

KJS INTERVALVE



Company Overview



50 Years

Of Experience



\$35M

Shareholders' Equity



121

Employees



193,266ft²

Factory Site



600 tons

Casting Capacity / Month



5,000 sets

Assembly Capacity / Month

Company History

1974 Established as Han Sung Steel Ind. Co.

1978 Registered as manufacturer of shipbuilding parts



1985 Renamed to Kuk Jae Steel Ind. Co., Ltd.

1987 Relocated to current location

1988 Approved steel casting manufacturer by Korean Register

1989 Completed factory construction and installation of furnace

1989 Approved steel casting manufacturer by Lloyd's Register and D.N.V. (British and Norwegian)

1992 Approved casting valve manufacturer for nuclear power plants by Ministry of Science and Tech.

1993 ISO 9001 certified

1997 Approved as casting valve manufacturer for nuclear power plants by the Korean Government

1998 Approved as API 6D manufacturer by API



1999 ISO 14001 certified



2004 Renamed to Samwoo KJS Tec Co., Ltd.

2005 R&D facility established

2006 Awarded Silver Industry Medal by the Korean President

2006 Registered as a supplier for the top 5 Korean power companies

2007 Achieved sales revenue of USD 35mn

2010 Approved as API 600 manufacturer by API

2011 Supplied for Saudi Aramco's Karan Project

2014 Acquired by a private equity fund

2020 Supplied for Pertamina's RDMP Project in Indonesia

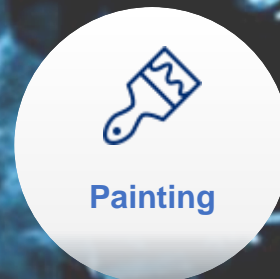
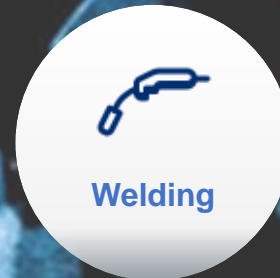
2022 Supplied for Lotte Chemical's Project in Indonesia

2023 Acquired by James Kim and renamed to KJS INTERVALVE



Manufacturing Process

From Design to Packaging, **the Entire Process is carried out In-House**



Quality Product & On-time Delivery

2,000+

Over **2,000** cast patterns designed and owned

100%

100% Hydro-test in-house

20
years

The average tenure of our engineers is over **20 years**

MES

State of the art **MES system**



Excellence in Quality

Extreme condition

resistant
valves

The first

mover
in Cryogenic
valves

Unique capability

to manufacture
large size
valves

Extreme condition resistant valves

- Cryogenic valves are designed to operate at extremely low temperatures of -196°C
- Cryogenic valves are mainly used in pipes for liquids or gases
- Helium testing at -196°C demonstrated the capability of cryogenic valves in extreme conditions

The first mover in Cryogenic valves

- Continuous research & development to ensure better performance
- Focused on expanding towards the global market

Unique capability to manufacture large size valves

- Cryogenic GATE, GLOBE and CHECK valves manufactured
- Korea's largest cryogenic GATE VALVE 150# 48" manufactured
- Excellent quality guaranteed for large size valves

Target Industry



Refineries

LNG

Petrochemicals

Power

Water

Geographical Exposure



Product Line-up

Key Materials

Casting & Forged Carbon, Alloy, Stainless, Specialty Steel

Major Products

GATE, GLOBE, CHECK Valve, Dual Plate Check Valve, NRV (Y-type), Bellows Seal Valve, Cryogenic Valve, Through Conduit Gate Valve, Jacketed Valve, Parallel Slide Gate Valve

Types

Bolted Bonnet, Extended Bonnet, Pressure Seal Bonnet for Power Plant

Class

150, 300, 600, 900, 1500, 2500, 4500LB

Size Range

2" - 72" for 150LB 2" - 44" for 300LB 2" - 42" for 600LB 2" - 36" for 900LB
2" - 28" for 1,500LB 2" - 28" for 2,500LB 2.5" - 18" for 4,500LB

Industries Served

Oil & Gas, Chemical & Steam, Power Plant, LNG, Offshore Structure, Water Treatment

Temperature

-196°C ~ 650°C



Product Line-up

Gate Valve



GATE VALVE							
CLASS	150	300	600	900	1500	2500	4500
SIZE (BB)	2" ~ 72"	2" ~ 48"	2" ~ 42"	2" ~ 24"	2" ~ 24"	2" ~ 12"	
SIZE (PSB)			2" ~ 30"	2" ~ 24"	2" ~ 26"	2" ~ 24"	2" ~ 26"
Material	Carbon Steel	WCB, WCC, LCB, LCC, LC1					
	Stainless Steel	CF8(M), CF3(M), CF8C, CN7M					
	Alloy Steel	WC6, WC9, C12, C12A, F91, F92					
	Special Alloy Steel	Alloy 625, 825, 925, Hastelloy B, C, B148					
	Duplex Steel	CD4MCU, CD3MN, CK3MWCUN					

Globe Valve



GLOBE VALVE							
CLASS	150	300	600	900	1500	2500	4500
SIZE (BB)	2" ~ 24"	2" ~ 24"	2" ~ 20"	2" ~ 20"	2" ~ 16"	2" ~ 12"	
SIZE (PSB)			2" ~ 20"	2" ~ 20"	2" ~ 16"	2" ~ 12"	2" ~ 26"
Material	Carbon Steel	WCB, WCC, LCB, LCC, LC1					
	Stainless Steel	CF8(M), CF3(M), CF8C, CN7M					
	Alloy Steel	WC6, WC9, C12, C12A, F91, F92					
	Special Alloy Steel	Alloy 625, 825, 925, Hastelloy B, C, B148					
	Duplex Steel	CD4MCU, CD3MN, CK3MWCUN					

Product Line-up

Check Valve



CHECK VALVE							
CLASS	150	300	600	900	1500	2500	4500
SIZE (BB)	2" ~ 42"	2" ~ 36"	2" ~ 30"	2" ~ 30"	2" ~ 24"	2" ~ 12"	
SIZE (PSB)			2" ~ 24"	2" ~ 24"	2" ~ 24"	2" ~ 18"	2" ~ 26"
Material	Carbon Steel	WCB, WCC, LCB, LCC, LC1					
	Stainless Steel	CF8(M), CF3(M), CF8C, CN7M					
	Alloy Steel	WC6, WC9, C12, C12A, F91, F92					
	Special Alloy Steel	Alloy 625, 825, 925, Hastelloy B, C, B148					
	Duplex Steel	CD4MCU, CD3MN, CK3MWCUN					

Parallel Slide Gate Valve



PARALLEL SLIDE GATE VALVE				
CLASS	900	1500	2500	4500
Size	2" ~ 24"	2" ~ 24"	2" ~ 20"	2" ~ 20"
Temp.	Up to 650° C			
Material	WCB, WCC, WC6, WC9, C12A, F91, F92			
Service	High temp. & pressure (STEAM LINE)			

Product Line-up

NRV (Non Return Valve)



NRV (Non Return Valve)				
CLASS	900	1500	2500	4500
Size	2" ~ 24"	2" ~ 24"	2" ~ 20"	2" ~ 18"
Temp.	Up to 650° C			
Material	WCB, WCC, WC6, WC9, C12A, F91, F92			
Service	High temp. & pressure (STEAM LINE)			

Tilting Check Valve



TILTING CHECK VALVE				
CLASS	900	1500	2500	4500
Size	2" ~ 24"	2" ~ 24"	2" ~ 24"	2" ~ 26"
Temp.	Up to 650° C			
Material	WCB, WCC, WC6, WC9, C12A, F91, F92			
Service	High temp. & pressure (STEAM LINE)			

Product Line-up

Cryogenic Gate Valve



CRYOGENIC GATE VALVE					
CLASS	150	300	600	900	1500
Size	2" ~ 36"	2" ~ 24"	2" ~ 18"	2" ~ 8"	2" ~ 8"
Temp.	Up to -196° C				
Material	CF8, CF8M, CF3, CF3M				
Service	Low Temperature Service to -196° C (LNG GAS LINE)				

Cryogenic Globe Valve



CRYOGENIC GLOBE VALVE					
CLASS	150	300	600	900	1500
Size	2" ~ 12"	2" ~ 12"	2" ~ 10"	2" ~ 8"	2" ~ 6"
Temp.	Up to -196° C				
Material	CF8, CF8M, CF3, CF3M				
Service	Low Temperature Service to -196° C (LNG GAS LINE)				

Product Line-up

Cryogenic Check Valve



CRYOGENIC CHECK VALVE					
CLASS	150	300	600	900	1500
Size	2" ~ 20"	2" ~ 18"	2" ~ 12"	2" ~ 8"	2" ~ 6"
Temp.	Up to -196° C				
Material	CF8, CF8M, CF3, CF3M				
Service	Low Temperature Service to -196° C (LNG GAS LINE)				

Bellows Gate & Globe Valve



BELLOWS GATE & GLOBE VALVE		
CLASS	150	300
Size	2" ~ 20"	2" ~ 20"
Material	Carbon Steel	WCB, WC1, LCB, LCC, LC1
	Stainless Steel	CF8(M), CF3(M), CF8C, CN7M
	Alloy Steel	WC6, WC9, C5

Product Line-up

Ball Valves



BALL VALVES						
CLASS	150	300	600	900	1500	2500
Size	2" ~ 42"	2" ~ 36"	2" ~ 30"	2" ~ 24"	2" ~ 24"	2" ~ 12"
Material	Carbon Steel	WCB, WCC, LCB, LCC, LC1				
	Stainless Steel	CF8(M), CF3(M), CF8C, CN7M				
	Special Alloy Steel	Alloy 625, 825, 925, Hastelloy B, C				
	Duplex Steel	CD4MCU, CD3MN, CK3MWCUN				

Dual Check & Butterfly Valves



DUAL CHECK & BUTTERFLY VALVES			
CLASS	150	300	600
Size	2" ~ 84" (Dual Check)		
	3" ~ 120" (Butterfly)		
Material	Carbon Steel	WCB, WCC, LCB, LCC, LC1 Cast Iron	
	Stainless Steel	CF8(M), CF3(M), CF8C, CN7M	
	Alloy Steel	WC6, WC9, C12, C12A	
	Special Alloy Steel	Alloy 625, 825, 925, Hastelloy B, C	
Duplex Steel	CD4MCU, CD3MN, CK3MWCUN		

Major Clients

DOMESTIC						

USA / CANADA			

EUROPE			

ASIA			

JAPAN				

INDIA	

SAUDI ARABIA			

KUWAIT			

QATAR				

UAE			

EGYPT / ALGERIE		OMAN	

Sales Records

PETROCHEM

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Sales Records

- Ras Laffan Petrochemicals Project in Qatar



OWNER	Ras Laffan Petrochemicals		
CONTRACTOR	SAMSUNG ENG.	EPC	SAMSUNG ENG.
PROJECT	Ras Laffan Petrochemicals Project-Ethylene Plant	BRAND	KJS
Q'TY	655	YEAR	2023

- Golden Triangle Polymers Project in USA



OWNER	Golden Triangle Polymers		
CONTRACTOR	-	EPC	DL E&C
PROJECT	Golden Triangle Polymers Project - Polyethylene Units	BRAND	KJS
Q'TY	2,213	YEAR	2023



Sales Records

- LSP Complex Project in Vietnam



OWNER	Long Son Petrochemicals Co., Ltd		
CONTRACTOR	HYUNDAI ENG	EPC	HYUNDAI ENG
PROJECT	LSP Complex Project Package G	BRAND	KJS
Q'TY	7,128	YEAR	2023

- Refinery Development Master Plan (RDMP) Project in Indonesia



OWNER	PERTAMINA		
CONTRACTOR	ETI	EPC	HYUNDAI ENG
PROJECT	RDMP PJT	BRAND	KJS
Q'TY	14,278	YEAR	2021



Sales Records

- Jambaran-Tiung Biru (JTB) Gas Project in Indonesia

- Gas-To-Liquid (GTL) Project in Uzbekistan



OWNER	PERTAMINA		
CONTRACTOR	SS VALVE	EPC	REKIND
PROJECT	JTB Propylene Refrigeration System	BRAND	KJS
Q'TY	1,556	YEAR	2020

OWNER	OLTIN YO'L GTL		
CONTRACTOR	HYUNDAI ENG	EPC	HYUNDAI ENG
PROJECT	UGTL PJT	BRAND	KJS
Q'TY	2,930	YEAR	2017



- Turkmenbashi TORE Project in Turkmenistan



OWNER	Turkmenbashi Oil Processing Complex		
CONTRACTOR	HYUNDAI ENG	EPC	HYUNDAI ENG
PROJECT	TORE PJT	BRAND	KJS
Q'TY	3,742	YEAR	2015

- Uzbekistan Kandym Gas Processing Facility (UKAN) Project in Uzbekistan



OWNER	Lukoil Uzbekistan Operating Company LLC		
CONTRACTOR	HYUNDAI ENG	EPC	HYUNDAI ENG
PROJECT	UKAN PJT	BRAND	KJS
Q'TY	2,415	YEAR	2015



Sales Records

- BUTANOL & SYNGAS in Saudi Arabia



OWNER	SABUCO		
CONTRACTOR	DAELIM IND CO.LTD	EPC	DAELIM IND CO.LTD
PROJECT	BUTANOL & SYNGAS PJ	BRAND	KJS
Q'TY	2,725	YEAR	2013

- Plant Rejuvenation & Revamp 2 (PRR2) PJT in Malaysia



OWNER	PETRONAS GAS BERHAD, MALAYSIA		
CONTRACTOR	Hyundai Engineering Co	EPC	Hyundai E& C
PROJECT	PRR II	BRAND	KJS
Q'TY	875	YEAR	2013



Sales Records

- Takeer Refinery in UAE



OWNER	TAKEER		
EPC	GS E&C. DOOWOO E&C.	PROJECT	RUWAIS REFINAERY Expansion Project 2 & 7 / 4
BRAND	KJS	Q'TY	7,968 4,191
COUNTRY	UAE	YEAR	2011

- KARAN PJT in Saudi Arabia



OWNER	SAUDI ARAMCO		
EPC	Foster Wheeler	EPC	Hyundai E& C
BRAND	KARAN GAS FACILITY	BRAND	KJS
COUNTRY	4,838	YEAR	2011

Sales Records

POWER

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Sales Records

- Song Hau 1 Power Plant in Vietnam



OWNER	PETROVIETNAM		
CONTRACTOR	DOOSAN HEAVY IND.	EPC	DOOSAN HEAVY IND.
PROJECT	Song Hau 1 Power Plant	BRAND	KJS
Q'TY	492	YEAR	2017

- Naama Combined Cycle Power Plant in Algeria



OWNER	SONELGAZ SPE		
CONTRACTOR	BHI	EPC	SAMSUNG C&T
PROJECT	Naama Project	BRAND	KJS
Q'TY	180	YEAR	2016



Sales Records

- Umm Al Houl Gas Thermal IWPP Project in Qatar

- Aramco Cogen IPP Project in Saudi Arabia



OWNER	UMM AL HOUL POWER		
CONTRACTOR	SAMSUNG C&T	EPC	SAMSUNG C&T
PROJECT	UMM AL HOUL POWER IWPP PJT	BRAND	KJS
Q'TY	662	YEAR	2014

OWNER	Power Cogeneration Plant Company		
CONTRACTOR	SAMSUNG ENG	EPC	SAMSUNG ENG
PROJECT	ARAMCO COGEN IPP PJT	BRAND	KJS
Q'TY	60	YEAR	2014



Sales Records

- JEBEL ALI-M POWER HRSG PJT in UAE

- YANBU II Project in SAUDIARABIA



OWNER	DEWA(Dubai Electricity and Water Authority)		
CONTRACTOR	-	EPC	Doosan Heavy Ind
PROJECT	Jebel Ali – M Power PJ (2,000MW)	BRAND	KJS
Q'TY	621	YEAR	2009~10

OWNER	MARAFIG		
CONTRACTOR	GE POWER	EPC	HANWHA E&C
PROJECT	YANBU II POWER PJT	BRAND	KJS
Q'TY	183	YEAR	2012

Sales Records

REFINERY

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Sales Records

- Refinery Development Master Plan (RDMP) Project in Indonesia



OWNER	PERTAMINA		
CONTRACTOR	ETI	EPC	HYUNDAI ENG
PROJECT	RDMP PROJECT	BRAND	KJS
Q'TY	29,637	YEAR	2022

- Saudi Kayan EO/EG DBN FEED Project in Saudi Arabia



OWNER	SABIC		
CONTRACTOR	CTCI CORPORATION	EPC	CTCI CORPORATION
PROJECT	Saudi Kayan Olefin DBN PJT	BRAND	KJS
Q'TY	30	YEAR	2017



Sales Records

- The Egyptian Refining Company's (ERC) Refinery Project in Egypt



OWNER	Egyptian Refining Company		
CONTRACTOR	GS E&C	EPC	GS E&C
PROJECT	ERC Refinery Project	BRAND	KJS
Q'TY	31	YEAR	2015

- ARZEW Refinery Rehabilitation and Adaptation Project in Algeria



OWNER	SONATRACH		
CONTRACTOR	HYUNDAI E&C	EPC	HYUNDAI E&C
PROJECT	ARZEW Refinery Rehabilitation and Adaptation Project	BRAND	KJS
Q'TY	1,050	YEAR	2010

Sales Records

GAS

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GAS

Sales Records



- **Kandym Early Gas Production Project in Uzbekistan**



OWNER	LUKOIL		
CONTRACTOR	HYUNDAI ENG	EPC	HYUNDAI ENG
PROJECT	Kandym Early Gas Generation Plant Project	BRAND	KJS
Q'TY	1,500	YEAR	2015

- **Qatargas (QG II) Onshore LNG Project in Qatar**



OWNER	QATAR GAS		
CONTRACTOR	YONEKI	EPC	IHI
PROJECT	Qatargas 2 Onshore LNG Project	BRAND	KJS
Q'TY	95	YEAR	2007



GAS

Sales Records



- QALHAT LNG TERMINAL Project in Oman



OWNER	QALHAT LNG		
CONTRACTOR	YONEKI	EPC	CHIYODA
PROJECT	Qalhat LNG Terminal Project	BRAND	KJS
Q'TY	95	YEAR	2004

- GUJARAT LNG Project in India



OWNER	Petronet LNG		
CONTRACTOR	YONEKI	EPC	TOYO ENG.
PROJECT	Gujarat LNG Project	BRAND	KJS
Q'TY	358	YEAR	2003

Sales Records

WATER

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Sales Records

- BAPCO Wastewater Treatment Plant in Bahrain



OWNER	BAPCO		
CONTRACTOR	GS E&C	EPC	GS E&C
PROJECT	BAPCO Wastewater Treatment Plant Project	BRAND	KJS
Q'TY	83	YEAR	2020

Thank you



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