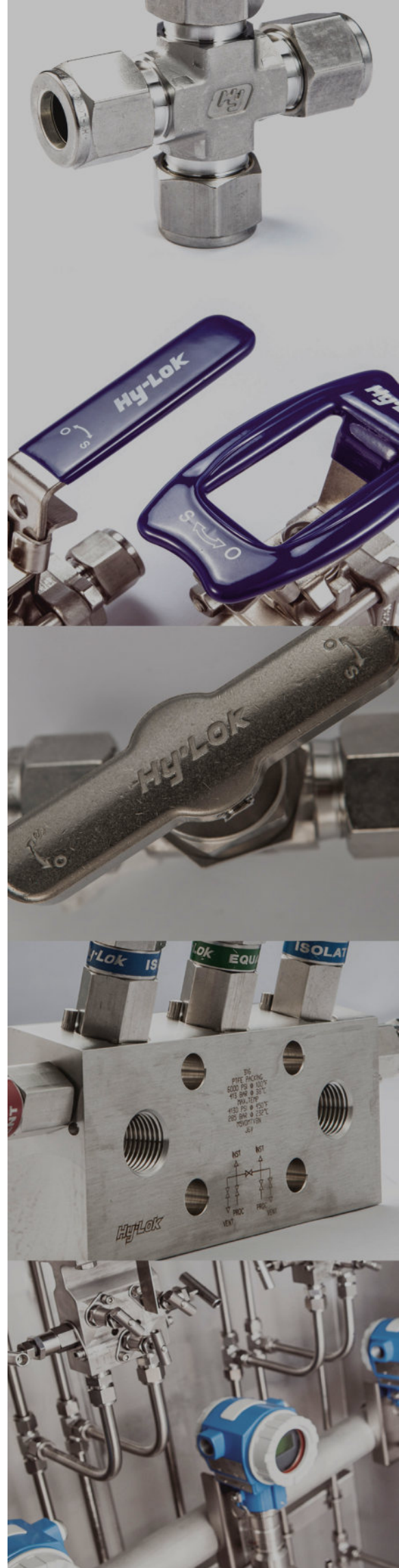




Hy-Lok

Pre Qualification

for Instrument Fittings & Valves



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1. COMPANY PROFILES

Hy-Lok is a world leader in valves and known for more than 40 years of experience in fast track delivery, special materials and special design.

With engineering, production, assembling and testing under one roof, we manufacture instrument fittings & valves you urgently need in a very limited time frame.

Our fittings & valves are produced from special materials such as Super Duplex, Titanium and Nickel Alloys - suitable for extraordinary applications - and special valves in standard materials like stainless or carbon steels.

With our highest level of flexibility, in-house production, technical know-how and dedicated staff, we look forward to be your perfect business partner in instrument fittings and valves

Your Perfect
Business Partner

1. COMPANY PROFILES

COMPANY STATUS

AT A GLANCE

- Country - South Korea
- Established - 28th July 1977
- Turnover - USD 170 Mil (Year 2016)



Headquarters

Location	Busan, South Korea
Facilities Area	23,888 m ²
Working Scope	Fittings & Valves
Employees	505

Painting Shop

Location	Busan, South Korea
Facilities Area	3,276 m ²
Working Scope	Valve Painting
Employees	11



Sinpyeong Factory

Location	Busan, South Korea
Facilities Area	11,150 m ²
Working Scope	Fittings & Valves, Package System
Employees	65

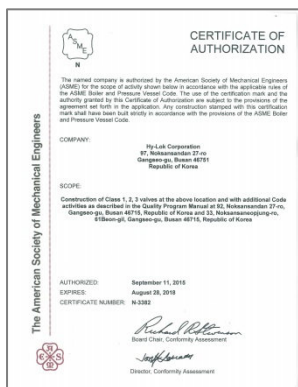
Hy-Lok Forging

Location	Gimhae, South Korea
Facilities Area	4,067 m ²
Working Scope	Fitting & Valve Forging
Employees	22

1. COMPANY PROFILES

QUALITY & CERTIFICATES

It has always been clear to the management of Hy-Lok that quality cannot be an issue in the served industries. It is simply our philosophy. All our employees are well educated and trained and fully aware of the fact that our products have to be of the highest level and quality which cannot be composed in any way. Dedicated in manufacturing the best valves. This is endorsed by the following certifications of our quality management system.



1. COMPANY PROFILES

HISTORY

Great Distance of Inauguration

1977 - Established Hyupdong Metal

Expansion & Exploitation

1991 - Acquired ASME Certificates

1996 - Acquired ISO 9001 Certificate

1998 - Established R&D Center
- Established Hy-Lok USA

New Challenge

2000 - Changed Company Name from 'Hyupdong Metal' to 'Hy-Lok Corporation'
- Acquired API 6D Certificate

2001 - Established Hy-Lok Singapore

2002 - Acquired CE Mark
- Approved Vendor by Bechtel

2004 - Acquired ISO 14001 & OHSAS 18001 Certificates
- Approved Vendor by Saudi Aramco

2007 - Established Hy-Lok Canada
- Established Hy-Lok Nigeria

Hy-Lok World

2013 - Acquired API 6A Certificate
- Approved Vendor by ENI Saipem

2014 - Established Hy-Lok Middle East (Branch Office)

2015 - Acquired API 6DSS Certificate
- Approved Vendor by ExxonMobil
- Approved Vendor by Emerson

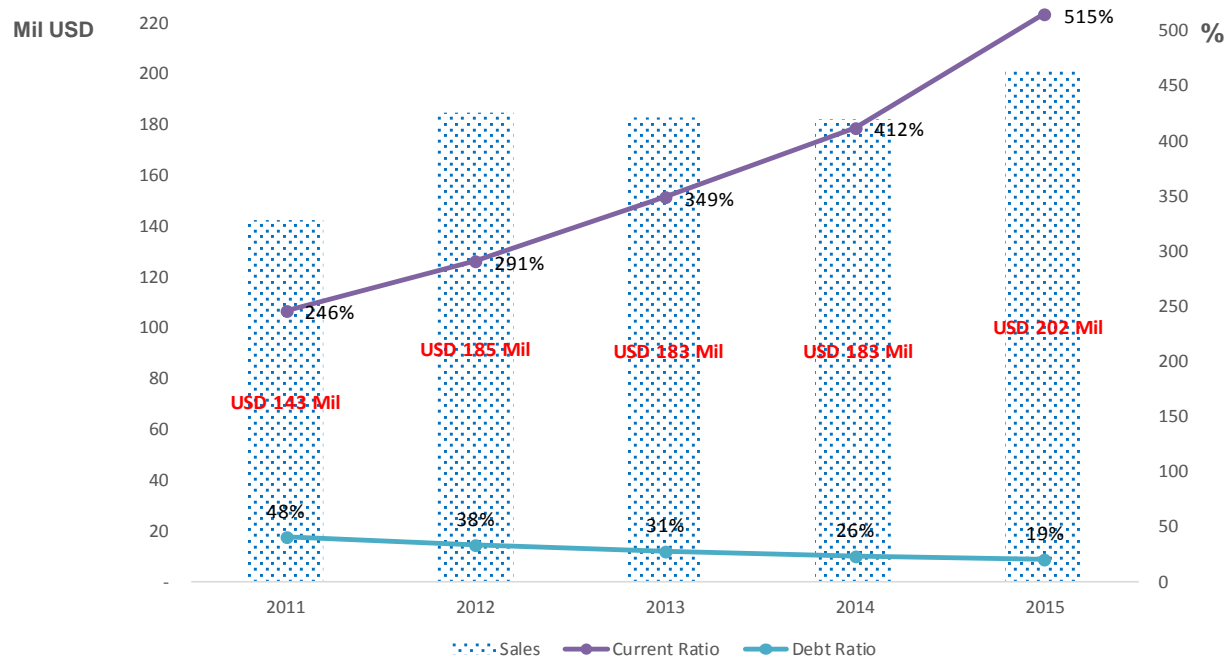
2016 - Awarded NASR Field Development Phase II PKG-2 by ADMA OPCO

1. COMPANY PROFILES

FINANCIAL REPORT

Unit : USD

Account	Year 2011	Year 2012	Year 2013	Year 2014	Year 2015
Current Assets	140,434,231	161,743,878	187,559,996	207,178,435	226,235,005
Quick Assets	76,897,609	104,286,829	139,167,563	146,178,854	164,478,508
Inventories	63,536,621	57,457,049	48,392,434	58,820,270	60,977,980
Non-Current Assets	79,553,070	82,673,486	83,789,664	91,113,931	101,764,866
Investments	6,681,108	6,844,103	10,916,510	13,283,026	15,187,960
Tangible Assets	67,217,956	68,933,917	65,818,203	69,188,205	78,440,024
Intangible Assets	5,280,213	6,355,066	6,517,551	6,716,116	6,440,553
Total Assets	219,987,300	244,417,364	271,349,660	298,292,366	327,999,871
Current Liabilities	57,101,316	55,581,023	53,712,609	50,272,143	43,903,267
Non-Current Liabilities	6,235,187	5,514,458	5,080,903	5,811,192	5,213,818
Total Liabilities	63,336,502	61,095,481	58,793,513	56,083,335	49,117,086
Capital	6,806,616	6,806,616	6,806,616	6,806,616	6,806,616
Accumulated Other Comprehensive Income	-	-	-	-	-
Retained Earnings	126,000,584	152,671,669	181,905,934	211,558,818	248,232,571
Total Shareholder's Equity	132,807,200	159,478,285	188,712,550	218,365,434	255,039,187
Current Ratio	246%	291%	349%	412%	515%
Debt Ratio	48%	38%	31%	26%	19%
Sales	142,760,601	184,830,916	183,099,501	182,801,444	201,999,326
Operating Profit	29,347,973	40,406,885	42,375,016	45,918,509	53,374,391
Net Income	23,521,548	28,407,856	32,875,544	35,570,036	43,113,145



1. COMPANY PROFILES

SUB-VENDOR LIST

Scope	Manufacturer	Country	Tel.	Fax.
Raw Material	Special Metals Corp.	Singapore	+65-65323823	+65 65323621
	Allegheny Technologies	USA	+82-51-805-5520	+82-51-806-1238
	Yamashin Steel Co., Ltd.	Japan	+81-6-6763-1395	+81-6-6763-3197
	Hi-Tech Special Steel	U.K	+44-1909-564-545	+44-1909-550-682
	Sandvik Materials Technology	Canada	+82-51-603-3161	+82-51-603-3169
	SeAH Changwon Integrated Special Steel co., Ltd.	Korea	+82-2-3469-6665	+82-2-3469-6888
	SeAH Besteel	Korea	+82-2-6970-2000	+82-2-6790-2181
	Hyundai Steel co., Ltd.	Korea	+82-54-271-1114	+82-54-271-1241
	Poongsan Corporation	Korea	+82-51-319-1278	+82-51-319-1280
	DAE CHANG IND. CO., LTD	Korea	+82-51-313-2100	+82-51-313-3214
	BGH Edelstahl Siegen GmbH	Germany	+49-271-7010	+49-271-701-300
	Valbruna	Italy	+39 0444 968296	+39 0444 962026
	HEXA STAINLESS STEEL	Korea	+82-31-323-1871	+82-31-323-1872
	PJMETEK Ind Co., Ltd.	Korea	+82-31-863-2140	+82-31-863-2143
	Daechang Co., Ltd.	Korea	+82-31-496-3133	+82-31-499-2531
	Outokumpu	Korea	+82-55-379-2100	+82-55-379-2130
	DAIDO SPECIAL STEEL	Japan	+81-3-5495-7239	+81-3-5495-1853
	VDM Metals GmbH	Germany	+49 2392-55-0	+49 2392-55-2217
	NIPPON STEEL & SUMITOMO METAL CORPORATION	Japan	+81-3-6867-4111	+81-3-6867-5607
	S-Tech Corporation	Taiwan	+886-6-6235143	+886-6-6230011
Sanyo Special Steel Co., LTD.	Japan	+81-79-235-6003	+81-79-234-8571	
BOHLER Bleche GmbH & Co KG	Austria	+43-3852-555-200	+43-3852-555-203	
Forging	Abbey Forged Products	UK	+44 0 114 231 8804	+44 0 114 232 4983
	Hy-Lok Forging Corp.	Korea	+82-55-343-1520	+82-55-343-1540
	Hyun Jin Material	Korea	+82-55-379-2100	+82-55-379-2130
	Sae Won Metal Co., Ltd.	Korea	+82-55-338-6448	+82-55-338-6448
	Cheong Un Corp.	Korea	+82-55-587-8982	+82-55-587-8983
	Felix Tech	Korea	+82-51-796-7830	+82-51-796-7898
	Wonil F&T CO.,LTD	Korea	+82-55-346-0680	+82-55-346-4832
Casting	Korea Steel Power Co.Ltd	Korea	+82-55-338-4920	+82-55-338-4924
	MCM Co.	Korea	+82-51-832-0505	+82-51-832-0507
	Juwon Special Metal Co.	Korea	+82-55-551-9191	+82-55-551-9190
	DS Castec Co.	Korea	+82-55-322-1174	+82-55-322-1106
Bolt & Nut	Samjeon Metals Co. Ltd.	Korea	+82-51-305-6446	+82-51-305-6448
	Hwashin Bolt	Korea	+82-51-264-2522	+82-51-264-2527
	Hwasung Fasteners	Korea	+82-55-366-3456	+82-55-366-3459
Seat & Packing	NICHIAS Corporation (Seat)	Japan	+82-51-316-6851	+82-51-316-6852
	QUADRANT (Seat)	Belgium	+82-51-314-1748	+82-51-314-1742
	Graftech (Packing)	USA	+82-51-316-6300	+82-51-314-7171
	Trelleborg (Seat)	U.K	+82-02-402-2770	+82-02-402-2771
	Precision Polymer Engineering (O-Ring ,Lip Seal)	U.K	+82-02-402-2770	+82-02-402-2771
	James Walker (O-Ring, Lip Seal)	U.K	+82-2-860-5770	+82-02-860-5771
	Dupont Kalrez (O-Ring)	USA	+82-2-2676-9192	+82-2-2671-4369
	GREENE TWEED (CHEMRAZ O-Ring)	USA	+82-02-402-2770	+82-02-402-2771
	Jeil E&S Co.,LTD. (Gasket)	Korea	+82-55-370-0831	+82-55-383-0853
Fluorocarbon Company Ltd, (Lip Seal)	USA	+82-02-402-2770	+82-02-402-2771	
Spring	Optimum Spring Solutions	USA	+1-970-795-4890	+1-910-795-0008
	Key Bellevilles, Inc.	USA	+1-724-295-5111	+1-724-295-2570
Gear Box	Sambo Industry	Korea	+82-51-316-2881	+82-51-316-2880
Painting	Sammi Industry	Korea	+82-51-323-9350	+82-51-323-3245
	YL Ind. Co., Ltd.	Korea	+82-51-821-4510	+82-51-831-4539

1. COMPANY PROFILES

WORLDWIDE SERVICE NETWORK

	Country	City	Agency	Tel.	E-mail
Europe	Netherlands	Hoogeveen	Hy-Lok Europe BV	+31 528 23 4084	sales@hy-lok.nl
		Tholen	Bergen Stainless & Steel Products BV	+31 66 60 57 51	bsp@bsp.nl
		Wijchen	Handelsonderneming PD BV	+31 24 3565688	info@pdhandel.nl
	Belgium	Rixensart	Cameco NV SA	+32 2 652 1730	Jacques@cameco.be
	Czech	Most	HACO Merici a Regulacni Technika S.R.O	+420 476 700 509	info@hacomt.cz
	Denmark	Taastrup	PG Flowteknik	+45 7384 1230	info@pgflowteknik.dk
	Finland	Espoo	AVS-YHTIOT OY	+358 9613 316	info@avs-yhtiot.fi
	France	Argenteuil	DEFA S. A.	+33 1 3025 9420	contact@defa.fr
	Germany	Oyten	Hy-Lok D	+49 420 769 940	info@hy-lok.de
		Bremen	Hansa-Flex Hydraulic GmbH.	+49 421 489 070	info@hansa-flex.com
	Italy	Milano	Indra SRL	+39 029 729 8663	indra@indra.it
	Norway	Sola	Flowtec	+47 47 88 2027	helge@flowtec.no
		Hafslsfjord	HydraServ	+47 911 35 785	ew@hydraserv.no
	Poland	Gdansk	ECOZAM Sp.z.o.o.	+48 58 522 0380	info@verdigroup.pl
	Russia	Moscow	Fluid Line	+7 495 517 7261	slobodov@fluid-line.ru
Slovak Republic	Bratislava	ECM ECO Monitoring a.s.	+421 24 342 9417	ecm@ecm.sk	
Spain (& Portugal)	Tarragona	Arcamo Controls SA	+34 977 55 4739	arcamo@arcamo.com	
	Aberdeen	TIS Hydraulics	+44 1224 775 277	sales@tis-hydraulics.com	
Middle East	UAE	Dubai	Hy-Lok Middle East (Branch Office)	+971 4 882 3018	anzal@hy-lok.com
		Dubai	East West Trading International	+971 4 3680249	anwar.q@evi-intl.com
	Abu Dhabi	Next Engineering Equipments Trading	+971 2 6289100	sales@nextengg.com	
		ALMOAYYED International Group	+973 17700777	cmvurthy@almoayyedintl.com.bh	
	Iran	Tehran	ATDM (Avizheh Technology and Development of Middle East)	+98 21 8855 2948	amirsabbagh4@gmail.com
		Tehran	Siraf Tejarat Ltd.,	+98 21 8888 9322	f.khajehpour@siraftejarat.com
	Kuwait	Kuwait City	United Technical Industrial Services Est. (UTIS)	+965 2241 1263	akbar@utis-kw.com
	Oman	Muscat	Abu Ilyas Trading LLC	+968 244 80939	bijuraj@abulyas.co.om
	Qatar	Doha	Well Field Industrial Suppliers & Services WLL	+974 442 9609	nbnm@wellfieldqatar.com
	Saudi Arabia	Dammam	Al-Abdulkarim Holding Company (Naizak Global Eng. System Est)	+966 3 897 4721	abdalltm@akh.com.sa
America	USA	Houston	Hy-Lok USA	+1 832 634 2000	info@hylokusa.com
	Canada	Edmonton	Hy-Lok Canada	+1 780 409 4484	info@hylok.ca
	Argentina	Buenos Aires	CPI Suppliers S.A.	+54 11 4701 4386	info@cpisuppliersa.com.ar
	Bolivia	Santa Cruz	Petroplus	+591 3 355 5800	petroplus@petroplus.cc
	Brazil	Sao Paulo	Hy-Lok Brazil Ltd.	+55 19 3432 1444	paulo@hylokbrasil.com.br
	Chile	Santiago	SMC Pneumatics Chile S.A.	+56 2 270 8600	ingenieria@smchile.cl
	Colombia	Bogota	Imposabys	+57 1 605 3923	vgarcia@imposabys.com
	Costa Rica	Santa Ana	EBM & Associates	+506 8836 0759	e.bejarano@ebmglobal.net
	Mexico	Tlanepantla	QTS Mexico, S.A. de C.V.	+52 5 240 7415	adiaz@hylokmexico.com
	Puerto Rico	Manati	Pharmaceutical Processes Systems, Inc	+1 787 854 5477	eduardo.perez@ppspr.com
Venezuela		Caracas	Valconca-Valvulas y Conexiones, C.A.	+58 242 364 0111	-
Asia	China	Shanghai	Hy-Lok China Co., Ltd.	+86 21 6230 8533	info@hy-lokchina.com
	Singapore	Singapore	Hy-Lok Singapore	+65 6 862 8811	hylok@singnet.com.sg
		Gujarat	Narmada-Fluid Controls	+91 264 224 9432	superdiesels@hotmail.com
	India	Greater Noida	River Engineering Pvt. Ltd	+91 120 674 9910	Info@riverengg.com
		Mumbai	Rioj International	+91 22 2756 5255	rioj2005@yahoo.co.in
		Kolkata	SSSP Technologies	+91 98306 88788	phalgunibanerjee943@yahoo.in
	Indonesia	Tangerang	PT Duta Excellence Teknindo	+62 21 2225 1009	sales@dex.co.id
		Jakarta	PT. Hydro Industrial Automation	+62 21 5830 3530	hydro_hia@cbn.net.id
		Surabaya	PT Inko Matalindo Ind. Supply Co.	+62 31 3520760	sales@inkomet.com
	Japan	Osaka	Flobal Corporation	+81 6 6457 2688	overseas_sales@flobal.jp
		Osaka	IGETA	+81 6 6754 1523	igeta@fuga.ocn.ne.jp
		Osaka	Daisho Sangyo	+81 6 6121 6011	info@daishosangyo.co.jp
		Tokyo	Umbersoll	+81 3 5642 2071	m.suda@umbersoll.com
		Kuala Lumpur	DEEPLY Toppide SDN BHD	+603 5033 4620	boonte@deeploy.com.my
	Malaysia	Klang	Flytech Engineering Bhd. Sdn.	+603 3373 2228	flytech@po.jaring.my
	Pakistan	Karachi	Aburgurt (Pvt) Ltd.	+9221 3454 8050	info@abgurt.com
		Manila	Morse Hydraulics System Corporation	+63(2) 288-6996	morsehsc@salgroupco.com
	Philippines	Santa Rosa	BF High Pressure Technology Company	+63 49 544 0918-9	bfphtc@gmail.com
	Taiwan	Taipei	Ja Chan Co., Ltd.	+886 2 8521 8891	jachanco@ms32.hinet.net
Thailand	Bangkok	Astute Solution Co.,Ltd.	+66 2300 1789	sales@astute-soln.com	
Vietnam	Ho Chi Minh	KOVIS Engineering & Construction	+84 8 3514 6132	yskim@kovis.com.vn	
	Ho Chi Minh	Comnet Industries Company	+84 8 3899 4922	nhtai@cicvietnam.vn	
Oceania	Australia	Melbourne	Hy-Lok Oceania P/L (Melbourne)	+61 3 9334 5700	sales@hylok.com.au
		Perth	Hy-Lok Oceania P/L (Perth)	+61 433 761 428	heather@hylok.com.au
Africa	Nigeria	Lagos	Hy-Lok Nigeria	+234 1 4621 606	info@hy-loknigeria.com
	Egypt	Cairo	Gabr Industrial Services (GIS)	+20 2 2690 8933	mgabr@gis-eg.com
	Republic of South Africa	Sandton	Hydratics Control Equipment	+27 11 608 1340	mjones@hydratics.co.za

2. PRODUCTS RANGE

Our production range covers Instrument Fittings on customer specification.

We therefore only show a part of our total range. If you are looking for a different fittings and valves than shown in this PQ, do not hesitate to contact our sales department.



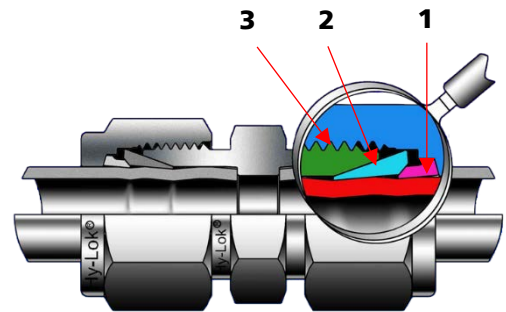
2. PRODUCTS RANGE

Tube Fittings

In 1977, Hy-Lok firmly established its leadership position and took the industry by storm, introducing the Hy-Lok® Tube Fittings. To this day the Hy-Lok design features offer unique advantages and benefits to users that are unmatched in the industry, especially for severe service applications.

Hy-Lok® Key Design Benefits

1. The Back Ferrule provides a strong mechanical and anti-vibration hold on the tube.
2. Pressure Seal by Front Ferrule on the Tube and Body
3. Fine Pitch, Silver Plated Nut, Threads ensure no galling.



Material Supported

Materials supported are 316SS, MONEL®, INCONEL® 625, INCOLOY® 825, HASTELLOY® C, Titanium, Duplex, Super Duplex, 6MO and Brass. Available in both Metric & Imperial sizes. Available in both Metric and Imperial sizes 1/16" to 2" in multiple configurations.



2. PRODUCTS RANGE

INSTRUMENT FITTINGS



Hy-Lok Tube Fitting

Catalog No. H-220TF

Applications

Instrumentation, High Pressure Service, General Service

Size Range

From 1/16" to 2" (2mm to 38mm)

Features

Compression Double Ferrule Design
 Vibration Resistance
 Complete Interchangeability
 Gaugeability
 Excellent Make Up and Re-make Life
 CNG / NGV available
 ASTM F1387-12 (2012)



Bite Type Tube Fitting (DIN 2353)

Catalog No. H-230TF

Applications

Hydraulic, Pneumatic, Lubrication

Size Range

From 6mm to 42mm

Features

Bite Type Single Ferrule Design
 According to DIN 2353 / ISO 8434-1
 Usable Hose Connection
 LL Series Very Light (6LL, 8LL, 10LL, 12LL)
 L Series Light (6L, 8L, 10L, 12L, 15L, 18L, 22L, 28L, 35L, 42L)
 S Series Heavy (6S, 8S, 10S, 12S, 14S, 16S, 20S, 25S, 30S, 38S)



37° Flared Tube Fitting (SAE J514)

Catalog No. H-240FF

Applications

Hydraulic, Pneumatic

Size Range

From 1/4" to 1 1/2" (6mm to 38mm)

Features

37° Angle and Seat Design
 According to SAE J514 / ISO 8434-2
 Usable with either Metric or Inch Tube
 Vibration Resistance
 Available O-ring Seal
 Usable Hose Connection



OF (O-ring Face) Seal Fitting

Catalog No. H-260CF

Applications

High Pressure Service, Hydraulic System, Gas Process

Size Range

From 1/4" to 1" (6mm to 25mm)

Features

O-ring Face Seal Design
 According to SAE J1453 / ISO 8434-3
 Zero Clearance provides
 Vibration Resistance
 High Pressure

2. PRODUCTS RANGE

INSTRUMENT FITTINGS

Catalog No. H-100HP



High Pressure Fitting

Applications

Oil & Gas Process, Injection system

Size Range

From 1/4" to 1"

Features

Coned and Threaded Connection Design

Repeated Assembly & Disassembly

Increased Pressure Handling Capability

Sour Gas Service Available

Medium Pressure : 20,000 psi

High Pressure : 60,000 psi

Catalog No. H-310PF



Pipe Fitting (ASME B16.11)

Applications

Power Plant, Chemical, General Service

Features

Forged Material : A105, A182 F316

Class 2000, 3000, 6000, 9000

According to ASME B16.11 / MSS-SP79, 83, 95

Screwed : Class 2000, 3000, 6000

Socket Weld : Class 3000, 6000, 9000

Catalog No. H-300PF



Instrument Thread & Weld Fitting

Applications

Instrumentation, General Service

Size Range

From 1/8" to 2"

Features

NPT and ISO / BSP Pipe Thread End

Tube Socket Weld

According to ASME B31.3

SS316, Brass, Carbon Steel

2. PRODUCTS RANGE

Instrument Valves & Manifolds

Types of valves available are Needle, Ball, Manifolds, Gauge Valves in sizes from 1/16" to 1".

A variety of handle and elastomer options are offered. Available connections come in either Metric or Imperial sizes, with threaded or tube fitting ends. Available in multiple configurations.



Valve Types Including

- Panel Mount
- Low Profile
- Bi-Directional
- Multi-Directional
- High Cycle
- Zero Leak
- 3-Piece Bolted
- Fire Safe
- Industrial
- Forged Body
- Bar Stock

Features Include

- Full 316 / 316L Dual Certified Stainless Steel Components
- Full Compliance of NACE MR-01-75 Specifications
- Hy-Lok® Close Tolerance NPT Threads to ensure maximum engagement with mating
- Threaded components
- Optional tube adapters available



Material Supported

Materials supported are 316SS, MONEL®, INCONEL® 625, INCOLOY® 825, HASTELLOY® C, Titanium, Duplex, Super Duplex, 6MO and Brass. Available in both Metric & Imperial sizes.



Key Design Benefits Include

- Innovative Leak Proof Design
- Low Torque Operation
- Highest Quality
- High Cycle Options for Extended Service Life
- Energized Seals minimize Fugitive Emission.



2. PRODUCTS RANGE

INSTRUMENT NEEDLE VALVES & MANIFOLDS

Catalog No. H-100NV



NV Series Integral Bonnet Needle Valves

Applications

Instrumentation, General Service

Max. End Connection Size

3/4" (20mm)

Features

For positive leak tight shut-off and regulation of flow

Choice of three stem tips

Soft tipped optional seating available for gas

Catalog No. H-102NV & H-104NV



GB & GH Series Union Bonnet Needle Valves

Applications

Severe service, High pressure and temperature

Max. End Connection Size

GB Series : 1" (25mm)

GH Series : 1/2"

Features

Stem packing below threads

Panel mount

Ideal for steam blow down

Catalog No. H-103NV



SVH 1, SVH 2 Series High Pressure Needle Valves

Applications

Instrumentation, High pressure service

Max. End Connection Size

SVH 1 : 1/2"

SVH 2 : 1/2" (12mm)

Features

PTFE packing provides leak tight seal

Non rotating tips

Working pressure up to 10,000 psi (690 bar)

Soft tipped optional seating available for gas

Catalog No. H-RP100



RP Series Rising Plug Valves

Applications

Sour gas service, Oil & Gas process

Max. End Connection Size

3/4"

Features

High flow capacity

O-ring seal and soft seat

Straight through flow pattern

100% repeatable bubble tight shut off

Catalog No. H-120MV



M Series Instrument Manifolds / Gauge / Root Valves

Applications

Pressure & Flow Measurement

Features

2-Valve : Block & Bleed Valve Manifolds

3-Valve : 2-Block & Equalize Valve Manifolds

5-Valve : 2-Block & 2-Bleed & Equalize Valve Manifolds

Max. Operating Pressure @ 100°F(38°C) : 6000 psi (420 bar)

Temperature Range : -65°F(-54°C) to 1200°F(648°C)

2. PRODUCTS RANGE

INSTRUMENT BALL VALVES

Catalog No. H-110BV & H-110BPTV



110 & 110P Series Low Pressure Ball Valves

Applications

Pneumatic, Multi-Purpose, General Service

Max. End Connection Size

2" (25mm)

Features

Compact design with one pipe hexagon body

Low operation torque

Available locking device

Available push turn handle (110P Series)

Catalog No. H-112BV



112 Series Capsuled Ball Valves

Applications

Instrumentation, Oil & Gas Process

Max. End Connection Size

3/4" (20mm)

Features

Available in multi ports with 3-way, 4-way, 5-way, etc.

3-way switching or selecting

Two-piece seat fully encapsulated the ball

Minimum dead space is easily cleaned

One piece compact design

Full operating pressure in any port

Catalog No. H-102BV



50 Series Swing Out Ball Valve

Applications

Instrumentation, Oil & Gas Process

Max. End Connection Size

1" (25mm)

Features

Easy swing out

Zero clearance for repairs in line

Anti static device & Locking device

Spring loaded seats and stem seals

Long life cycle

Available up to 1" full flow design

2. PRODUCTS RANGE

INSTRUMENT BALL VALVES

Catalog No. H-105BV



105 Series High Pressure Ball Valves

Applications

High pressure service, Oil & Gas process

Max. End Connection Size

1" (25mm)

Features

2-way shut-off, 3-way switching design
Fire safety design
Available locking device
NACE MR-01-75 compliant materials available
CNG / NGV available

Catalog No. H-100TBV



T Series Trunnion Ball Valves

Applications

High pressure service

Max. End Connection Size

1/2" (12mm)

Features

2-way shut-off, 3-way switching or selecting design
Spring loaded ball seats, Low operation torque
Full operating pressure in any port
Trunnion bearings provide high cycle life
10,000 psi (690 bar) rating with PEEK seat
CNG / NGV available

Catalog No. H-P100



P Series Plug Valves

Applications

Instrumentation, General service

Max. End Connection Size

1/2" (12mm)

Features

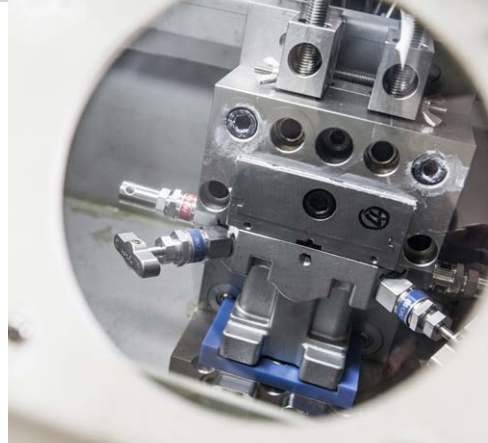
Throttling capability with straight-through flow
Easy replacement of plug and O-ring
O-ring plug seat
Low operation torque
Optional upstream or downstream vent
Typical used in laboratories

3. QUALITY



Our highly qualified staff works with high speed machines to produce your valves according to your specifications. A primary focus of Hy-Lok is continuously investing in state-of-the-art machinery according to the latest technology.

Following tests are performed in accordance with bases on customer's requirements or specification.



- Interchangeability Test
- Hydrostatic Test (100% Factory Test)
- Fugitive Emission Gas Test (Optional Factory Test)
- Gas Leak & Burst Test (Optional Factory Test)
- Fire Safety Test (Optional Factory Test)

3. QUALITY

**ASTM F1387 (2012) TEST REPORT
HY-LOK TUBE FITTINGS**

SOUTHWEST RESEARCH INSTITUTE®

6220 CULEBRA ROAD 78238-5166 • P.O. DRAWER 28510 78228-0510 • SAN ANTONIO, TEXAS, USA • (210) 684-5111 • WWW.SWRI.ORG

MECHANICAL ENGINEERING DIVISION

Mechanical Engineering Division
October 28, 2015

To whom it may concern,

This letter documents that "Hy-Lok separable mechanically attached fittings" made of stainless steel type 316 for the diameters ¼", 3/8", ½", ¾", and 1", tested in accordance with the ASTM F1387-12 (Performance of Piping and Tubing Mechanically Attached Fittings, 2012) standard and the SAE MA 2003 standard (Rotary Flexure Testing of Hydraulic Tubing Joints and Fittings, 2003), successfully passed the following tests:

Standard Qualification Tests:

1. Examination of Specimen
2. Pneumatic Proof
3. Hydrostatic Proof
4. Impulse
5. Flexure Fatigue
6. Tensile
7. Hydrostatic Burst
8. Repeated Assembly
9. Rotary Flex

Supplementary Tests:

1. Thermal Cycling
2. Elevated Temperature Soak
3. Stress-Corrosion
4. Torsion
5. Fire
6. Vibration
7. Shock

All the testing, except for the shock test, was conducted at the test facilities of Southwest Research Institute, San Antonio, Texas. The shock test was performed at the Dayton T. Brown, Inc. test facility in Bohemia, New York.



Leonardo Caseres, Ph.D.
Senior Research Engineer
Environmental Performance of Materials
Mechanical Engineering Division
Southwest Research Institute
6220 Culebra Road
San Antonio, Texas 78238-5166
Tel: (210) 522-5538
Fax: (210) 522-5122
email: lcaseres@swri.org
web: www.swri.org



Benefiting government, industry and the public through innovative science and technology

3. QUALITY

**PNEUMATIC PROOF TEST CERTIFICATE
HY-LOK TUBE FITTINGS**



Certificate No. B-50/2015-0138/001-1
Page 1 of 1

PNEUMATIC PROOF TEST CERTIFICATE

Date : 20 May, 2015

Applicant / Manufacturer : Hy-Lok Corporation
Date and Place of Test : 20 Jan., 2015 at the manufacturer's premises in Busan, Korea
Kind of Test : Pneumatic Proof Test
Test Fitting : Hy-Lok Two Ferrule Tube Fittings (ASTM A479 Type316)
 Test 1 : Size : 1/4" Union + Tube; 1/4" O.D. X 0.049" WT Seamless Tube
 Test 2 : Size : 3/8" Union + Tube; 3/8" O.D. X 0.049" WT Seamless Tube
 Test 3 : Size : 1/2" Union + Tube; 1/2" O.D. X 0.049" WT Seamless Tube
 Test 4 : Size : 3/4" Union + Tube; 3/4" O.D. X 0.065" WT Seamless Tube
 Test 5 : Size : 1" Union + Tube; 1" O.D. X 0.083" WT Seamless Tube

Test standard : Test Procedure No. TS-161 Rev.0 & ASTM F1387

Test condition :
 - Test Medium : N2 Gas
 - Test Temperature : Room Temperature
 - Test Condition

Test No.	Hy-Lok Part No.	Max. Working Pressure (Bar)	Test Pressure (Bar) (1.25XW.P.)	Holding Time (Min.)
Test 1	CUA-4	517.1	646.4	5
Test 2	CUA-6	331	413.8	5
Test 3	CUA-8	255.1	318.9	5
Test 4	CUA-12	227.5	284.4	5
Test 5	CUA-16	213.7	267.1	5

Acceptance Criteria : No Leakage

Test Results : Acceptable with no leakage at the test pressure

** ** ** **

This is to certify that the Pneumatic Proof Test was performed by the manufacturer under our witness as above, and we confirmed that no leakage at the test pressure.

Note

The details of the test condition and data are as per **Manufacturer's Test Report No. TR-PPT-15A20**, which were verified and endorsed by us.

** ** ** **

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SHJ/yjp

SGS Korea Co., Ltd.

B. I. Lim
 Team Lead, Industrial Division

3. QUALITY

**VIBRATION TEST CERTIFICATE
HY-LOK TUBE FITTINGS**



Certificate No. B-50/2015-0138/001-5
Page 1 of 1

VIBRATION TEST CERTIFICATE

Date : 20 May, 2015

Applicant / Manufacturer : Hy-Lok Corporation
Date and Place of Test : 3 Apr., 2015 at the manufacturer's premises in Busan, Korea
Kind of Test : Vibration Test
Test Fitting : **Hy-Lok Two Ferrule Tube Fittings (ASTM A479 Type316)**
 Test 1 : Size : 1/4" Union + Tube; 1/4" O.D. X 0.049" WT Seamless Tube
 Test 2 : Size : 3/8" Union + Tube; 3/8" O.D. X 0.049" WT Seamless Tube
 Test 3 : Size : 1/2" Union + Tube; 1/2" O.D. X 0.049" WT Seamless Tube
 Test 4 : Size : 3/4" Union + Tube; 3/4" O.D. X 0.065" WT Seamless Tube
 Test 5 : Size : 1" Union + Tube; 1" O.D. X 0.083" WT Seamless Tube
Test standard : Test Procedure No. TS-161 Rev.0 & ASTM F1387
Test condition :
 - Test Medium : Water
 - Test Temperature : Room Temperature
 - Test Condition

Test No.	Hy-lok Part No.	Max. Working Pressure (Bar)	Test Pressure (Bar) (W.P.)	Holding Time (Min.)	Amplitude (mm)	Test Frequency (Hz)	Test Cycle
Test 1	CUA-4	517.1	517.1	5	1.54	20	10 ⁷
Test 2	CUA-6	331	331	5	1.54	20	10 ⁷
Test 3	CUA-8	255.1	255.1	5	1.54	20	10 ⁷
Test 4	CUA-12	227.5	227.5	5	1.54	20	10 ⁷
Test 5	CUA-16	213.7	213.7	5	1.54	20	10 ⁷

Acceptance Criteria : No Leakage & No Crack
Test Results : Acceptable with no leakage/no crack at the 10⁷ cycle
 ** ** ** **

This is to certify that the Vibration Test was performed by the manufacturer under our witness as above, and we confirmed no leakage/no crack at the 10⁷ Cycle.

Note

The details of the test condition and data are as per **Manufacturer's Test Report No. TR-VT-15D03**, which were verified and endorsed by us.
 ** ** ** **

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SGS Korea Co., Ltd.

B. I. Lim
 Team Lead, Industrial Division

SHJ/yjp

3. QUALITY

GAS LEAK TEST & BURST TEST (110 SERIES BALL VALVES)




Certificate No. B-50/2015-0138/001-10
Page 1 of 2

GAS LEAK TEST & BURST TEST CERTIFICATE

Date : 20 May, 2015

Applicant / Manufacturer : Hy-Lok Corporation
Date and Place of Test : 6 Feb., 2015 at the manufacturer's premises in Busan, Korea
Kind of Test : Gas Leak Test & Burst Test
Test Fitting : **110 Series Ball Valves (ASTM A479 Type 316)**
 Test 1 : 1/2" Ball Valve, Tube Connection (Part No. VBVH-8T)
 Test 2 : 3/4" Ball Valve, Tube Connection (Part No. VBVH-1T)
 Test 3 : 1" Ball Valve, Tube Connection (Part No. VBVH-16T)
 Test 4 : 1/2" Ball Valve, Thread Connection (Part No. VBVF-8N)
 Test 5 : 1" Ball Valve, Thread Connection (Part No. VBVF-16N)
Test standard : Test Procedure No. TS-217 Rev.0 & API 598
Test condition :
 - Test Medium : Gas Leak Test ; N2 Gas / Burst Test ; Water
 - Test Temperature : Room Temperature
 - Test Condition

Gas Leak Test

Test No.	Hy-Lok Part No.	Max. Working Pressure (psig)	Test Pressure (psig) (1.1XW.P.)	Holding Time (Sec.)
Test 1	VBVH-8T	1000	1100	15
Test 2	VBVH-1T	1000	1100	15
Test 3	VBVH-16T	1000	1100	15
Test 4	VBVF-8N	1000	1100	15
Test 5	VBVF-16N	1000	1100	15

Burst Test

Test No.	Hy-Lok Part No.	Max. Working Pressure (psig)	Test Pressure (psig) (4XW.P.)	Holding Time (Min.)
Test 1	VBVH-8T	1000	4000	10
Test 2	VBVH-1T	1000	4000	10
Test 3	VBVH-16T	1000	4000	10
Test 4	VBVF-8N	1000	4000	10
Test 5	VBVF-16N	1000	4000	10

Acceptance Criteria : - Gas Leak Test ; No Leakage
 - Burst Test ; No Crack & No Deformation at Burst Test Pressure
Test Results : - Gas Leak Test ; Acceptable with no leakage at the test pressure
 - Burst Test ; Acceptable with no Crack & no deformation at the burst test pressure

**

**

**

**

This is to certify that the Gas Leak Test/Burst Test was performed by the manufacturer under our witness as above, and we confirmed that the gas leak test was no leakage at the test pressure & burst test was no crack/no deformation at the burst test pressure.

Note

The details of the test condition and data are as per **Manufacturer's Test Report No. TR-GL-110-15B06 & TR-BT-110-15B06**, which were verified and endorsed by us.

**

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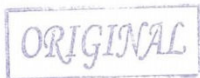
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3. QUALITY

**GAS LEAK TEST & BURST TEST
(NV SERIES INTEGRAL BONNET NEEDLE VALVES)**



Certificate No. B-50/2015-0138/001-6
Page 1 of 1

GAS LEAK TEST & BURST TEST CERTIFICATE

Date : 20 May, 2015

Applicant / Manufacturer : Hy-Lok Corporation
Date and Place of Test : 14 Jan., 2015 at the manufacturer's premises in Busan, Korea
Kind of Test : Gas Leak Test & Burst Test
Test Fitting : NV Series Integral Bonnet Needle Valves (ASTM A182 F316)
 Test 1 : 1/4" Needle Valve (Part No. VNV2H-4T)
 Test 2 : 3/8" Needle Valve (Part No. VNV3H-6T)
 Test 3 : 1/2" Needle Valve (Part No. VNV4H-8T)

Test standard : Test Procedure No. TS-217 Rev.0 & API 598

Test condition :
 - Test Medium : Gas Leak Test ; N2 Gas / Burst Test ; Water
 - Test Temperature : Room Temperature
 - Test Condition

Gas Leak Test

Test No.	Hy-Lok Part No.	Max. Working Pressure (psig)	Test Pressure (psig) (1.1XW.P.)	Holding Time (Sec.)
Test 1	VNV2H-4T	5000	5500	15
Test 2	VNV3H-6T	5000	5500	15
Test 3	VNV4H-8T	5000	5500	15

Burst Test

Test No.	Hy-Lok Part No.	Max. Working Pressure (psig)	Test Pressure (psig) (4XW.P.)	Holding Time (Min.)
Test 1	VNV2H-4T	5000	20000	10
Test 2	VNV3H-6T	5000	20000	10
Test 3	VNV4H-8T	5000	20000	10

Acceptance Criteria : - Gas Leak Test ; No Leakage
 - Burst Test ; No Crack & No Deformation at Burst Test Pressure

Test Results : - Gas Leak Test ; Acceptable with no leakage at the test pressure
 - Burst Test ; Acceptable with no Crack & no deformation at the burst test pressure

** ** ** **

This is to certify that the Gas Leak Test/Burst Test was performed by the manufacturer under our witness as above, and we confirmed that the gas leak test was no leakage at the test pressure & burst test was no crack/no deformation at the burst test pressure.

Note

The details of the test condition and data are as per **Manufacturer's Test Report No. TR-GL-NV-15A14 & TR-BT-NV-15A14**, which were verified and endorsed by us.

** ** ** **

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SGS Korea Co., Ltd.

 B. I. Lim
 Team Lead, Industrial Division

SHJ/yjp

4. HSE MANAGEMENT



HSE POLICY

All the members of Hy-Lok Corporation and relevant interested parties shall minimize the Environment / Safety-Health risk of every activities, recognize it is the basic essence for human-centered and moral enterprise responsibility when the organization develop, purchase, manufacture and service products to customers, implement continuously the followings.

4. HSE MANAGEMENT

HEALTH & SAFETY RECORDS

2016 HSE STATISTICS

☒ Date : 2016.12.30

No.	Data	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1	Workers	518	518	511	511	511	511	511	508	510	518	505	504	6,341	
2	Working Days	22	20	25	23	24	24	23	24	20	22	24	24	275	
3	Average Monthly Working Hours	30.1	10.6	10.5	10.6	10.6	10.5	10.7	10.2	11.0	10.2	10.6	11.0	126.6	
4	Man-Hour	114,201	208,392	134,663	125,557	130,507	129,276	125,257	134,803	112,404	115,730	128,472	123,177	1,449,796	
No.	Data	Units & Method for Calculating	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	Fatalities	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Lost Time Injuries (LTI)	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Medical Treatment Case (MTC)	Case	0	0	0	0	0	0	1	0	0	0	0	0	1
4	Restricted Work Case (RWC)	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Total Recordable Cases (TRC)	Total Case	0	0	0	0	0	0	0	1	0	0	0	0	1
6	Lost Time Injuries Rate (LTIR)	$(1+3/\text{Man-Hour}) \times 200,000$	0.13												
No.	Data	Units & Method for Calculating	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
7	Total Recordable Incidence Rate (TRIR)	$(5/\text{Man-Hour}) \times 200,000$	0.13												
8	Medical Care Cost	USD	0	0	0	0	0	0	0	0	0	377	0	0	377
9	Near Miss	Case	0	0	0	0	0	0	0	0	1	1	1	1	3
10	Frequency Rate (FR)	$(2+3/\text{Man-Hour}) \times 200,000$	0.13												
11	Working Loss Day	Days	0	0	0	0	0	0	0	0	2	0	0	0	2
12	Severity Rate (SR)	$(11/\text{Man-Hour}) \times 200,000$	0.27												
13	Fork Lift Accident Case	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Crane or Hoist Accident Case	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Musculoskeletal System Accident Case	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fire Case	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Safety Check Nonperformance	Case	9	2	9	2	2	0	0	5	0	16	10	8	63
18	Waste Solid	Ton	0	0	0.77	0	0.77	0	0.68	0	0	0	0.86	0	3.08
No.	Data	Units & Method for Calculating	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
19	Waste Paint	Ton	0	1.51	0	0	0	0	3.02	0	0	1.49	0	0	6.02
20	Waste water	Ton	52.5	48	52	70	23	63	68	48	46	72	72	74.5	689
21	Cir Accident Case	Case	0	0	3	0	2	0	0	2	1	0	1	1	10
22	Environmental Accident Case	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Civil appeal	Case	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Public Office Audit Case	Case	0	0	0	0	0	0	0	0	0	0	0	1	1
25	First AID	Case	124												
26	Patients Who Had Abnormal Findings through the periodic health examination	Person	216												
27	Patients Who Had Abnormal Findings through the Special Health Examination	Person	58												
27	Working Environment Measurement Over Standard	Case	0												
28	Workers Compensation Experience Modification	%	19.63												

5. APPROVAL LETTERS

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5. APPROVAL LETTERS

PETROBRAS



Certificado de Registro e Classificação Cadastral

Emitente: MATERIAIS/DEM/CCF
 CPF/ CNPJ: 04933415000179
 Fornecedor: HY-LOK BRASIL LTDA
 Número: 7000056475-0

Data de Emissão: 27 de setembro de 2016.
 Validade do Cadastro: 26 de setembro de 2017.

Este documento substitui e cancela os anteriores.

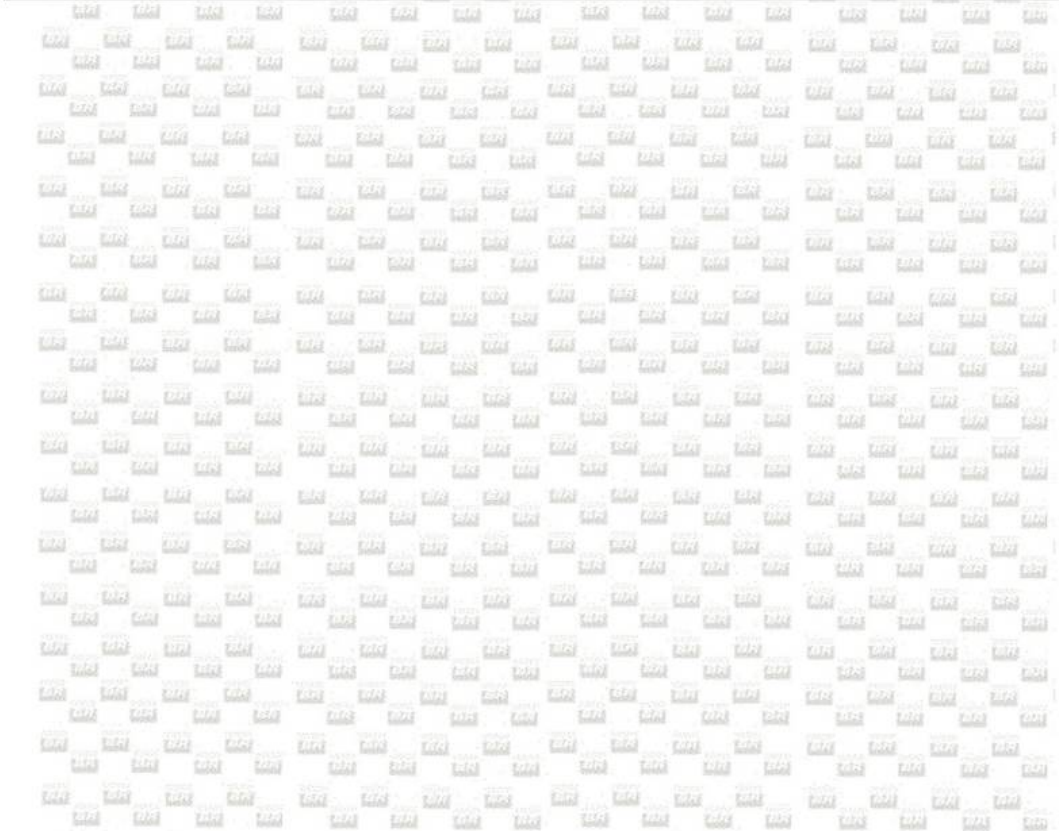
Informações do documento

Este fornecedor está habilitado a fornecer os seguintes serviços/materiais.

Atenção! Quando do processo de contratação/compra, a habilitação de cada material deverá ser confirmada no sistema de informação da PETROBRAS, em decorrência de possíveis alterações na qualificação técnica que possam ocorrer durante a vigência do presente documento.

A validade deste CRCC no Cadastro de Fornecedores da Petrobras está condicionada à manutenção das informações cadastrais atualizadas, estando a inscrição cadastral e a lista de famílias de bens/serviços passível de revisão a qualquer momento. Atente para as orientações contidas no Portal do Cadastro no Banner "Revisão do Cadastro de Fornecedores".

Família de Bens		Revenda de Fabricante: HY-LOK CORPORATION (0030003861)
M-31 - Tubo conformável de aço inox (Tubing Al) ; sem costura ; (98000256)		Tipo de Inspeção: L - Liberado de inspeção
M-40 - Manifold para instrumentação (98000911)		Tipo de Inspeção: L - Liberado de inspeção
M-40 - Bujão para tubo ; Aço inoxidável ; (98001948)		Tipo de Inspeção: A - Final fábrica sem testemunho
M-40 - Válvula agulha para instrumentação ; (98003021)		Tipo de Inspeção: L - Liberado de inspeção
M-40 - Conexão p/ instrumentação anilha simples (98005371)		Tipo de Inspeção: L - Liberado de inspeção
Detalhamento: CONEXÕES PARA TUBING DE INSTRUMENTAÇÃO ANILHA SIMPLES; EM AÇO INOX 316; PRESSÃO OPERAÇÃO MÁXIMA: 6500PSI; PADRÃO ASTM A269; FORNECIDA SOB FORMA DE CONJUNTO CORPO, PORCA E ANILHA.		
M-40 - Válvula esfera para instrumentação (98005530)		Tipo de Inspeção: L - Liberado de inspeção
Detalhamento: Nota: Alerta de segurança operacional - Este tipo de válvula não pode sofrer manutenção ou ser desmontada em operação (linha pressurizada), face sua característica construtiva, podendo ocorrer acidente. Maiores detalhes poderão ser obtidos junto ao E&P-ENGP/IPMI/EISA		
M-40 - Válvula segurança/alívio para instrumentação ; (98007044)		Tipo de Inspeção: B - Final fábrica com testemunho
Detalhamento: VÁLVULA TIPO ALÍVIO (SEGURANÇA) ANGULAR; EM AÇO INOX 316; PRESSÃO MÁX OPERAÇÃO: 413 BAR; TEMPERATURA OP.: -23°C a 204°C; DIÂMETRO: 1/4" a 1/2" OD E 1/4" a 1/2" NPT.		
M-41 - Cilindro para amostragem de hidrocarbonetos (98001210)		Tipo de Inspeção: L - Liberado de inspeção



5. APPROVAL LETTERS

SAIPEM



saipem

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20097 San Donato Milanese (Milano)
Tel.+ 39 02 5201 Fax + 39 0252044242
<http://www.saipem.com/>

Messrs

HY-LOK CORPORATION
SONGJEONG-DONG,
GANGSEO-GU 1467-1
618-817 BUSAN - SOUTH KOREA

Kind attn. of the Legal Representative

Protocol Number VM-3657-13-WG-AI

San Donato Milanese, 04/09/2013

We are pleased to inform you that your Company has successfully completed the qualification process in accordance with Saipem procedures.

The qualification stands for the supply of goods and/or services for the following commodities:

M01810080 TUBING VALVES

M02630018 INSTRUMENT TUBING - PIPE - STAINLESS STEEL SEAMLESS FOR PRIMARY CONNECTIONS

M02630020 TUBE FITTINGS

Please note that you have been registered in our Vendor Management Data Base with code **57732** that you are kindly requested to mention in all communication with Saipem.

Your Company is now registered in Saipem "Vendor List"; such registration shall not create or impose any obligation or liability on Saipem.

The qualification has a 36 (thirty-six) month validity, and this qualification status will be monitored through feedback analysis and, if required, audit visits at your offices and/or premises.

We kindly ask you to promptly inform us of any change of your Company organization by entering our website www.saipem.com and joining "Qualification Management" area.

We remain at your disposal for any clarification.

Best regards,

saipem spa
Group Procurement Department
Via ...
Alessandro Iannucci



saipem spa

With Registered Office in San Donato Milanese, Italy,
via Martiri di Cefalonia, 67
Full paid-up Share Capital Euro 441,410,900
Fiscal Code and Milan Companies' Register No. 00825790157
VAT Number 00825790157, R.E.A. Milan n. 788744 788744
A subsidiary of Eni S.p.A.

5. APPROVAL LETTERS

KNPC

شركة البترول الوطنية الكويتية

إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation

KNPC



VENDORS & CONTRACTORS EVALUATION COMMITTEE

M/S. HY- LOK CORPORATION., SOUTH KOREA
1467-1,SONGJEONG - DONG, GANGSEO - GU BUSAN.
SOUTH KOREA 618-270
REPUBLIC OF KOREA

DATE: 02-Apr-2015
REF: V/C-V 4470-15-0280L
FILE NO: V 4470

SUBJECT: VENDOR APPROVAL - ADDITIONAL PRODUCT CODES*

GENTLEMEN,
REFERENCE TO YOUR APPLICATION DATED 27/01/2015 ON THE ABOVE SUBJECT, YOUR COMPANY IS APPROVED AS A VENDOR EFFECTIVE 02/04/2015 FOR THE SUPPLY OF THE FOLLOWING PRODUCT(S) FOR K.N.P.C. REFINERIES:

PRODUCT	DESCRIPTION
*14 25	FITTINGS PIPE 2 INCHES & BELOW - S. STEEL
*14 30	FITTINGS PIPE 2 INCHES & BELOW - ALLOY STEEL
17 03	BARSTOCK NEEDLE VALVES INCLUDING ANGLE & MANIFOLDS
*46 83	MANIFOLDS / TUBE FITTINGS AND ACCESSORIES
46 87	PIPE FITTINGS - STAINLESS STEEL - BELOW 1/2"
46 86	PIPE FITTINGS - CARBON STEEL - BELOW 1/2" -
46 88	PIPE FITTINGS - ALLOY STEEL - BELOW 1/2"
*14 15	FITTINGS PIPE 2 INCHES & BELOW - C. STEEL

THE COMPANY (VENDOR) CODE ALLOCATED TO YOUR COMPANY IS **277106.**
PLEASE ENSURE TO QUOTE THIS CODE AND ABOVE FILE NO. ON ALL YOUR FUTURE CORRESPONDENCE:

VERY TRULY YOURS,



OUSAMA H. SHAMMAS
CHAIRMAN V&CEC

HAT / MF / AMM
HAT / MF / AMM

CC: UNITED TECHNICAL INDUSTRIAL SERVICES COMPANY., KUWAIT.,
THE INTERNAL CODE ALLOCATED
TO YOUR COMPANY IS 559185

NOTE: THIS SUPERSEDES OUR PREVIOUS APPROVAL DATED 02/01/2013
APPROVAL EXPIERY: 30/06/2018

PLEASE REFER OVERLEAF FOR INSTRUCTIONS

5. APPROVAL LETTERS

KOC

13/03/2014 08:28 00965-23984967

PURCH. TEAM

PAGE 01



TO: M/s. Hy-Lok Corporation
Korea
Fax No.: 0082 51 831 7920 / 0082 51 831 7928

Date : 13th March 2014
Msg. No.: RQAN/1557/8294/2014
Total No. of Pages: 1

FROM: Ag. Team Leader Supplier Relationship Management
Commercial Support Group
P.O. Box – 9758, 61008 Ahmadi, Kuwait
Fax No.: (965) 23980429

SUBJECT: **RE-QUALIFICATION OF VENDOR APPROVAL NOTIFICATION**

OUR REF.: **VEC-23883/IN/PTF/RQF/8294/2014**

Dear Sirs,

We are pleased to inform you that your application to retain you in KOC approved list of manufacturers has been approved for the product category and manufacturing facility mentioned here below:

PRODUCT CATEGORY : **IMPULSE PIPING, TUBING & FITTINGS
(INCLUDING INSTRUMENTATION VALVES)**

FACILITY ADDRESS : **M/s. HY-LOK CORPORATION
97, NOKSANSANDAN 27-RO, GANGSEO-GU
BUSAN, 618-817 KOREA**

Validity : **From 13th March 2014 to 12th March 2019 (5 years)**

Earlier Approval : **VEC-23883/IN/PTF/017/2008 dated 10th July 2008**

This notification of approval is issued subject to the following, failing which liable for cancellation at any time at the discretion of KOC:-

- To update regularly with the latest product catalogue / information.
- To furnish Budgetary Quotations as & when requested.
- To furnish Audited financial details for every two years.
- To update with latest contact details / Change in Local Agent.
- To update with Name Change / Merging / Factory Shifting.
- To submit request for Re-Qualification (if required) 3 months prior to the date of expiry.

Sincerely,

For Kuwait Oil Company

Yousef Al-Dewaila

cc: M/s. United Technical Industrial Services Kuwait; Fax:- 2 241 1593
File

5. APPROVAL LETTERS

PETRONAS



COMPANY'S NAME : DEEPLY TOPSIDE SDN BHD (1130528-A)
 LICENSE NO : 1130528-A
 LICENSE PERIOD : 19.11.2015 - 18.11.2018

SPECIAL CONDITIONS	
SCOPE OF WORKS	For SWEC P11150300, company is required to maintain the Principal HY-LOK CORPORATION'S experience that shows 10 years of experience and comply to the minimum requirement as described in the Minimum Technical Requirement MTR before 30 August 2016. Failing which, the company will no longer be listed in the PETRONAS List of Licensed/Registered Companies LLRC for the relevant SWEC.
SCOPE OF WORKS	For SWEC P11150200, company is required to maintain the Principal HY-LOK CORPORATION'S experience that shows 10 years of experience and comply to the minimum requirement as described in the Minimum Technical Requirement MTR before 30 August 2016. Failing which, the company will no longer be listed in the PETRONAS List of Licensed/Registered Companies LLRC for the relevant SWEC.

CATEGORIES OF LICENSE / REGISTRATION					
APPROVED LICENSE CATEGORIES					
L/R	Service / Supplier Code	Mode of Operation	Principal Name (If Applicable)	Approval Date / Time	Expiry Date / Time
L	P11150100 INSTR-INSTRUMENT TUBINGS/ACC-TUBINGS	AGENT	HY-LOK CORPORATION	29.07.2016 14:06:56	18.11.2018
L	P11150200 INSTR-INSTRUMENT TUBINGS/ACC-FITTINGS	AGENT	HY-LOK CORPORATION	02.08.2016 15:21:32	18.11.2018
L	P11150300 INSTR-VALVES-INSTRUMENT VALVES&MANIFOLDS (Reclassified P11140300)	AGENT	HY-LOK CORPORATION	02.08.2016 15:21:32	18.11.2018
L	PM1080100 MECHANICAL FILTERS, ELEMENTS, AND ACCESSORIES, PROCESS FILTER	AGENT	GAZTECH LLC	19.11.2015 17:50:49	18.11.2018



COMPANY'S NAME : DEEPLY SDN BHD (1067206-P)
 LICENSE NO : 1067206-P
 LICENSE PERIOD : 08.06.2015 - 07.06.2018

CATEGORIES OF LICENSE / REGISTRATION					
APPROVED LICENSE CATEGORIES					
L/R	Service / Supplier Code	Mode of Operation	Principal Name (If Applicable)	Approval Date / Time	Expiry Date / Time
L	PV1010100 VALVES - BALL VALVES - BALL VALVE LESS THAN 50 MM (NON-FIRESAFE)	AGENT	HY-LOK CORPORATION	12.10.2016 19:02:42	07.06.2018
L	PV1010200 VALVES - BALL VALVES - BALL VALVE LESS THAN 50 MM (FIRESAFE / FIRE TESTED)	AGENT	HY-LOK CORPORATION	12.10.2016 19:02:43	07.06.2018
L	PV1010400 VALVES - BALL VALVES - BALL VALVE 50 MM AND LARGER (FIRESAFE / FIRE TESTED) (RECLASSIFIED FROM PV1010300 & PV1010400)	AGENT	HY-LOK CORPORATION	12.10.2016 19:02:43	07.06.2018
L	SM2100200	AGENT	PT. SUADANA SARANA BERLIAN	08.06.2015	07.06.2018



COMPANY'S NAME : DEEPLY TOPSIDE SDN BHD (1130528-A)
 LICENSE NO : 1130528-A
 LICENSE PERIOD : 19.11.2015 - 18.11.2018

CATEGORIES OF LICENSE / REGISTRATION					
APPROVED LICENSE CATEGORIES					
L/R	Service / Supplier Code	Mode of Operation	Principal Name (If Applicable)	Approval Date / Time	Expiry Date / Time
L	PV1020200 VALVES - GATE VALVES - GATE VALVES 50 MM AND LARGER	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:22	18.11.2018
L	PV1020300 VALVES - GATE VALVES - THROUGH CONDUIT # SLAB AND EXPANDABLE TYPE	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:20	18.11.2018
L	PV1030100 VALVES - CHECK VALVES - SWING TYPE CHECK VALVE	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:20	18.11.2018
L	PV1030200 VALVES - CHECK VALVES - PISTON/BALL TYPE CHECK VALVE	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:20	18.11.2018
L	PV1030300 VALVES - CHECK VALVES - DUAL PLATE CHECK VALVES	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:21	18.11.2018
L	PV1030400 VALVES - CHECK VALVES - NON-SLAM CHECK VALVES	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:21	18.11.2018
L	PV1040100 VALVES - GLOBE VALVES - GLOBE VALVES LESS THAN 50 MM	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:21	18.11.2018
L	PV1040200 VALVES - GLOBE VALVES - GLOBE VALVES 50 MM AND LARGER	AGENT	SUFA TECHNOLOGY INDUSTRY CO., LTD CNNC	28.04.2016 10:54:21	18.11.2018
L	PV1150000 VALVES - INTEGRAL DOUBLE BLOCK AND BLEED VALVE (NON-INSTRUMENT)	AGENT	HY-LOK CORPORATION	11.08.2016 14:11:40	18.11.2018
L	SE2010600 ENG. DESIGN, ARCH. & DRAUGHTING SERVICES-ENGINEERING DESIGN-OFFSHORE NOVEL FACILITIES ENGINEERING	AGENT	NEPTUNE OFFSHORE ENGINEERING DEVELOPMENT CO.,LTD	03.03.2016 09:05:44	18.11.2018

*** END ***

5. APPROVAL LETTERS

GAZPROM



**СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ
ГАЗПРОМСЕРТ
РОСС RU.3022.04ГО00**

ОРГАН ПО СЕРТИФИКАЦИИ ПРОДУКЦИИ «СЕРКОНС» per. № ГО00.RU.1135
Общества с ограниченной ответственностью «СЕРКОНС»
(ОС «СЕРКОНС»)
115114, г. Москва, ул. Дербеневская наб., д. 11, пом. 60, тел./факс +7(495)782-1708,
e-mail: info@serconsrus.com, ИНН 7737517770

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ГО00.KR.1135.H00162

П 3430

Срок действия с 30.04.2014 по 29.04.2017

ПРОДУКЦИЯ

Фитинги трубные фирмы «Hy-Lok Corporation» (см. приложения ПП 1174, ПП 1175)
серийный выпуск

КОД ОКП: 37 9900

КОД ТН ВЭД РФ: (ТН ВЭД ТС) 7307 29 900 0

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ГОСТ 15763-2005 (пп. 5.2.1, 5.2.5, 5.2.7, 5.2.21, 5.2.25, 5.2.31, 5.3.1, 5.3.2)

ИЗГОТОВИТЕЛЬ

Фирма «Hy-Lok Corporation»
1467-1, SongJung-Dong, Gang Seo-Gu, Busan, 618-817, Korea (Корея)
тел.: 051-9700-800, факс: 051-831-7921, e-mail: ysoh@hy-lok.com

СЕРТИФИКАТ ВЫДАН

ООО «Флюид-Лайн», ИНН 7719716822
107023, г. Москва, Семеновский пер. д. 6
тел.: +7(495)517-72-61, +7(495)517-02-61, факс: +7(495)984-41-00, e-mail: mail@fluid-line.ru

НА ОСНОВАНИИ

Протокола сертификационных испытаний № 640/1-14 от 18.04.2014, выданного Испытательным центром ООО «АкадемСиб» (аттестат аккредитации № РОСС RU.0001.21AB09 от 01.08.2011).
Решения о выдаче сертификата соответствия № 10-01/0075-4 от 30.04.2014.

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ

Схема сертификации - Зс. Знак соответствия Системы ГАЗПРОМСЕРТ наносится на продукцию и сопроводительную техническую документацию согласно документу «Порядок применения знака соответствия Системы» от 25.03.2006 № ГО00.RU.0116.

Руководитель органа по сертификации



подпись

[Handwritten signature]

подпись

А. А. Григорьев

инициалы, фамилия

Ю. А. Будников

инициалы, фамилия

5. APPROVAL LETTERS

MA'ADEN

From: ECM CORP [mailto:ECM_CORP@Maaden.com.sa]
Sent: Wednesday, March 12, 2014 9:14 PM
To: hsb990@hy-lok.com
Cc: SRM
Subject: Saudi Arabian Mining Company Registration Approval



KINGDOM OF SAUDI ARABIA
Saudi Arabian Mining Company
 Saudi Joint Stock Company
 Paid up Capital SR. 9.250.000.000

المملكة العربية السعودية
شركة التعدين العربية السعودية (معادن)
 شركة مساهمة سعودية
 رأس المال المدفوع (9.250.000.000) ريال

Dear Vendor,

I am pleased to inform you that your company HY-LOK CORPORATION has been successfully registered with Ma'aden.

From now onwards, your company may receive from Ma'aden or its affiliates, request(s) to participate in tenders (RFP/RFQ) for Goods and/or Services and/or Projects in line with your competencies. However, please do not read into this letter that it constitutes a guarantee that you will receive any such requests, as those are dependent on many factors evaluated according to our discretion as needs arise.

Please note that your Vendor Code is: **11191**

You should also have received, an ID and password that will allow you to log on our Supplier Portal [Oracle Applications system](#).

If you have any further questions or require additional information then don't hesitate to contact me.

We appreciate your interest in becoming a Ma'aden vendor and look forward to the opportunity to work with you.

Best Regards,

Supplier Relationship Manager

5. APPROVAL LETTERS

SABIC

Saudi Basic Industries Corporation
SABIC Engineering & Project
Management
Shared Services
Al-Jubail



الشركة السعودية للصناعات الأساسية
سابك للشئون الهندسية وإدارة المشاريع
الخدمات المشتركة
الجبيل

Approval Letter:

<input checked="" type="checkbox"/>	URGENT	<input type="checkbox"/>	ORDINARY	<input type="checkbox"/>	CONFIDENTIAL
-------------------------------------	--------	--------------------------	----------	--------------------------	--------------

Date: 18 Feb. 2009
Ref : 006/Oct/08

No of Pages: 01

To	: Mr. Husam Fahoudah Area manager Al Abdulkarim Co. - KSA
Subject	: Hi-Lok Corporation SABIC Approved Vendor List

Dear Sir,

We would like to inform you that your company has been included in SABIC Engineering & Project Management Approved Vendors List for the following products:

Item	Product	Brand / Manufacturer
1.	Instrument Tube Fittings	Hy-Lok Corporation
2.	Needle Valves	Hy-Lok Corporation
3.	Air Manifolds	Hy-Lok Corporation

In order to update our vendor data base, please fill in the attached form (Annexure II) and send it back to the undersigned. This is for the confirmation of your address and contact details.

Best Regards,

Jassim A. Al-Sayegh
Vendor Committee Leader

CC: FILE

P. O. Box -11425 Al-Jubail Industrial City - 31961 - Saudi Arabia
Tel. 966 (3) 340 1680 Fax. 966 (3) 341 2816

5. APPROVAL LETTERS

SAUDI ARAMCO

Aramco Overseas Company B.V., Tokyo Tel: +81-(0)3-5563-0552
Ark Mori Bldg, P.O. Box 529 Fax: +81-(0)3-5563-0544
No. 12-32, Akasaka 1-chome,
Minato-ku, Tokyo 107-6016, Japan

September 14, 2011
Letter Ctrl # SRT-024-11

**Aramco Overseas
Company B.V.**



**HY-LOK CORPORATION
ATTN: SALES MANAGER
1467-1 SONGJEONG-DONG
GANGSEO-GU
BUSAN 618-270
SOUTH KOREA**

Subject: Quality Management System Approval

Survey/Assessment/Desk Review Date: **August 18, 2011**
Next Evaluation Date: **2016**
Reference: Vendor ID: **10004179**; Plant ID: **30004251**

Dear Sirs,

As a result of the **Desk Review** conducted by Aramco Overseas Company B.V. (AOC) Asia Pacific Inspection, AOC is pleased to advise you that your company's Quality Management System (QMS) is **APPROVED** to supply the attached list of Commodity Classification Codes (9COM) (see Attachment 1) that have been linked to your Plant ID No. **30004251**.

This approval is granted for your manufacturing plant, **HY-LOK CORPORATION, 1467-1 SONGJEONG-DONG, GANGSEO-GU, BUSAN 618-270 SOUTH KOREA** and your company is expected to continue complying with Saudi Arabian and Saudi Aramco Standards.

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you. However, your company will have the opportunity along with other approved suppliers to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures.

AOC would like to take this opportunity and thank you for your interest in doing business with Saudi Aramco. Please use the above referenced vendor ID and Plant ID on all future written correspondence.

Sincerely yours,


2011 SEP 14

Nasser S. AlHelal
Representative
Aramco Overseas Company B.V. Tokyo

It is the responsibility of the manufacturer to notify AOC Tokyo Supplier Relations Unit of the following:

1. *Change of Name/Address*
2. *Any change of manufacturing location (sub sourcing fabrication of major components)*
3. *Discontinuance of fabrication of approved 9COMs*

5. APPROVAL LETTERS

SEC

Generation Projects Engineering Department

Tel. 01-494-7040

Fax.01-494-7101

Email: GEPENMG@se.com.sa



الشركة السعودية للكهرباء
Saudi Electricity Company

Date : 24 January 2011

To : **HY-LOK Corporation.**
Korea, Busan

Attn. : Mr. Johnny Park.

Fax : +82 51 970 0870

Phone : +82 51 831 7922

E-mail : johnny@hy-lok.com

Subject :Prequalification of Hy-Lok corporation.

Reference to the above mentioned subject, SEC is pleased to inform you that, **HY-LOK Corporation** is qualified with Saudi Electricity Company as a Manufacturer of the following products with the prescribed limitation:

No.	Description	Limitations
1	Pipe fittings	No Limitation.
2	Tube fittings	
3	manifolds	
4	Stainless Steel instrument valves	
5	SS relief valves	size up to 1"

We are looking forward to work with you in the future.

Best regards,

Khaled Saad Al-Rashed
Department Manager
Generation Projects Engineering

5. APPROVAL LETTERS

ADCO

14-JUL-2010 10:24

FROM-

T-151 P.001/001 F-633



Abu Dhabi Company for Onshore Oil Operations (ADCO)

شركة أبوظبي للعمليات البترولية البرية (أدكو)

FACSIMILE

P.O. BOX 270

ABU DHABI, U.A.E.

Ref : F-CS-CC-10-MK-0009-10684

Date : 12 July 2010

To :

Company : Al Rabiya General Trading,
Companies Representation &
Commercial Agencies Co.

Position :

Fax No : 5610488 6769726

ADCO Registration Number: 10684

Page : 1 of 1

Subject :

Pre-Qualification with ADCO as Vendor

We are pleased to inform you that your application for pre-qualification with ADCO as a vendor has been accepted and pre-qualified for the following products:

Manf. Code	Manufacturer Name	PG Code	Product Group Description
009103	Hy-Lok Corporation / (Hyup Dong)	516525	Miscellaneous : Manifold Valves
		771605	Manifolds, Gauge & Needle Valves
		771610	Valve, Double Block & Bleed

As such, your company is pre-qualified and eligible to be considered for participating in ADCO's tenders. The inclusion of your name does not constitute an obligation on ADCO to invite you for any of its tenders.

Regards,


Commercial Services Manager

Note: Please keep ADCO informed of any changes in your business status.

5. APPROVAL LETTERS

ADGAS

17-JUN-2009 13:13 FROM ADGAS

TO 96769726

P.01/02

FACSIMILE MESSAGE



ABU DHABI GAS LIQUEFACTION COMPANY LTD
 P. O. Box 3500, ABU DHABI, U. A. E. FAX NO. (9712) 6061201

In case of transmission error, please call (9712) 6065412

To		From		Pages: 2
FAX NUMBER	: 02-6769726	FAX NUMBER	: 02-6061201	
NAME	: MR. MOHAMMED ANWAR-UI QUADIR	NAME	: MR. SULTAN AL NEAIMI	
TITLE/DEPT	: PRODUCT MANAGER	TITLE	: HEAD OF SUPPORT SERVICES	
COMPANY	: AL-RABYAH GENERAL TRADING EST.	COMPANY	: ADGAS	
		REF/DATE	: AD. 128/223 17 June 2009	

SUBJECT: Registration No: 103996

Reference to your letter 09/MAQ/3105/HL-ADGS-09 dated 31 May 2009, the following Manufacturer/Products has been included in our database system as a possible source for supply of items as indicated below.

Manufacturer	Product	Description
Hy-Lok Corporation - Korea	116505	TUBES: CARBON STEEL SEAMLESS / WELDED
	116510	TUBES: SS /ALLOY STEEL SEAMLESS /WELDED
	116515	TUBES: ALUMINIUM / BRASS
	180580	FITTINGS:CS/AS/SS (FORGED SOCKET WELD/THREADED
	184590	VALVES : DOUBLE-BLOCK
	184595	VALVES : BLEED
	326505	FITTINGS: COMPRESSION
	326590	INSTRUMENT VALVES AND MANIFOLDS

We also attached herewith a vendor details as depicted in our data base system.

Sultan AL Neaimi

5. APPROVAL LETTERS

ADMA OPCO

10 Dec 09 01:38p

(ARTE) - ABU DHABI, U.A.E

+971-2-6769726

p.1

10 Dec 2009 11:54

P. 01/01

Abu Dhabi Marine Operating Company (ADMA-OPCO)
 P.O.Box 303, Abu Dhabi, United Arab Emirates
 Telephone (9712) 6060000, Fax (9712), 6266005, Telex 22284 ADMA EM



Facsimile Transmission

Total Number of Pages (Including this sheet)	1	Our Ref:	CP/DEC / 3729 / # 10400
		Your Ref:	09/MAQ/1101/HL-ADMA

To:		From:	
Fax No. :	6769726	Fax No. :	606 4261
Country :	Abu Dhabi, UAE	Name :	Aboobaker Mohammed
Name :	Mr. Mohammed Anwar	Title :	CD / Reg. & Prog. Officer
Title :	Product Manager	Telephone :	6065065
Telephone :	6769724	Div./Dept. :	Comm./Planning & Dev. Team
Company :	Al Rabyah General Trading Est	Date :	10 th December 2009
Vendor # :	10400	Internal Dist. :	ID-DML, DED-ESQASL, PMTL

Please indicate the Vendor No. in all your correspondence.

Subject:	Prequalification of Principal : HY- LOK Corporation , Korea	Authorisation
Offered Product :	Instrument tubing and valves as shown below	

Facsimile Message

With reference to your prequalification submittal for the subject Principal we wish to advise you that your Principal has been approved and included in our bidder list to provide the following products.

- PG 3817- Tubing Instrument,
- PG 3847- Valve Instrument,
- PG 1886- Manifold Valve,
- PG 3842- Valve double block and bleed,
- PG 2552- Valve Ball

Please note that this approval does not constitute an obligation to invite you to bid any of ADMA-OPCO's future tenders.

You are requested to collect your submitted document from the undersigned from 5th floor of ADMA-OPCO HQ Building within one week of this fax

Regards

Aboobaker Mohammed
 R&P Officer
 Tel 6065065

5. APPROVAL LETTERS

ADNOC

أدنوك
ADNOC

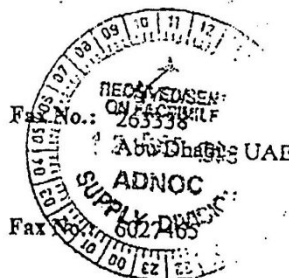


شركة نفط أبوظبي الوطنية

FACSIMILE MESSAGE

To : M/s. Bin Mossa Group
Attn.: General Manager

From : Procurement Support Department Supply Division



Abu Dhabi National Oil Company (ADNOC)
P.O. Box 898 - Tel. (9712) 6020000 Abu Dhabi U.A.E.

Ref No. : SDS/234/S-385/96/12

Subject : REGISTRATION & PRE-QUALIFICATION

Date : 12 DEC 1996

With reference to your Principal's fax No. hkappr.002 dated 11.11.96, please be informed that based on evaluation of your Principal's Prequalification Document, M/s. Hyup Dong Metal Ind. Co. Ltd, Korea has been registered in our records as a possible source for supply of the following:

1. Instrument Valves & Manifolds
2. Instrument Bulk Material

Please note that at the time of release of enquiries, a further short listing takes place based on exhibited interest at that time and the specifics of material/equipment in question as the need may be.

Please quote your Principal's Registration No. P-042660 in all future correspondence.

Regards,

Toufic Allaf
Procurement Support Superintendent

*If you do not receive all the pages,
please call Telephone : 6027214*

No. of pages to follow:

5. APPROVAL LETTERS

GASCO

	ABU DHABI GAS INDUSTRIES LTD. (GASCO)	PROJECT VENDORS	REV. 03
	PROJECT PROCUREMENT & CONTRACTS DEPT.	LIST FOR	JUNE 2010
	PROJECTS CONTROL DIVISION	MAJOR GOODS	PAGE 1 / 48



**PROJECT VENDORS LIST
FOR
MAJOR GOODS**

APPROVED BY:



14/7/2010

MOHAMMED A. SAHOO AL SUWAIDI

CHIEF EXECUTIVE OFFICER

Handwritten initials and date
13/7

Disclaimer :

This document is confidential and is the sole property of GASCO. GASCO's authorized Contractor's, Consultant's and other entities shall disclose and use this document on need to know basis only.

5. APPROVAL LETTERS

TAKREER

24-JAN-2010 15:41 FROM 026027442

TO 96769726

P.01/01



We Refine Right

FACSIMILE MESSAGE

To : M/s. Al Rabyah General Trd., Companies Rep. &
Commercial Agencies Est.
Attn.: General Manager

Fax No.: 6769726

Abu Dhabi

From : Procurement Support Department Manager

Fax No.: 6027442

Abu Dhabi Oil Refining Company (TAKREER)
P.O. Box 3593 - Tel. (9712) 6027000 - Abu Dhabi, U.A.E.

Ref. No. : TKR/5/S/157 /FES/2010

Date : 24 JAN 2010

Subject : REGISTRATION & PRE-QUALIFICATION STATUS

Reference to the Documents of your Principal **M/s. Hy-Lok Corporation - Korea**, submitted by you as a *Manufacturer*. Please be informed that based on the evaluation, the above principal has been included in TAKREER records as a possible source for supply of the following products:

- Valves: Bleed
- Valves : Needle
- Safety Relief Valves
- Valves: Double Block
- Fittings: Compression
- Instrument Valves & Manifolds
- Instrumentation - Bulk Materials
- Valves: Gate/Globe/Check Up to 2.0"

Please note that at the time of release of enquiries, a further short listing takes place based on exhibited interest at that time and the specifics of material / equipment in question as the need may be.

You are advised to quote your Principal's Registration No. **905392** in all future correspondence.

Regards,

Hashim Al Hashemi

If you do not receive all the pages,
please call Telephone : (9712) 6027479

No. of pages to follow:

Confidentiality Notice: This fax is Confidential. If you are not the intended recipient, please notify us immediately. You should not copy the Fax or use it for any purpose or disclose its contents to any other person. Thank you.

FA. 905392

TOTAL P.01

6. PRINCIPAL SUPPLY RECORDS

OIL & GAS

COMPANY	PROJECT	EPC	SITE	DELIVERY	PRODUCTS
ADCO	Al Dabbiya Project	Tecnimont	UAE	2016	Tube Fitting, Pipe Fitting, Instrument Valve, Instrument Manifolds, Double Block & Bleed Valve
	TIE-IN Project Package B	DESCON	UAE	2016	Double Block & Bleed Valve
	TIE-IN Project Package A	AL ASAB	UAE	2016	Tube Fitting, Pipe Fitting, Double Block & Bleed Valve
	Rumaitha & Shanayel Phase III	GS E&C / Dodsai E&C Pte. Limited	UAE	2015	Tube Fitting, Flange Adapter, Pipe Fitting, Tube, Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds
ADGAS	IGD-Das Island Project	HHI	UAE	2011	Tube Fitting, Double Block & Bleed Valve
ADMA OPCO	NASR Field Development Phase II PKG-3	CCEL	UAE	2016	Tube Fitting, Pipe Fitting, Instrument Manifolds, Double Block & Bleed Valve
	NASR Field Development Phase II PKG-2	HHI	UAE	2016	Tube Fitting, Pipe Fitting, Air Manifold, Double Block & Bleed Valve, Ball Valve, Instrument Valve, Flushing Ring, Instrument Manifolds
	NASR Field Development Phase II PKG-1	NPCC	UAE	2016	Tube Fitting, Pipe Fitting, Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds
	Umm Lulu Package-2	NPCC / Technip	UAE	2015	Tube Fitting, Flange Adapter, Pipe Fitting, Air Manifolds, Flange, Tube, Instrument Valve, Double Block & Bleed Valve, Ball Valve
	Umm Lulu Package-1	NPCC	UAE	2014	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Pipe Fitting
	SARB Package 4	HDEC	UAE	2014	Tube Fitting, Pipe Fitting, Instrument Valve, Instrument Manifolds, Ball Valve, Double Block & Bleed Valve, Tube
	NASR Phase 1 Field Development	PETRONASH / L&T	UAE	2013	Tube Fitting, Pipe Fitting
	Umm Shaif Facilities Project	HHI	UAE	2009	Tube Fitting, Instrument Valve, Ball Valve, Double Block & Bleed Valve, Instrument Manifolds, Pipe Fitting
	BP	BP Quad 204 FPSO	HHI	UK	2014
CHEVRON	Lianzi Development Project	KBR	Congo	2014	Double Block & Bleed Valve
	Mafumeira Sul Fixed Platform	DSME	Angola	2013	Double Block & Bleed Valve
	Chevron Jack & St.Malo FPU Hull	SHI	USA	2012	Ball Valve
	Takula Gas Processing Platform	SHI	Angola	2007	Instrument Valve, Ball Valve, Double Block & Bleed Valve
	EGP 3A Platform	HHI	Nigeria	2006	Instrument Valve, Ball Valve, Double Block & Bleed Valve, Tube
	Agbami FPSO	DSME	Nigeria	2005	Instrument Valve, Ball Valve, Double Block & Bleed Valve, Instrument Manifolds, Tube
ENI	Zubair Oil Field Development Project	SECL	Iraq	2016	Tube Fitting, Air Manifolds, Flushing Ring, Tube, Double Block & Bleed Valve, Instrument Valve, Instrument Manifolds
	Jangkrik FPU	HHI	Indonesia	2015	Tube Fitting, Pipe Fitting, Tube, Ball Valve, Instrument Valve, Instrument Manifolds
	Goliat FPSO	HHI	Norway	2012	Ball Valve, Double Block & Bleed Valve
EXXONMOBIL	East Area EPC-1B	HHI	Nigeria	2006	Instrument Valve, Double Block & Bleed Valve
	East Area EPC - 1A	Technip/SHI	Nigeria	2004	Instrument Valve, Double Block & Bleed Valve
	Kizomba "B" FPSO	HHI	Angola	2003	Instrument Valve, Tube
	Sable Tier 2 Compression Platform	DSME	Canada	2004	Ball Valve, Double Block & Bleed Valve, Tube
	Sakhalin-1DC-1	HHI	Russia	2003	Instrument Valve, Instrument Manifolds
INPEX	Ichthys FPSO Project	DSME	Australia	2013	Double Block & Bleed Valve
	Ichthys CPF Project	SHI	Australia	2013	Double Block & Bleed Valve
KOC	New Water Centre	GS E&C	Kuwait	2017	Double Block & Bleed Valve
	New Gathering Centre 31 (GC-31 Project)	Dodsai E&C Pte. Limited	Kuwait	2017	Tube Fitting, Instrument Valve, Instrument Manifolds
	New Gathering Centre 30 (GC-29 Project)	L&T	Kuwait	2016	Tube Fitting
	New Gathering Centre 29 (GC-29 Project)	Petrofac	Kuwait	2016	Tube Fitting, Pipe Fitting, Tube, Double Block & Bleed Valve, Instrument Valve
	New Gathering Centre 24 (GC-24 Project)	SK E&C	Kuwait	2008	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube
	New Booster Station BS-171 Project	Saipem India	Kuwait	2014	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
PETRONAS	Petronas FLNG #2	SHI	Malaysia	2015	Tube Fitting, Tube, Pipe Fitting, Instrument Manifolds
	Petronas FLNG #1	DSME	Malaysia	2013	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Cryogenic Valve, Pipe Fitting
POGC	South Pars #22,23,24 Offshore Facilities	SADRA	Iran	2011	Tube Fitting, Double Block & Bleed Valve, Tube, Pipe Fitting
	South Pars #20,21 Offshore Facilities	IOEC	Iran	2012	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Tube, Pipe Fitting
	South Pars #19 Offshore Facilities	IOEC	Iran	2012	Tube Fitting, Instrument Valve, Ball Valve, Double Block & Bleed Valve, Instrument Manifolds, Tube, Pipe Fitting
	South Pars #17,18 Offshore Facilities	SADRA / IOEC	Iran	2011	Tube Fitting, Double Block & Bleed Valve, Tube, Pipe Fitting
	South Pars #15,16 Offshore Facilities	SAFF / ISOICO	Iran	2008	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Tube, Pipe Fitting
South Pars #14 Offshore Facilities	ISOICO	Iran	2011	Double Block & Bleed Valve	

6. PRINCIPAL SUPPLY RECORDS

OIL & GAS

COMPANY	PROJECT	EPC	SITE	DELIVERY	PRODUCTS
POGC	South Pars #13 Offshore Facilities	SADRA	Iran	2011	Tube Fitting, Ball Valve, Double Block & Bleed Valve, Tube, Pipe Fitting
	South pars #12 Offshore Facilities	IOEC	Iran	2010	Tube Fitting, Instrument Valve, Ball Valve, Tube, Pipe Fitting
	South Pars #9,10 Offshore Facilities	GS E&C / OIEC / IOEC	Iran	2005	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds, Tube, Pipe Fitting
	South Pars #6,7,8 Offshore Facilities	TEC / IDRO / JGC / DAELIM	Iran	2005	Tube Fitting, Pipe Fitting, Tube, Instrument Valve
	South Pars #4,5 Offshore Facilities	Agip/HDEC	Iran	2003	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds, Tube, Pipe Fitting
	South Pars #2,3 Offshore Facilities	TotalFinaElf / HDEC	Iran	2000	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	South Pars #1 Offshore Facilities	SADRA/SHI	Iran	2001	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
	South Pars #22,23,24 Onshore Facilities	Petrokish	Iran	2011	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Tube, Pipe Fitting
	South Pars #20,21 Onshore Facilities	OIEC	Iran	2012	Tube Fitting, Instrument Valve
	South Pars #17,18 Onshore Facilities	IPMI	Iran	2011	Double Block & Bleed Valve
	South Pars #14 Onshore Facilities	IPMI	Iran	2012	Double Block & Bleed Valve
	South Pars #15,16 Onshore Facilities	Biffi / Petrokish	Iran	2011	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Tube
	South Pars #13 Onshore Facilities	Petrokish	Iran	2011	Double Block & Bleed Valve
	South Pars #12 Onshore Facilities (EPC-2)	DAELIM	Iran	2011	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds, Tube, Pipe Fitting
	South Pars #12 Onshore Facilities	NARGAN	Iran	2011	Tube Fitting, Tube
South Pars #6,7,8 Onshore Facilities	JITD-JV	Iran	2011	Tube Fitting, Instrument Valve, Tube	
RASGAS	Flow Assurance Project	HHI	Qatar	2014	Double Block & Bleed Valve, Ball Valve
	BARZAN Gas Platform & Pipe line Project	HHI	Qatar	2012	Ball Valve, Double Block & Bleed Valve, Pipe Fitting
SAUDI ARAMCO	Wasit Inlet & Gas Processing Project (Package #1)	SK E&C	Saudi Arabia	2012	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
	PPD/KHUFF GAS PROJECTS	ABB	Saudi Arabia	2002	Tube Fitting, Pipe Fitting
SHELL	Sakhalin 2 Platform Project	SHI	Russia	2005	Double Block & Bleed Valve, Tube
	Soroosh & Nowrooz Integrated Development Platform	HHI	Iran	2004	Instrument Valve, Instrument Manifolds
	NAKIKKA SEMI FPU	HHI	USA	2003	Instrument Valve, Tube
SONATRACH	ZCINA Project	Dodsai	Algeria	2016	Tube Fitting, Air Manifolds, Tube, Double Block & Bleed Valve
	CAFC(Central Area Field Complex) PROJECT	DAEWOO	Algeria	2015	Tube Fitting, Pipe Fitting, Double Block & Bleed Valve, Instrument Valve
STATOIL	STATOIL JACKUP RIG #2	SHI	Norway	2014	Tube Fitting, Pipe Fitting, Instrument Valve, Ball Valve
	STATOIL JACKUP RIG #1	SHI	Norway	2014	Tube Fitting, Instrument Valve, Ball Valve, Pipe Fitting
TEEKAY PETOROJARL	TEEKAY FPSO	SHI	Norway	2012	Tube Fitting, Ball Valve, Double Block & Bleed Valve, Tube, Pipe Fitting
TOTAL	Badamyar Wellhead Platform Project	HHI	Myanmar	2015	Tube Fitting, Injection Quill, Pipe Fitting, Tube, Ball Valve, Double Block & Bleed Valve, Instrument Valve
	Egina FPSO	SHI	Nigeria	2015	Ball Valve, Double Block & Bleed Valve, Instrument Valve, Flange
	Martin Linge Platform	SHI	Norway	2014	Double Block & Bleed Valve
	MOHO NORD FPU	HHI / HSHI	Congo	2014	Double Block & Bleed Valve, Injection Quill, Air Manifold, Instrument Valve
	MOHO NORD TLP	HHI	Congo	2014	Double Block & Bleed Valve
	CLOV FPSO Project	DSME	Angola	2011	Instrument Valve, Ball Valve, Double Block & Bleed Valve, Instrument Manifolds, Air Manifold
	Bongkot Field Phase 4A	HHI	Thailand	2009	Double Block & Bleed Valve
	OFON Field Development Phase-2 PJT	HHI	Nigeria	2009	Double Block & Bleed Valve, Tube
	Pazflor FPSO	DSME	Angola	2009	Instrument Valve, Double Block & Bleed Valve, Tube
	USAN FPSO PJT	HHI	Nigeria	2009	Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds
	AKPO FPSO	HHI	Nigeria	2006	Instrument Valve, Double Block & Bleed Valve, Tube
	Moho Bilondo FPU Project	HHI	Congo	2006	Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds, Tube
	Bongkot Field Development #3b	HHI	Thailand	2000	Double Block & Bleed Valve
	ZADCO	Upper Zakum 750 Project	DSME	UAE	2014

6. PRINCIPAL SUPPLY RECORDS

REFINERY & PETROCHEMICAL

COMPANY	PROJECT	EPC	SITE	DELIVERY	PRODUCTS
IRPC PUBLIC COMPANY LIMITED	IRPC UHV Project	SK E&C	Thailand	2014	Pipe Fitting, Tube
KNPC	Clean Fuel Project PKG 3 - MAB 2	Fluor, HHI, Daewoo	Kuwait	2015	Tube Fitting, Flange Adapter, Tube, Monoflange Valve, Instrument Valve, Instrument Manifolds, Air Manifold
	Clean Fuel Project PKG 2 - MAB 1	Petrofac, CB&I, SECL	Kuwait	2015	Tube Fitting, Flange Adapter, Pipe Fitting, Tube, Instrument Valve, Monoflange Valve, Manifold Valve
	Clean Fuel Project PKG 1 - MAA	JGC, GS E&C, SK E&C	Kuwait	2015	Tube Fitting, Tube, Air Manifold, Instrument Valve, Instrument Manifolds
Laffan Refinery Company	Laffan Refinery II Project	CTCI & CHIYODA JOINT VENTURE	Qatar	2014	Tube Fitting, Tube
Luberef	Luberef Yanbu Refinery Expansion Project	SECL	Saudi Arabia	2013	Tube Fitting, Tube
NSRP	NSRP Project	SK E&C, GS E&C, JGC, Technip, Chiyoda	Vietnam	2015	Tube Fitting, Instrument Valve, Tube, PI Tube, Air Manifold, Pipe Fitting, Ball Valve
ORIPC	Sohar Refinery Improvement Project	DAELIM	Oman	2015	Air Manifold, Tube, PI Tube, Instrument Valve
Ruwais Fertilizer Industries	Fertil -2 Ammonia Urea Complex	SECL	UAE	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
Aramco & Sumitomo Chemical	Rabigh II Project UO 1	GS E&C	Saudi Arabia	2014	Tube Fitting, Mono Flange, Tube, Pipe Fitting
SAUDI ARAMCO	Yanbu Export Refinery #1	Tecnicas Reunidas	Saudi Arabia	2016	Tube Fitting
	Yanbu Export Refinery #4	DAELIM	Saudi Arabia	2012	Tube Fitting, Instrument Valve, Pipe Fitting
	Yanbu Export Refinery #3	DAELIM	Saudi Arabia	2012	Tube Fitting, Instrument Valve Ball Valve
	Yanbu Export Refinery #2	SK E&C	Saudi Arabia	2012	Tube Fitting, Instrument Valve, Tube
	Jazan Refinery & Terminal Project EPC-2	Petrofac	Saudi Arabia	2015	Tube Fitting, Sampling System, Pipe Fitting, Tube, Instrument Valve
	Jazan Refinery and Terminal Project (PKG #9)	SK E&C	Saudi Arabia	2015	Tube Fitting, Tube, Flush Ring, Instrument Valve
SOCAR	SOCAR Ammonia and Urea Complex Project	SECL	Azerbaijan	2016	Tube Fitting, Pipe Fitting, Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds, Flushing Ring
SONATRACH	Arzew Refinery Renabilitation & Adaptation PJT	Hanwha / HEC	Algeria	2010	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Skikda Refinery Renabilitation & Adaptation PJT	SECL	Algeria	2010	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
TAKREER	Carbon black & Delayed Coker Project	SECL	UAE	2013	Tube Fitting, Instrument Valve, Tube, Pipe Fitting, Instrument Manifolds
	Ruwais Refinery Expansion - PKG7	GS E&C	UAE	2011	Tube Fitting, Instrument Valve, Ball Valve, Tube
	Ruwais Refinery Expansion - PKG4	Daewoo	UAE	2011	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
	Ruwais Refinery Expansion - PKG3	SECL	UAE	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Ruwais Refinery Expansion - PKG2	GS E&C	UAE	2011	Tube Fitting, Instrument Valve, Tube
	Ruwais Refinery Expansion - PKG1	SK E&C	UAE	2011	Tube Fitting, Tube, Pipe Fitting
	Group 3 Base Oil Production Facilities	HDEC	UAE	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Green Diesel Project	GS E&C	UAE	2009	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
UZ-KOR GAS CHEMICAL LLC	UGCC Ethylene Plant	GS E&C	Uzbekistan	2014	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
	UGCC GSP AND POLYMER PROJECT	SECL	Uzbekistan	2014	Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	UGCC U&O	HEC	Uzbekistan	2013	Tube Fitting, Instrument Valve, Tube, Pipe Fitting

6. PRINCIPAL SUPPLY RECORDS

POWER PLANT

COMPANY	PROJECT	EPC	SITE	DELIVERY	PRODUCTS
Bechtel	River Protection Project (Waste Treatment Plant)	Northwest Process Control	USA	2004	Tube Fitting, Instrument Valve, Double Block & Bleed Valve, Instrument Manifolds, Pipe Fitting
Cirebon Electric Power	Cirebon TPP	Doosan	Indonesia	2009	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
DEWA	Jebel Ali M Station Power Plant	Doosan	UAE	2008	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
EDEPC	Ain Sokhna	Doosan	Egypt	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
EGAT	GHECO-ONE Coal Based Power Plant	Doosan	Thailand	2009	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
ENEC	Barakah Nuclear Power Plant Units 3 and 4	KEPCO E&C	UAE	2012	Instrument Valve, Instrument Manifolds, Pipe Fitting
	Barakah Nuclear Power Plant Units 1 and 2	KEPCO E&C	UAE	2012	Tube Fitting, Instrument Valve, Instrument Manifolds, Pipe Fitting
ENERJISA	Tufanbeyli Thermal Power	SK E&C	Turkey	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
EVN	Vinh Tan 4 Thermal Power Plant	Doosan	Vietnam	2015	Tube Fitting, Instrument Valve, Pipe Fitting, Instrument Manifolds, Tube
	O Mon Thermal Power Plant	DAELIM	Vietnam	2014	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Mong Duong 2 Thermal Power Plant	Doosan	Vietnam	2012	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
GECOL	Al Khalij 4x350MW Power Plant	HDEC	Libya	2010	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
GULF JP	THAILAND Small Power Producer GULF JP	TOYOTA	Thailand	2012	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
Jorf Lasfar Energy Company	Jorf Lasfar Project	Doosan E&C	Morocco	2012	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
MARAFIQ	MARAFIQ IWPP	HHI	Saudi Arabia	2008	Tube Fitting, Instrument Valve, Instrument Manifolds, Pipe Fitting, Double Block & Bleed Valve, Tube
	Marafiq STG #5,6	Hanwha E&C	Saudi Arabia	2011	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
MEW	SABIYA CCGT Power Station	HHI	Kuwait	2010	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Shuwaikh RO Desalination Plant	Doosan	Kuwait	2008	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
MOE	Sabiya Desalination Plant	Doosan	Kuwait	2005	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
NTPC	LARA Thermal Power Plant	Doosan Power System India	India	2015	Tube Fitting, Pipe Fitting, Instrument Valve, Tube, Pipe Fitting, Instrument Manifolds
	Kudgi Super Thermal Power Plant	Doosan Power System India	India	2013	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
	Sipat Thermal Power Plant	Doosan	India	2005	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
Ras Girtas Power	Ras Laffan C IWPP Project	KYEAM	Qatar	2008	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
SAUDI ARAMCO	Jazan IGCC Package-2	Saipem	Saudi Arabia	2016	Tube Fitting, Instrument Manifolds
	Jazan IGCC Package-1	Saipem	Saudi Arabia	2016	Tube Fitting, Instrument Manifolds
SEC	Jeddah South Thermal Power Plant Stage-1	HHI	Saudi Arabia	2014	Tube Fitting, Instrument Valve, Instrument Manifolds, Single Block & Bleed Valve, Tube, Pipe Fitting
	Rabigh 2	Doosan	Saudi Arabia	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Qurayyah Combined Cycle Power Plant	Doosan	Saudi Arabia	2011	Tube Fitting, Instrument Valve, Tube, Pipe Fitting
SIEMENS	SIEMENS Power Turbine Project	SIEMENS	Germany	2008	Tube Fitting, Air Manifold, Instrument Valve, Instrument Manifolds, Double Block & Bleed Valve, Pipe Fitting
SWCC	Yanbu Phase 3 Desalination Plant	Doosan	Saudi Arabia	2014	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Yanbu Phase 2 Desalination Plant	Doosan	Saudi Arabia	2012	Tube Fitting, Pipe Fitting
	Ras Al Khair	Doosan	Saudi Arabia	2012	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Jeddah SWRO-3	Doosan	Saudi Arabia	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
	Ras Az Zawr	Doosan	Saudi Arabia	2011	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
TATA Power	Mundra Ultra Mega Power Plant	Doosan	India	2009	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
TPC	Talin Power Plant Unit 1&2 Renewal Project	TOSHIBA	Taiwan	2014	Tube Fitting, Instrument Valve, Instrument Manifolds, Tube, Pipe Fitting
WEC	Shuaibah IWPP Project	Doosan	Saudi Arabia	2008	Tube Fitting, Instrument Valve, Tube, Pipe Fitting



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