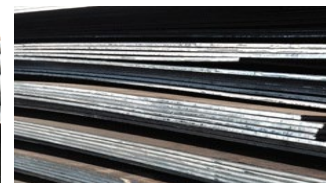
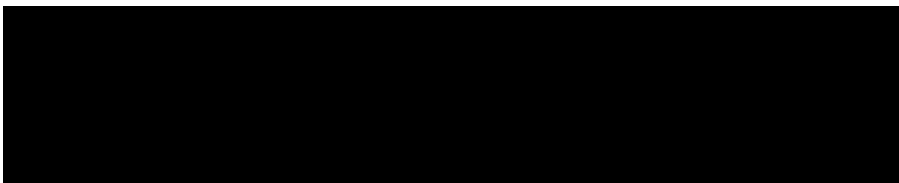




Mar, 2021

Sales Department



DUWON STEEL CO.,LTD.

Solutions for Steel Piping & Bulk Materials

Overview

KNOW HOW

- ▶ 20 Years' Experience
- ▶ A Rapid Growth after Startup in 2011.
- ▶ Total Solution of Steel Products
 - STEEL PLATE , SMLS/SAW PIPES, FITTING / FLANGE / VALVE / GRE, SLUG CATCHER
- ▶ Project Management System
- ▶ Large Scale “Steel Centre” in Busan

VISION

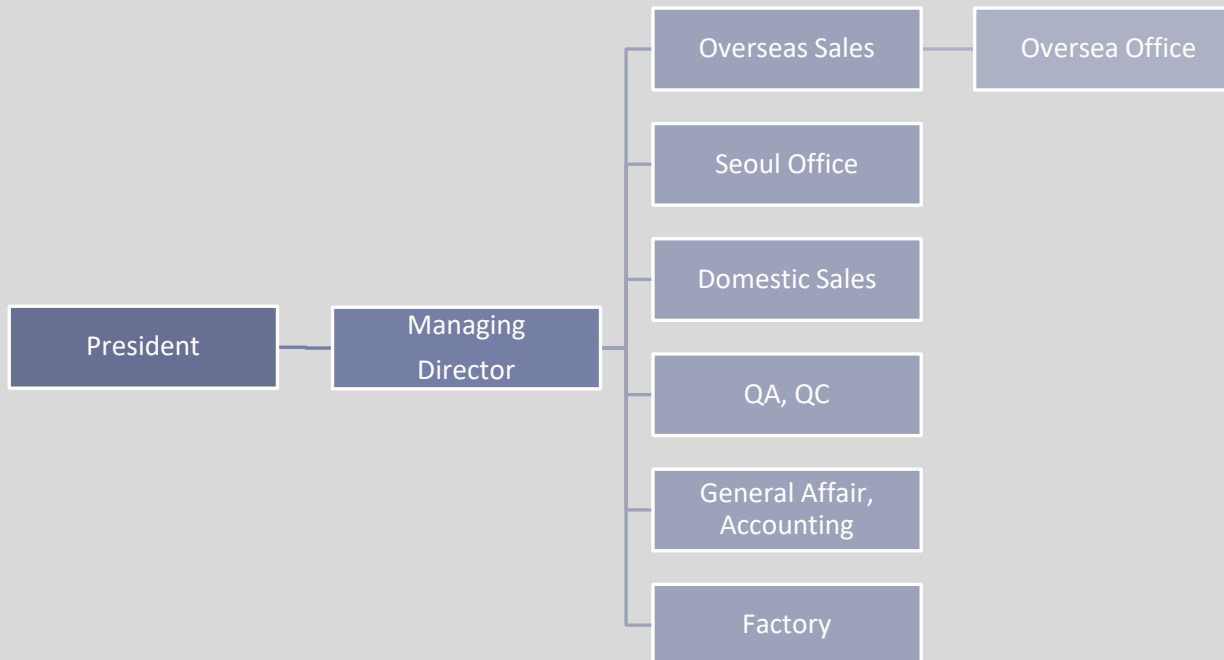
- ▶ Leading Steel Solution

Company Profile

Company Name	: Duwon Steel
Date of Establishment	: 2013
Head Office	: Seoul office, Busan Office
Warehouse	: Busan total 5,000m ²



Organization (Duwonsteel)



Sales Network (Korea)

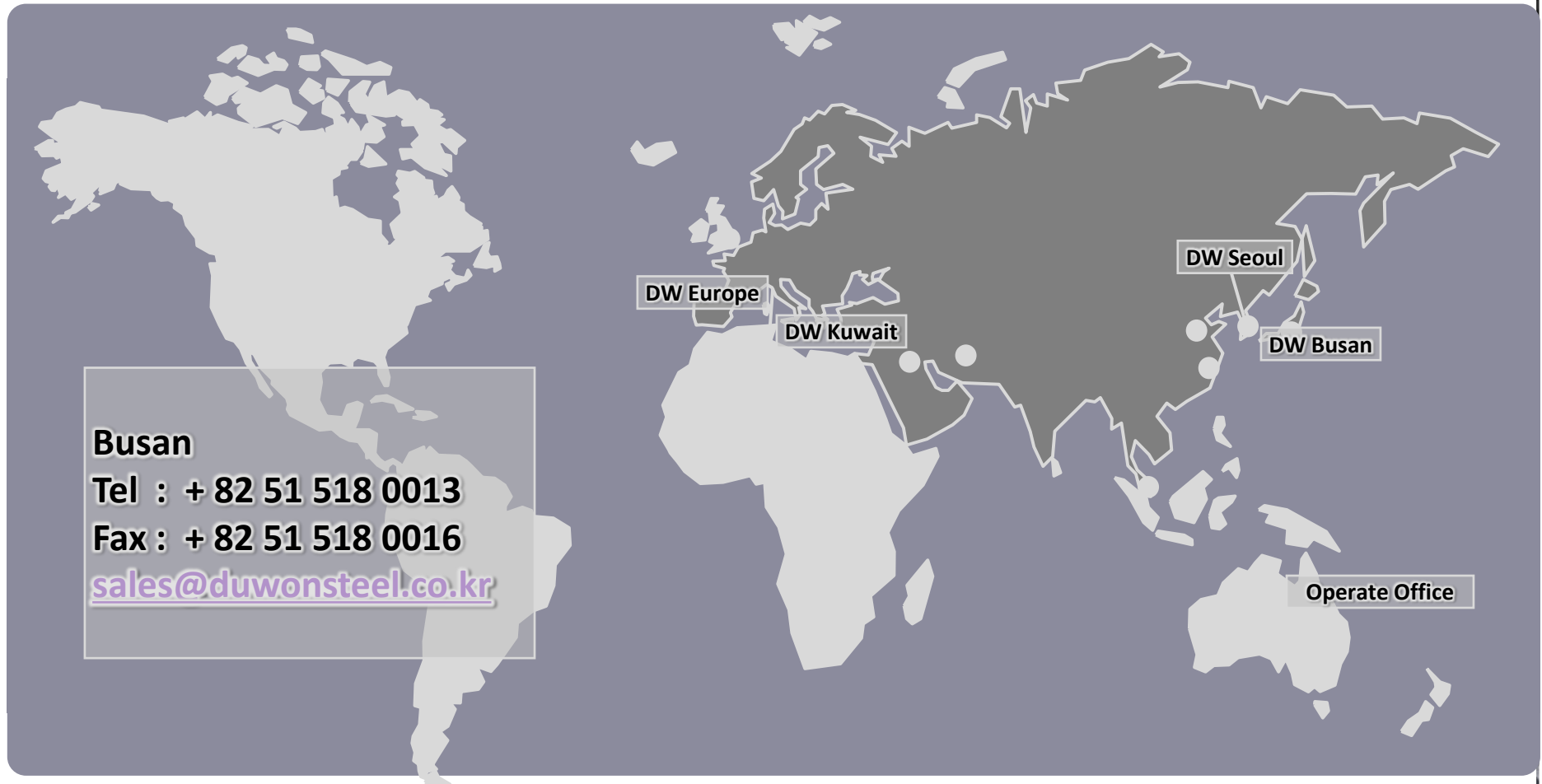


Sales Network (Warehouse)

Steel Product 2000 ~ 3,000MT



Sales Network (Overseas)



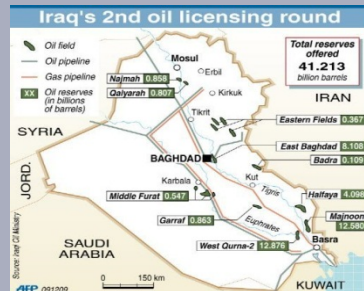
Reference List (Client)



Reference List

Iraq Garraf Gas Treatment Unit

EPC Contractor: STX Heavy Industry, (CS SMLS, Fitting)



Bukpyung Power Plant

EPC Contractor: STX Heavy Industry, (CS SMLS , CS WELD, SS SMLS, SS WELD pipe)



Reference List

울산 PDH

Total Volume : 20Mt – Nickel Alloy SMLS



당진 4호기 바이오매스 발전소

EPC Contractor: GS E&C , Total Volume : 15Mt SS SMLS, WELD pipe



Business Field



Pipes & Piping

STEEL PIPE stock Business (Just In Time Service)

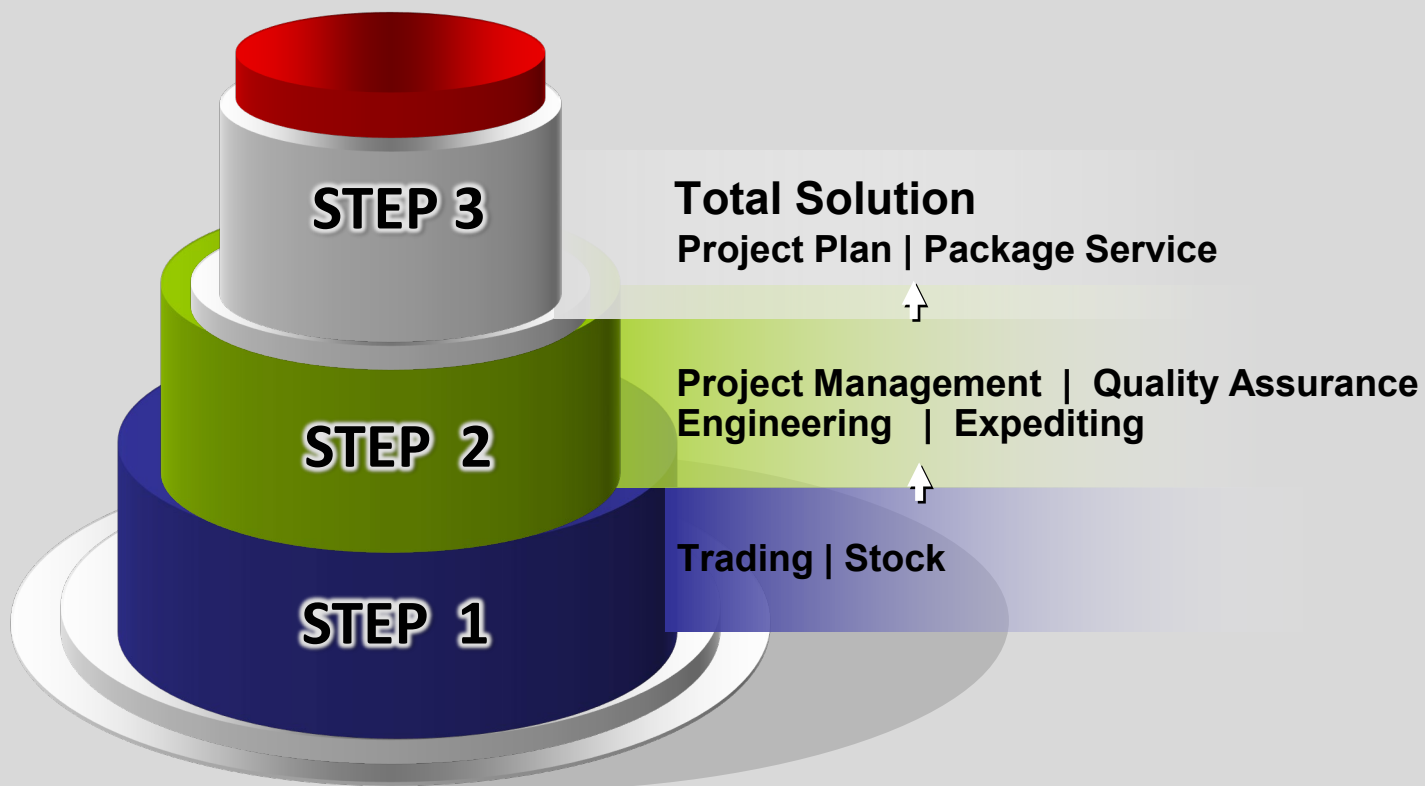
Steel Plate and Shape Steel

Supply steel product for domestic shipyards, steel pipe company

Project Management

Provider & procurement service - Petroleum, refinery, power plant industries, such as plant engineering,

Business Field



Project Management

Business Planning

Business Proposal → Inquiry → Technical Review and Supply Resource → Bidding Contract

OPERATION

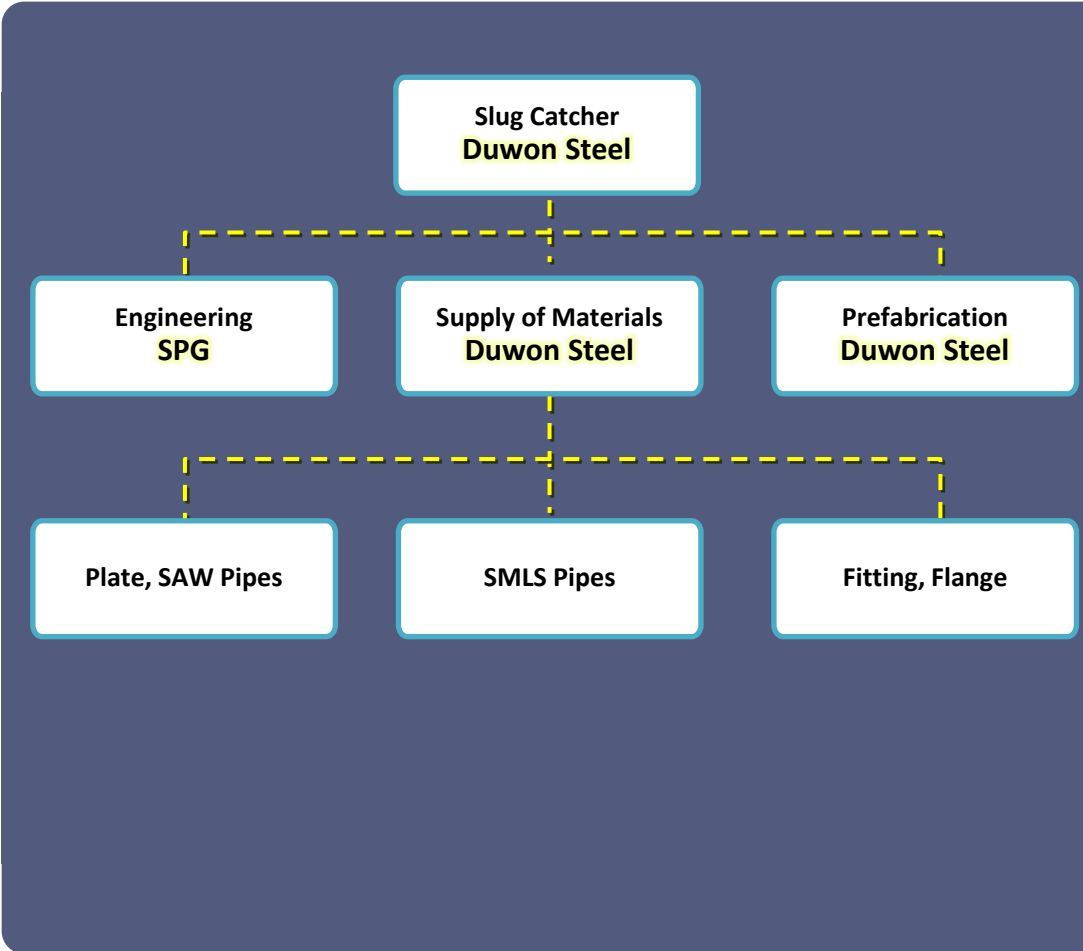
Design, process,
procurement, inspection

Order to Supply Resource → Project Procedure/Document/Production/Delivery → Process Work(PE Coating, Accessories, Color Coding, Packing, Marking) → Inspection/Loading

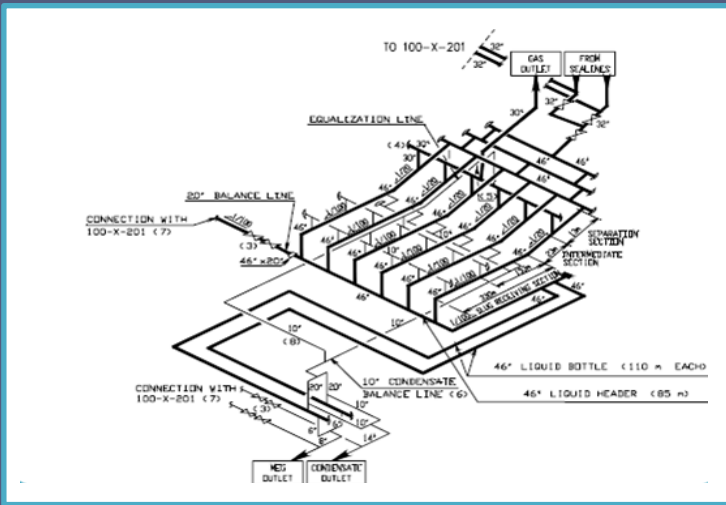
Management Outsourcing

A variety of Suppliers and Products to be provided.

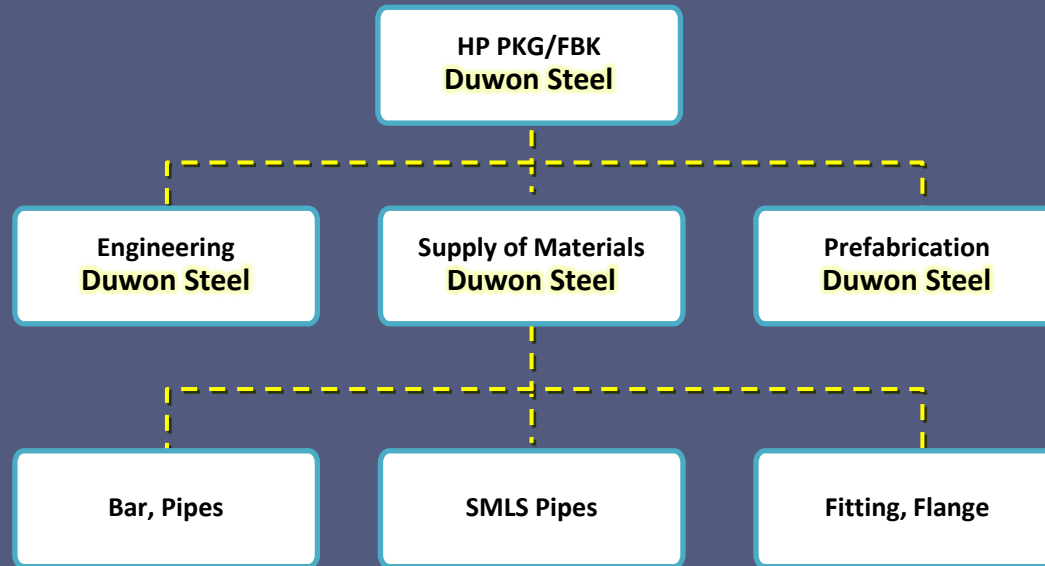
Project Management (Slug Catcher/Spool)



- A. Engineering and Design: SPG(from German).**
- B. Materials: Approved Vander.**
- C. Prefabrication: Duwon Steel**
- D. Duwon Steel : Project Management as Master Vendor.**



Project Management (HP PKG/Fabrication)



A. Engineering and Design: Duwon.

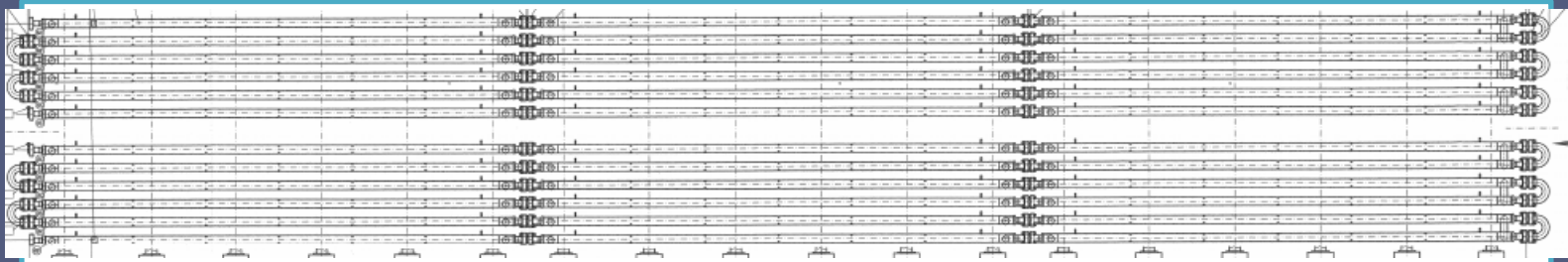
B. Materials: BGH, DEW

C. Prefabrication: Duwon Steel

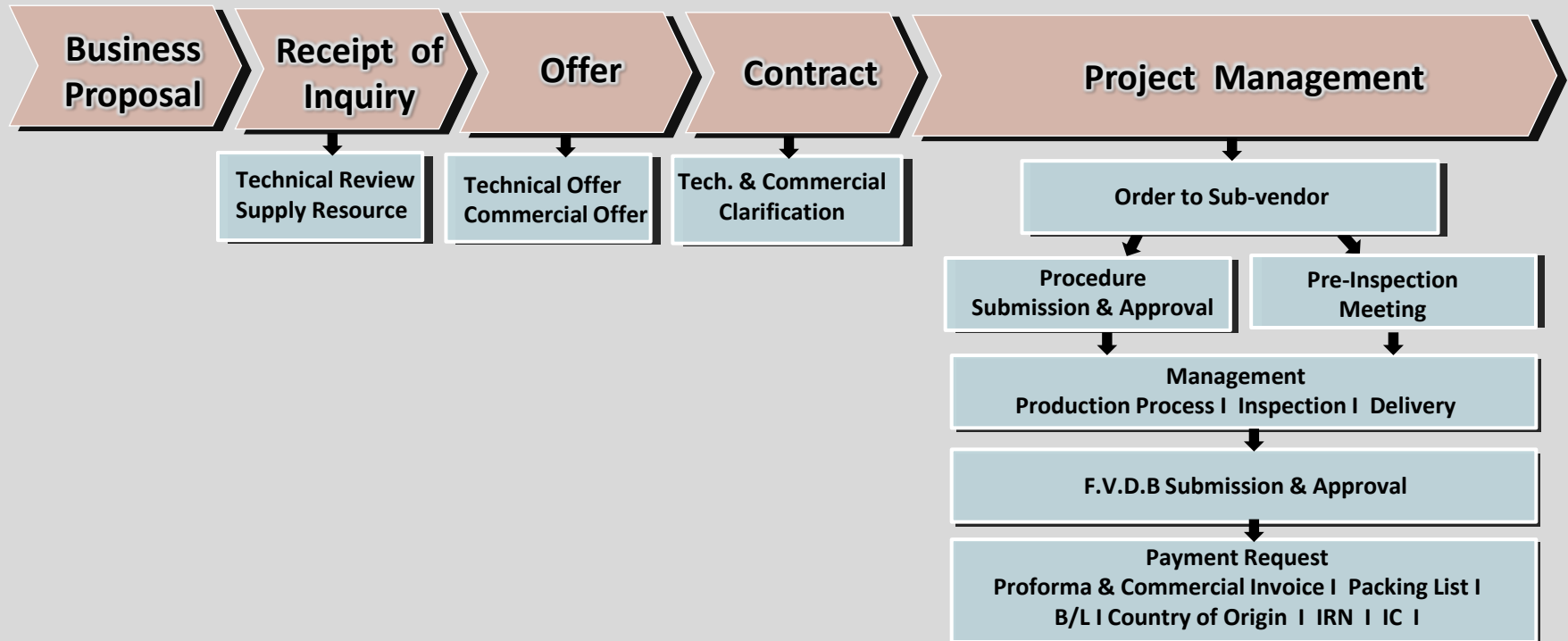
D. Duwon Steel : Project Management as Master Vendor.

Hydrostatic Pressure: 3200 BAR / 20 Bar(Tap)

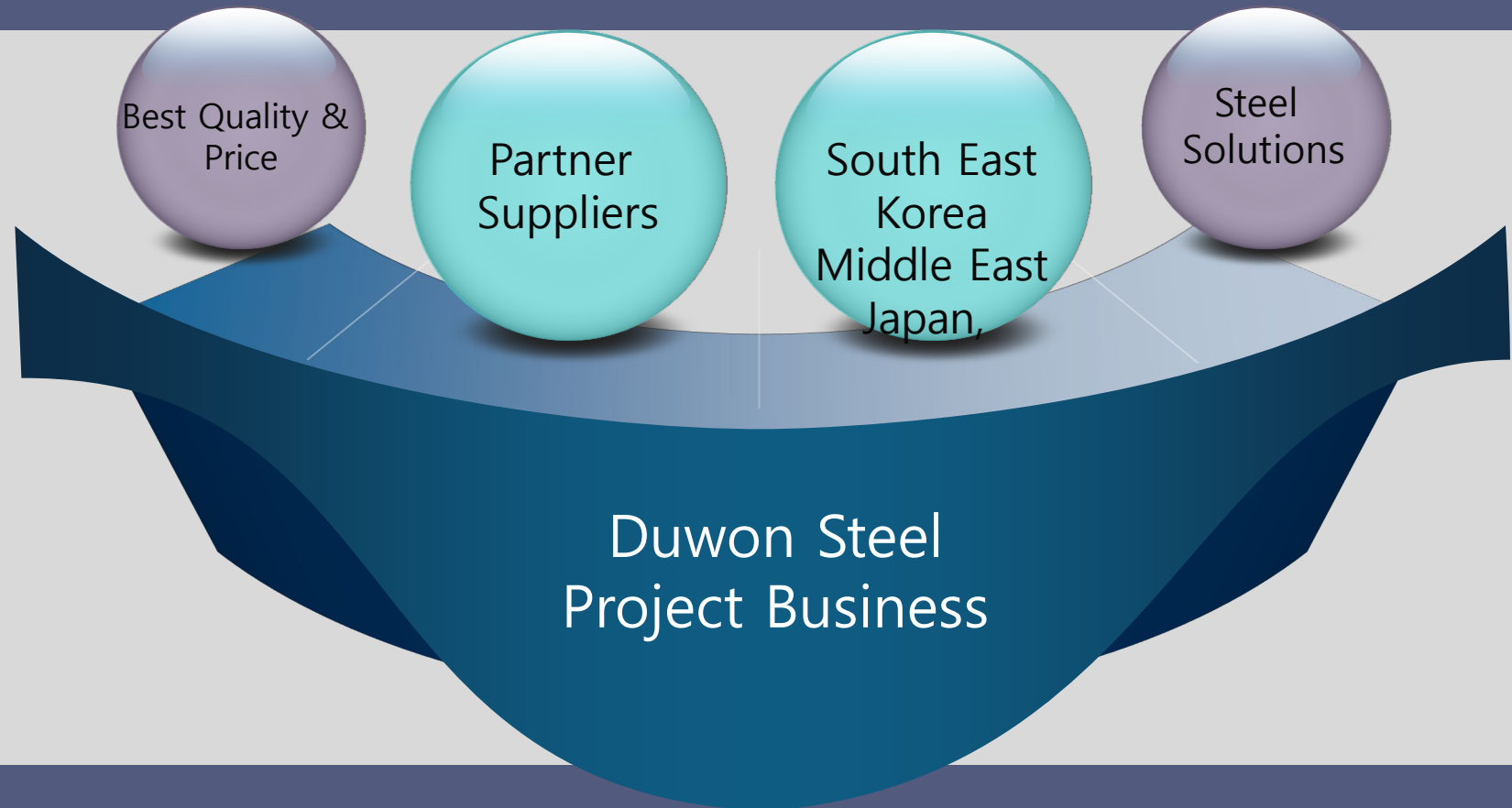
PETROCHEMICAL PLANT: LDPE, EVA



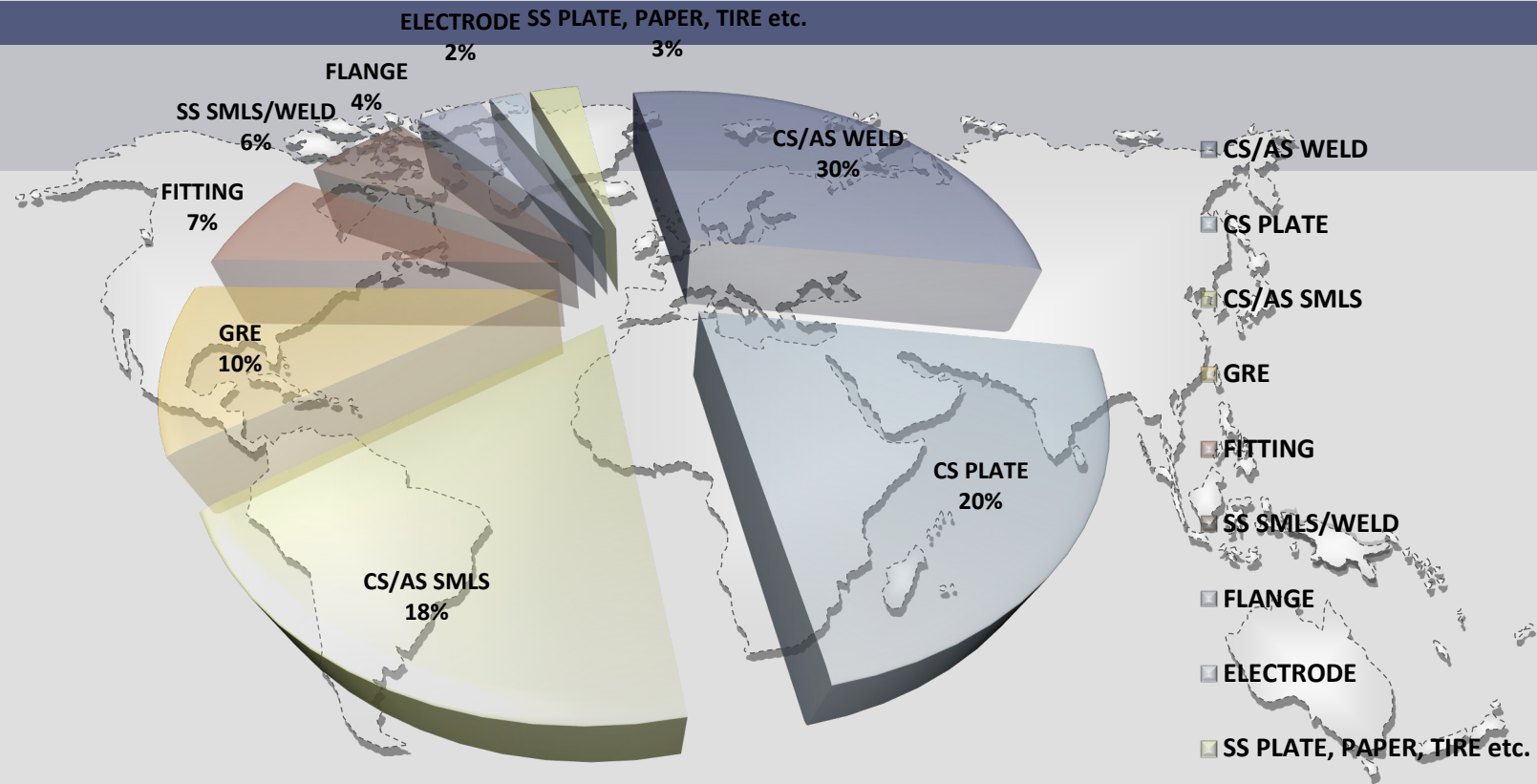
Work Scope



EPC Business



Main Product & Supplier



Main Product & Capacity



Pipe(Upstream)

Type	Grade
Casing/Tubing	AP J55, K55, N80, M65, L80, C90, C95, T95, P110, Q125
Drill Pipe	API 5D/7
Line Pipe	API 5L B/X52/60/65/70
H2S Corrosion Series for Casing & Tubing	BG80/90/95/110/125/140
Super 13 Cr. Service Tubing & Casing	BG80/90/95/110/125/140
Liner	
Casing Accessories	

Main Product & Capacity



Pipe

SEAMLESS	SIZE	WELDED	SIZE		
			LENGTH	DIAMETER	MAX THICKNESS
ASTM A106 A	1/2"~28"	ASTM A672 B55	12.2M	550~2,000mm	30mm
ASTM A106 B		ASTM A672 B60	6.1M	1,050~5,000mm	70mm
ASTM A106 C		ASTM A672 B65			
ASTM A333 1		ASTM A671 CC	4.5M	1,200~αmm	150mm
ASTM A333 3		ASTM A671 CF			
ASTM A333 P5		ASTM A691 5CR	12.2M	406~1,524mm	100mm
ASTM A335 P9		ASTM A691 9CR			
ASTM A335 P11		ASTM A691 1.25CR	6.1M	650~3,048mm	35mm
ASTM A335 P22		ASTM A691 2.25CR			

Main Product & Capacity



PIPE (HIGH ALLOY & CORROSION RESISTANT PRODUCTS)

SEAMLESS				WELDED			
MATERIAL	SIZE	THICKNESS	LENGTH	MATERIAL	SIZE	THICKNESS	LENGTH
STAINLESS	1/4"~16"	0.02"~1.38"	6m~12m	TITANIUM NICKEL ALLOYS COPPER ALLOYS ALUMINUM ALLOYS HASTELLOYS SPECIAL ALLOYS	3.5"~96"	0.065"~3"	6m~12m
SUPER DUPLEX TITANIUM ALLOYS INCOLOY INCONEL HASTELLOYS	1/4"~8"	0.02"~1.38"					

Main Product & Capacity



Fitting

MATERIAL	ITEM	PRODUCTION RANGE	
		MOLD TYPE	FABRICATION
CARBON STEEL ALLOY STEEL STAINLESS STEEL DUPLEX STEEL Ni BASED ALLOY STEEL Cu-ni ALLOY STEEL	ELBOW	94"	158"
	TEE	84"	158"
	REDUCER	48"	158"
	CAP	132"	158"
	FORGED FITTING	~4"	
	OUTLETS	~36"	
	STUB ENDS	~10" : SEAMLESS OVER 10" : WELDED	

Main Product & Capacity



Flange

ITEM	MATERIAL	SIZE	REMARK
WELDING NECK	CARBON STEEL HIGH YIELD CARBON STAINLESS STEEL DUPLEX & SUPER DUPLEX STEEL LOW ALLOY STEEL NICKEL ALLOY	$\frac{1}{2}$ ~ 60" As per ANSI CODE	Above size is possible as per customer's requirement
THREADED			
SLIP-ON			
LAP JOINT			
BLIND			
SOCKET WELDING			

Main Product & Capacity



Plate

THICKNESS	WIDTH	MATERIAL	REMARK
6 ~ 120 mm	1.2 ~ 4.5m	AH32 ~ EH40	SHIPBUILDING
		A515/516 GR 60~70	BOILER & PRESSURE VESSEL
		A387-11 ~ 22	PRESSURE VESSEL(Cr-Mo)
		A203-D,E / A553-1	LOW TEMP PRESSURE VESSEL
		API 5L-A,B X42~70	LINE PIPE
		API-2H GR50 SPI-2W GR50, 50T, 60	OFFSHORE STRUCTURE STEEL

Main Product & Capacity



GRE Pipe

SERIES	JOINING SYSTEM	MAX OPERATING TEMPERATURE		MAX OPERATING PRESSURE		NOMINAL PIPE SIZE	
		C	F	(Bar)	(PSI)	(mm)	(inch)
BONDSTRAND 2000	QL	121	250	16	230	25~400	1~16
BONDSTRAND 2000G	QL	93	200	16	230	25~400	1~16
BONDSTRAND 3400	JTT/KL	93	200	75	1090	50~1000	2~40
BONDSTRAND 4000	QL	121	250	16	230	25~400	1~16
BONDSTRAND 7000	QL	93	200	16	230	25~400	1~16

Main Product & Capacity



Forged

ITEM	O/D	LENGTH	WEIGHT
MAIN SHAFT FOR WIND POWER	MAX Φ 2,500mm	-	MAX 110TON
INNER/OUTER RING FOR PITCH BEARING	MAX Φ 9,000mm	-	MAX 60TON
YAW BEARING	MAX Φ 9,000mm	-	MAX 60TON
PROPELLER SHAFT	-	MAX 18m	MAX 110TON
INTERMEDIATE SHAFT	-	MAX 18m	MAX 110TON
RUDDER STOCK	-	MAX 18m	MAX 110TON
CHANNEL COVER	MAX Φ 6,000mm	MAX 1000m	MAX 110TON
ROUND BAR	MAX Φ 18,000mm	-	MAX 110TON

Main Product & Capacity



Welding Rod

SECTION	AWS	APPLICATIONS
MILD STEEL	E6011, E7010-G, E6012, E6013, E7014, E7016, E7048, E6027, E7024	For welding of pipes, heavy plates, light structural steels, and efficient fillet welding
HIGH TENSILE STRENGTH STEEL	E7048, E7018, E7028, E7016, E8016-G, E8018-G, E9016-G, E9018-G, E9018-M, E10016-G, E10018-M, E11016-G, E11018-M, E12018-M	For tank and highly efficient welding of 50kgf/□ ~55kgf/□ class high tensile strength steel
WEATHER PROOF STEEL	E7016-G, E7018-W, E8016-G, E8018-W, E7028, E7016-G	For welding of 50kgf/□ class high tensile strength weather proof steel
LOW TEMPERATURE SERVICE STEEL	E8016-C4, E8018-C3, E8016-C1, E8016-C2, E7018-1	For welding of low temperature service and 1~3.5% Ni steel
LOW ALLOY HEAT RESISTANCE STEEL	E502-16, E7010-A1, E7016, E7016-A1, E7018-A1, E8016-B1, E505-16, E8016-B2, E8018-B2, E9016-B3, E9018-B3, E8013-B2	For welding of high pressure boiler and Cr-Mo steel
HARDSURFACING	EFe5-B, E CoCr C, E CoCr A, E CoCr B	For corrosion and high temperature abrasion
STAINLESS STEEL	E307-16, E308-16, E308L-16, E308H-16, E309-16, E309L-16, E309 Mo-16, E310-16, E312-16, E316-16, E316L-16, E317L-16, E318-16, E347-16, E410-16, E410NiMo-16, E430-16	For welding of Cr, Ni, Mo stainless steel

Certificate

발급번호 Issuance number	사업자등록증명 Certificate of Business Registration (법인사업자) (Corporate Taxpayer)		처리기간 Processing time
0604-388-2085-693			즉시 Immediately
상호(법인명) Name of company	주식회사 두원스틸 DUWONSTEEL CO., LTD		
사업자등록번호 Business registration number	606-86-47656		
성명(대표자) Name of representative	현승훈 HYEON SEUNGHOON		
주민(법인)등록번호 Resident(Corporation) registration number	180111-0867698		
사업장소재지 Business Address	부산광역시 가락군 장안읍 명례산단5로 77 77, Myeongnyesandan 5-ro, Jang-an-eup, Gijang-gun, Busan, Republic of Korea		
개업일 Date of business commencement	2013년(Year) 07월(Month) 02일(Day)		
사업자등록일 Date of business registration	2013년(Year) 07월(Month) 11일(Day)		
업태 Business type	도소매/제조업 Wholesale and retail trade/Manufacturing		
종목 Business item	철강, 강판 및 배관 부품 Wholesale of Basic Metals 파이프절단 Manufacture of taps, valves and similar products		
공동사업자 Joint business owner	성명(법인명) Name(Name of company) 주민(사업자)등록번호 Resident(Business) registration No. 해당사항 없습니다 (No Data)		
위와 같이 증명합니다. I certify that above information is true and correct to the best of my knowledge and belief. ※ 위 내용은 발급일 현재 상황으로서 추후 변경될 수 있습니다. This information is true as of the issuance date of this certification and but maybe subject to change in the future.			
접수번호 Receipt No.	501627284726		
담당부서 Department	민원봉사실 Taxpayer Service Center		
담당자 Staff in Charge	정윤옥		
연락처 Telephone No.	051-580-6223		

2019 년 11 월 7 일
Year Month Day

금정세무서장 (인)
Head of Geumjeong District Tax Office (Stamp)



ISO 9001:2015

CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT THE
QUALITY MANAGEMENT SYSTEM OF

DUWON STEEL Co., Ltd.

77, Myeongnyesandan 5-ro, Jangan-eup, Gijang-gun, Busan, Korea

Has been assessed and registered as complying with the requirements of the
International Standard shown above for the following Goods and Services. Further
clarifications regarding the scope of this certificate and the applicability of the requirements
of

ISO 9001 : 2015

may be obtained by consulting the certificate issuer.

Wholesaling of Pipe, Plate, Fitting, Flange, Slug Catcher



JAS-ANZ



www.jas-anz.org/register

Seong-Pyo Hong

Seong-Pyo Hong
CEO-CPG KOREA
K.B.N. 105 86 10656

Registration Number: QAC/R82/2828
Original 9001 Registration Date: 10-Apr-2017
Current Registration Date: 10-Apr-2017
Recertification Date: 14-Apr-2020
Expiry Date: 10-Apr-2023
Amendment Date:

Certification Partner Global

An Australian Owned Company
License # 1150/2011 CC (previously known as ISC Global), Building 11, 7th Floor, Bay Square,
Business Bay, Dubai, UAE.

The Status and Validity of this Certificate maybe verified in real time by scanning the adjacent QR Code.

This certificate is valid until the Expiry Date shown on the condition that audits are conducted each year and
paid for as per the Certification Agreement. Should this condition not be met, cancellation procedures will be
initiated, and the cancellation status will be revealed when the QR Code is scanned.

This Certificate remains the property of the Certificate Issuer and must be returned upon request. It must not be
altered in any way. Intentional misuse of this certificate will result in cancellation without prior notification



QAC/R82/2828

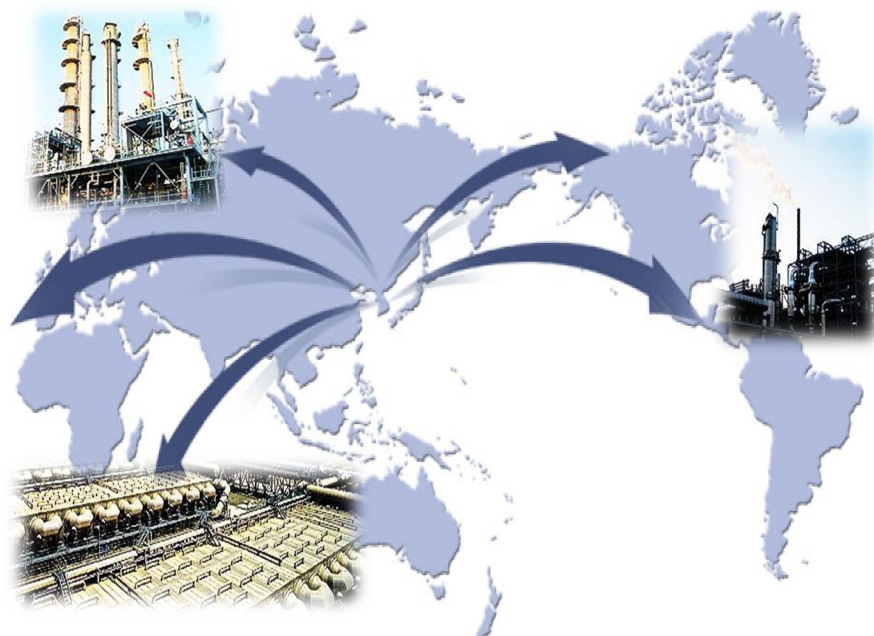
DUWON STEEL CO.,LTD.

Solutions for Steel Piping & Bulk Materials

■ **Head Office / Warehouse**
77 Myeongnye Sandan 5ro,
Jangan-eup, Gijang-gun, Busan,
Korea
Tel 051-518-0013
Fax: 051-518-0016

■ **Seoul office**
#1904 Masters Tower Bldg,
Dohwadong, Mapo-gu, Seoul
Tel: 02-2233-0566
Fax: 02-715-8578

■ **Website**
www.duwonsteel.co.kr



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