNG/NGV

Client	EPC	Project	Location	Work Description	Year
PTT	S.Siriseang Co., Ltd	16 Mobile Gas Trailer Project	Thailand	Instrumentation Pipe & Weld Fittings	2008~
	Super Central gas	NGV conversion kit	Thailand	DK-Lok Tube Fittings/ Instrumentation Pipe & Weld Fittings	2008~
	Polytechnology Co., Ltd.	NGV 8 & NGV 3 / Private Station / Dispenser, Compressor	Thailand	DK-Lok Tube Fittings/ Instrumentation Pipe & Weld Fittings	2008~
PTT / ENRIC	Venus Gas	Long tube trailer	Thailand	DK-Lok Tube Fittings/ Instrumentation Pipe & Weld Fittings	2009~
Mitsubishi	Super Central gas	Car model : Cedia and Titon	Thailand	DK-Lok Tube Fittings	2009~
Toyota	Scan Inter	Car model : Toyota Altis and Vigo	Thailand	DK-Lok Tube Fittings	2009~
NOC	IMW Industries Ltd.	CNG Compressor, Dispenser / Exclusive supply contract	Pakistan/ Thailand/ Columbia/ China	DK-Lok Tube Fittings/ Valves	2012~
CNPC	ENRIC	CNG TRAILER	China	CNG Ball Valves	2009~
Petronas Gas	Vantage Steel Works Sdn Bhd.	CNG station	Malaysia	DK-Lok Tube Fittings/ Valves	2009~

Projects Reference – Rolling Stock

The Riyadh Metro is a rapid transit system under construction in the city of Riyadh, the capital of Saudi Arabia. It will consist of six metro lines spanning a total length of 176 kilometers, with 85 stations. The project will cost \$22.5 billion to build. It is scheduled for a light opening in 2019, and the full network is expected to be fully operational in 2021.



PROJECT	Riyadh Metro Project
CAPACITY	9 Stations / 29.5 Kilometers
Type	Water Mist Line
LOCATION	City of Riyadh
PERIOD	2018~
WORK SCOPE	Supplying Tubing and Fittings

MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
Riyadh Metro Project	Samsung C&T	Supplying Instrument Tube and Fittings	2018~



Features of the project

- ✓ **Double Ferrule Fitting connection up to 2"**
- ✓ **Tunnel Water Mist Line**
- ✓ **20,000 meters of SS316 tubing up to 2" and 15,000pcs of Fittings already supplied and more to be supplied on a current construction**

Projects Reference – Rolling Stock

Rolling Stock

Client	EPC	Project	Location	Work Description	Year
HYUNDAI Rotem	Direct	Manila Metro Rail Transit System Line 7	Philippines	Supply of Instrument Tube Fittings	2017
	Direct	Korail East Line	Korea	Supply of Instrument Tube Fittings	2018
	Direct	India MEGA India MEGA	India	Supply of Instrument Tube Fittings	2018
SAMSUNG C&T	FAST	RIYADH METRO	SAUDI ARABIA	TUBE & TUBE FITTING	2018~
DMRCL	BEML	DMRC RS 13 Project -96 Cars	India	DIN Fittings for Rolling stock(Railway)	2016
KMRCL	BEML	RS3 KMRCL, BMRCL – 100 Cars	India	DIN Fittings for Rolling stock(Railway)	2018

Projects Reference – Semiconductor

Semiconductor

Client	EPC	Project	Location	Work Description	Year
SK Hynix	LINDE	Hwaseong	S. Korea	Tube & Pipe Fittings	2018
SK Hynix	SK Hynix	Utility product approval	S. Korea	Diaphragm Valves	2018
SK Hynix	Hanyang ENG	Hwaseong LINDE	S. Korea	Tube & Pipe Fittings	2019
SK Hynix	Hanyang ENG	Pyeongtaek APK, PKC	S. Korea	Fittings & Valves	2019
SK Hynix	KC	Semiconductor equipment	S. Korea	Fittings & Valves	2019
SK Hynix	PAI KWANG INDUSTRIAL	HCL Manufacturing PJT	S. Korea	Fittings (Hastelloy C-276)	2019~2020
SK Hynix	Hanyang ENG	Supply Vendor Registration	S. Korea	Fittings & Valves	2019
SK Hynix	SK Hynix	M16 PJT supply (annual supply contract signed)	S. Korea	Diaphragm Valves	2019~2020
Versum Materials	Versum Materials	Supply Vendor Registration	S. Korea	Fittings & Valves	2020
SK Hynix	MATHESON	Supply Vendor Registration	S. Korea	Fittings & Valves	2020
SK Hynix	WONIK MATERIALS	Supply Vendor Registration	S. Korea	Diaphragm Valves	2020

Projects Reference – Power Plant

On the waters of the Rufiji river, in joint venture with The Arab Contractors of Egypt (Osman A. Osman & Co.), ELSEWEDY ELECTRIC is entrusted by the people and government of Tanzania to execute, The Julius Nyerere Hydropower Project. This national mega project that would secure clean power supply to more than 60 million Tanzanians.



PROJECT	Julius Nyerere Hydropower Project
CAPACITY	34,000,000,000 m ³ (1.2×10 ¹² cu ft)
Type	Hydropower
LOCATION	Morogoro Region, Tanzania
PERIOD	2018~
WORK SCOPE	Supplying Tubing and Fittings

MAJOR PROJECTS

PROJECT	EPC	SCOPE	COMPLETION
Julius Nyerere Hydropower Project	JV (TANESCO)	Supplying Instrument Tube and Fittings & Valve	2022



Features of the project

- ✓ **The Arab Contractors and Elsewedy Electric – Joint Venture**
- ✓ **TANESCO - Tanzania Electric Supply Company Limited**
- ✓ **500 Meter of SS316 straight tubing and SS316 Fittings and Valve are supplied.**

Projects Reference – Power Plant

Power Plant

Client	EPC	Project	Location	Work Description	Year
LOUC (LUKOIL UZBEKISTAN OPERATING COMPANY)	ENTER ENG.	BKAN	UZBEKISTAN	SBB & DBB VALVE	2017~
UZNEFTEGAZ LUKOIL		E-KAN	UZBEKISTAN	WATER FILTER, DBB, VALVES, SAMPLING DEVICE, MONO FLANGE, PIPE & PIPE FITTING	2018
LOTTE CHEMICAL	GS E&C	3NE PJT	KOREA	TUBE & TUBE FITTING	2018
OLTINYOL GTL	HYUNDAI E&C	UZGTL	UZBEKISTAN	ENCLOSURE BOX FLEXIBLE GAUGEPAK	2017~
LOTTE CHEMICAL		HC 2 PJT	KOREA	TUBE & TUBE FITTING PIPE & PIPE FITTING	2018
LOUC (LUKOIL UZBEKISTAN OPERATING COMPANY)		EARLY KANDYM	UZBEKISTAN	INSTRUMENT PIPE & INSTRUMENT SUPPORT	2014
PETRONAS		GTPOGT	TURKMENIST AN	INSTRUMENT SUPPORT	2014
LOUC (LUKOIL UZBEKISTAN OPERATING COMPANY)		MAIN KANDYM	UZBEKISTAN	INSTRUMENT PIPE & INSTRUMENT PIPE FITTING & INSTRUMENT SUPPORT	2015~
UZNEFTEGAZ		NEFTEGAZINVEST	SHURTAN	UZBEKISTAN	MANIFOLD ASS'Y & PIPE

Projects Reference – Power Plant

Power Plant

Client	EPC	Project	Location	Work Description	Year
Shamara Holding Group Ltd. (SHG)	Mapna boiler and equipment	Rumaila Project	Iraq	Instrument Fitting, Valve, Tubing, Condensate Pot, Pipe, and Accessories	2024

Supply Reference for High Pressure Fittings & Valves

Client	EPC	Project	Location	Work Description	Year
Beijing Valcon	N/A	Regular Orders	China	High pressure Fittings & Valve	~2025
TechnipFMC	N/A	Annual Contract	Singapore & Saudi Arabia	High pressure Fittings & Valve	~2025
AL TAIYEBAT	N/A	Regular Orders	Kuwait	High pressure Fittings & Valve	~2025

DK-LOK

DK-LOK

Q & A

