



## ***STV Corporation Presentation***

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◆ *Integrated Fluid Control Solutions Provider*



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**02** Production & Process

**04** Sales Network & Customers

01

## Company Overview

## 1.1 Overview



### Headquarters

- Council President of China Valve Association
- Stock code: 002438



Plant 1  
1966  
Land area: 26,600 sq.ms  
Accessories & Spare parts



Plant 2  
2011  
Land area: 89,900 sq.ms  
Nuclear valve & Equipment



Plant 3  
2016  
Land area: 114,500 sq.ms  
Metallurgical & Energy valve



Industrial Park (Phase I)  
2025  
Land area: 37,600 sq.ms



### Founded

1966



### Location

Nantong, China



### Main Products

**Industrial Valves**  
Ball, Butterfly, GGC, etc.



### Employee

1,100+



### Land Area

300,000 m<sup>2</sup>



### Revenue 2024

2.1 billion RMB

## 1.2 Timeline

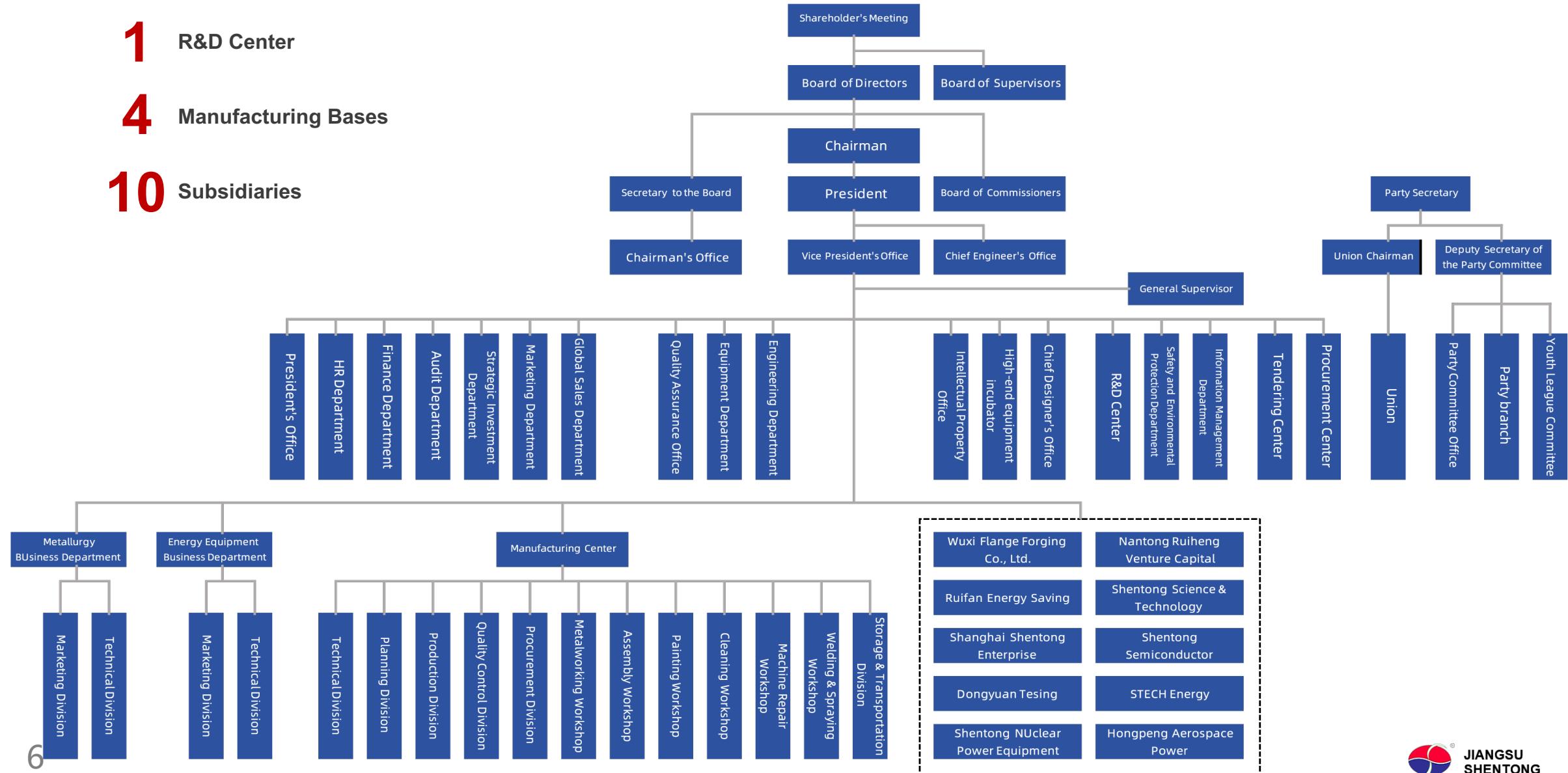


## 1.3 Organization Chart

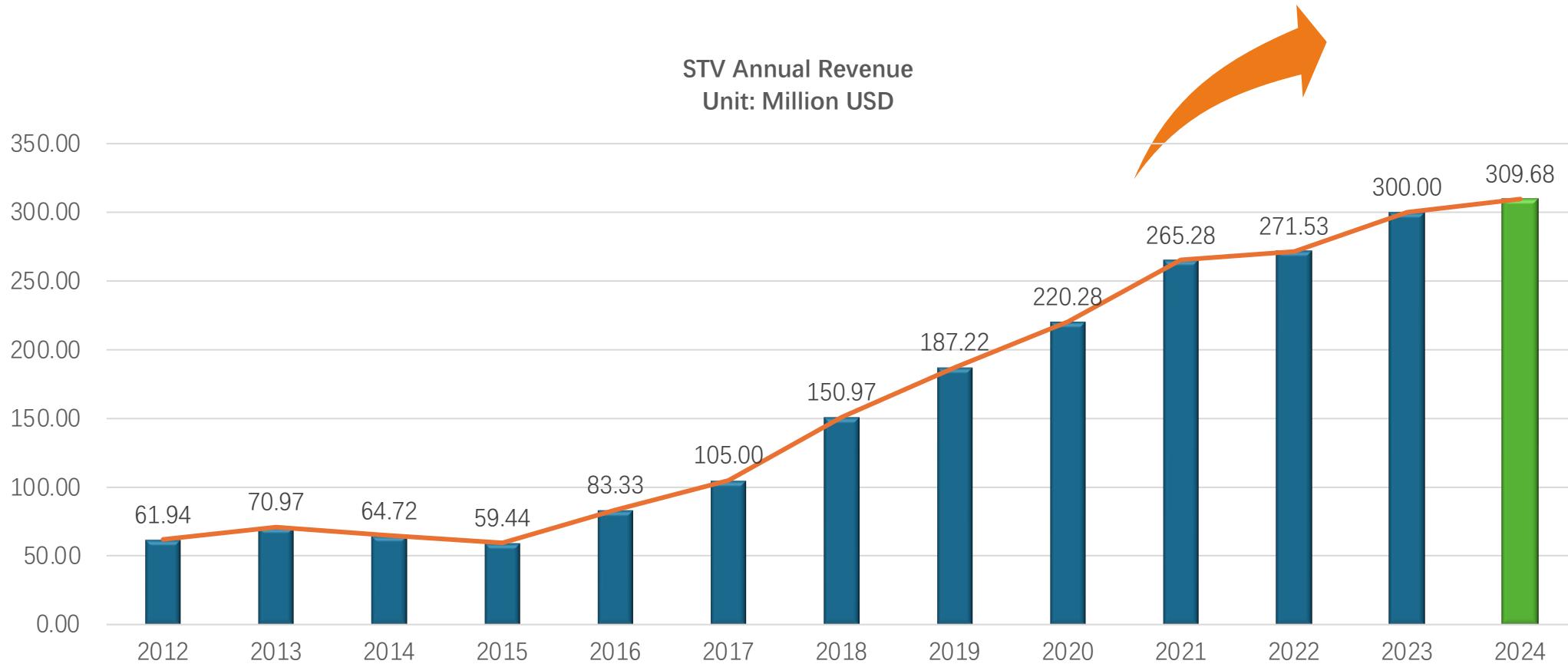
# 1 R&D Center

## 4 Manufacturing Bases

# 10 Subsidiaries



## 1.4 Annual Revenues overview



## 1.5 HSE& ESG

### ■ Zero Harm :

STV pursues zero injury, asset damage and adverse impact to the environment.

#### ISO14001:2015 and OHSAS 18001:2007 Accreditation

- Cleaner Production
- Zero Pollution Incident
- Zero Occupational Disease



- STV promotes inclusive and harmonious development
- Employee Education
- Health & Well-being
- Engagement & Communication
- Activities & Team Building
- Next Generation Care
- Social Responsibilities



## 02 Product and Process

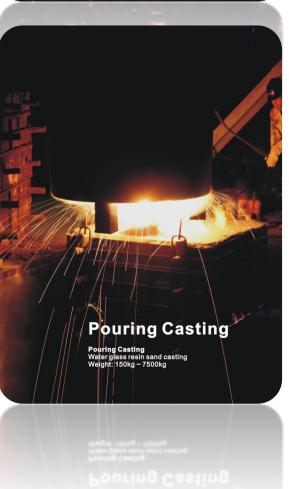
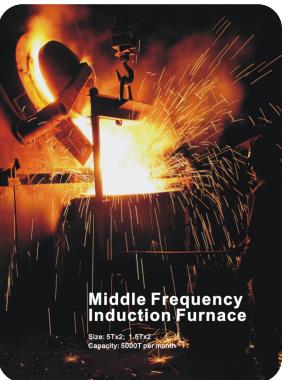
## 2.1 Manufacturing Base



- Founded: 2015 (Base No.3)  
Product: Gate, Globe, Check, Ball, Butterfly.
- Industry: Oil & Gas , Chemical, Metallurgy, Pipeline etc.
- Cover Area: 150,000m<sup>2</sup>
- Maximum Capacity: 200 million USD/year

- Founded: 2006 (Base No.2)  
Product: Nuclear Ball, Butterfly, Gate, Globe, Check.
- Industry: Nuclear industry.
- Cover Area: 100,000m<sup>2</sup>
- Maximum Capacity: 100 million USD/year

## 2.2 Industrial Material Division



Division-Foundry

Founded: 2007

Product: Sand castings

Material: CS, SS, Duplex, Super Duplex, Other special Alloy

Cover Area: 100,000m<sup>2</sup>

Maximum Capacity: 4000 tons/year

The maximum size: is up to DN2400,

Weight: 3.5 Tons.



Wax mold 3D printing



3D printing casting

**STV Valve quality control from the raw material process.**

## 2.3 Industrial Material Division



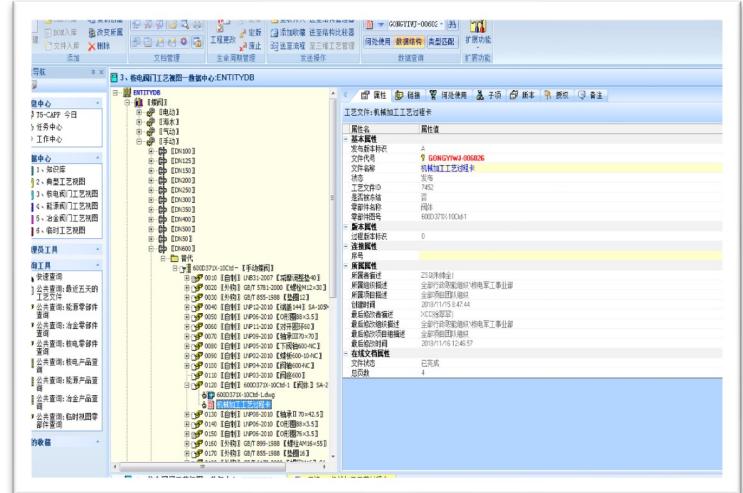
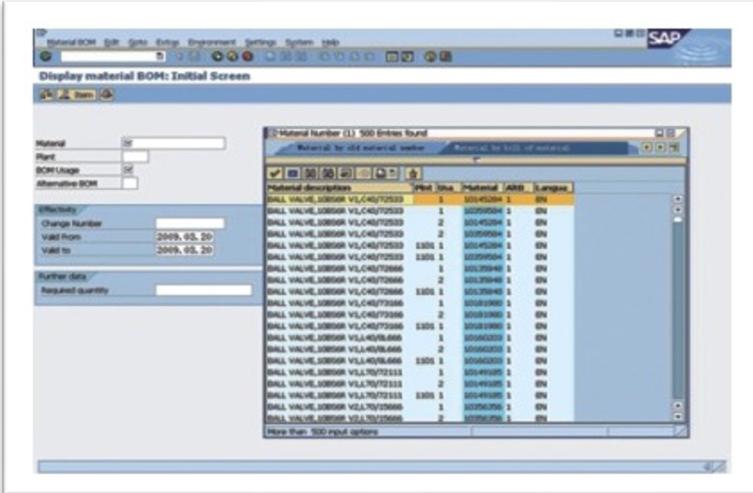
### Wuxi Forging Manufacture Base

- Founded: 1984
- Product: Forging piece
- Material: CS, SS, Duplex, Super Duplex, Other special Alloy
- Cover Area: 78,000m<sup>2</sup>
- Maximum Capacity: 1200 tons/year
- Maximum Size: 6 m, 30tons/piece
- 3,600-ton forging press and φ6000mm CNC ring rolling machine

## 2.4 Factory Management

### Advanced SAP System

STV adopts advanced SAP System to manage resources of all factories, it aims to further improve the factory management and improves efficiency.



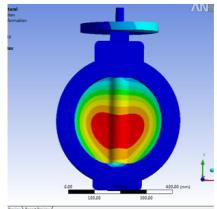
The use of automated warehouse has greatly increased the automation and accuracy of management.

### Automated Warehouse System



## 2.5 Production and Quality Process Control

### Production Process



#### 设计/ Design

- Fluid analysis (CFD)
- Finite element Analysis (FEA)
- Thermal and stress analysis

#### 铸造/ Casting

- Casting
- Forging
- Carbon, stainless, duplex and alloy steel

#### 机加/ Machining

- Machining center
- Vertical lathe
- CNC boring & milling machine
- Spherical grinding machine

#### 装配/ Assembly

- Ball valve assembly workshop
- Butterfly valve assembly workshop
- Metallurgical valve assembly workshop

#### 测试/ Testing

- Hydrostatic testing
- High-pressure gas testing

#### 油漆/ Painting

- Sandblasting / Shot Blasting
- Spray Coating / Painting

#### 仓储/ Storage

- Packaging
- Shipping

### Quality Process Control



Ultrasonic Testing UT

Radiographic Testing RT

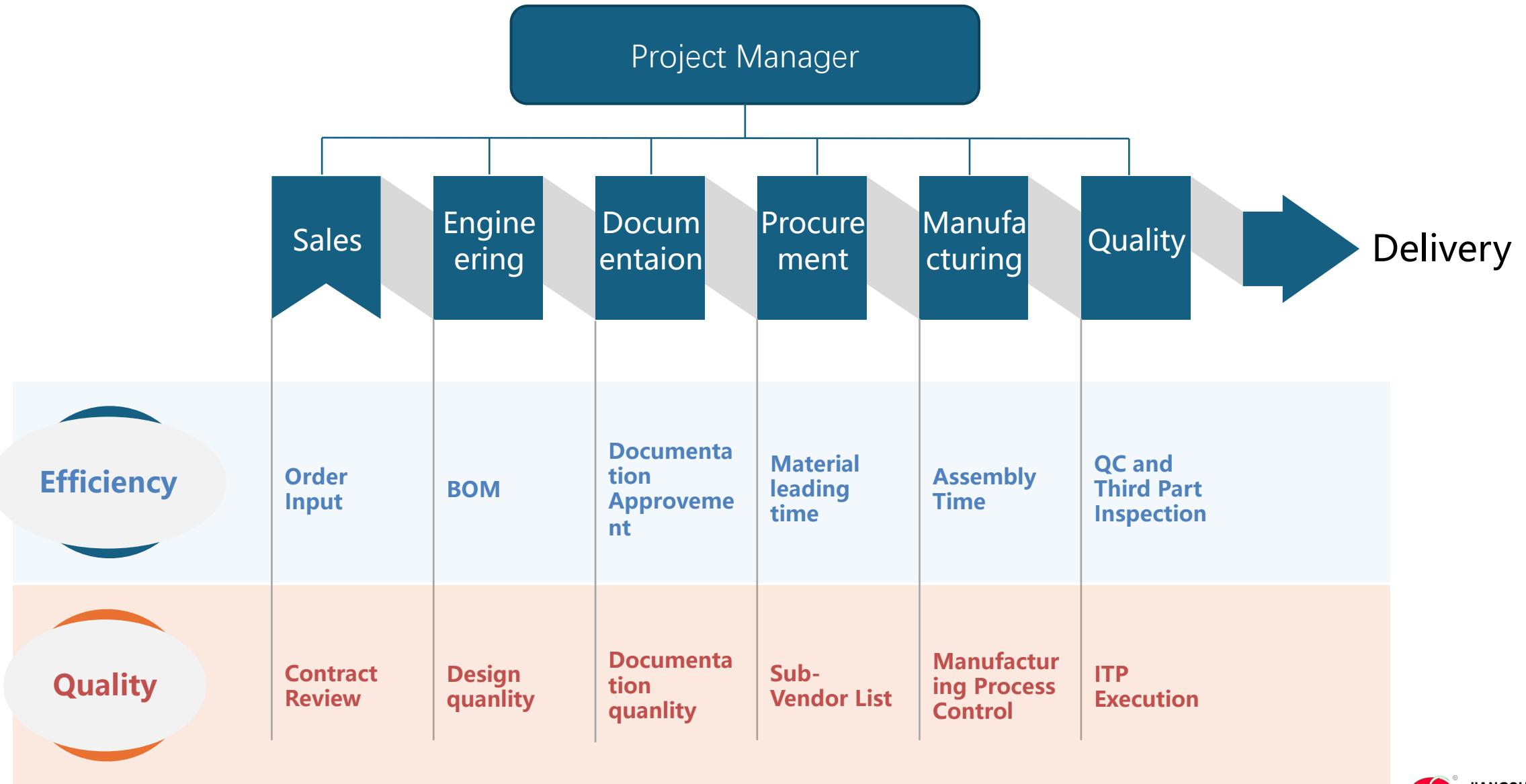
Magnetic Particle Testing MT

Liquid Penetrant Testing PT

Positive Material Identification PMI

Coordinate Measuring Machine (CMM) Inspection

## 2.6 Project Management



## 2.7 Quality Certificates

### ■ Accreditation list:

- APIQ1 For Oil and Gas industry quality management system, issued by API
- ISO 9001-2008 Issued by CNAS
- ISO 14001-2015 Issued by CNAS
- OHSAS 18001-2007 Issued by CNAS
- API 6D For pipeline valve, issued by API
- API 609 For API609 Valve, issued by API
- API600 For ASME Gate Valve
- API607 Fire Safe Test, Issued by TUV
- API608 For metal Ball valve, issued by API
- ISO15848 Issued by TUV
- API591 Issued by TUV
- ABS For Marine Valve, issued by ABS
- DNV For Marine Valve, issued by DNV
- CCS For marine valve, issued by CCS
- CE-PED EU Pressure Equipment Directive, Issued By TUV
- TS China manufacture license of special equipment
- Civil Nuclear Safety Design License & Manufacturing License, Issued by NNSA
- SIL-IEC61508 SITIIAS



CE 认证





## 03 Product application

## 3.1 Application Fields

Butterly Valve 蝶阀	Ball Valve 球阀	GGC Valve 闸截止				
Nuclear Valve 核电阀	<b>STV</b>	Control Valve 控制阀				
Hydrogen Valve 氢能阀门	Semiconductor Valve 半导体阀门	Flange & Other 法兰和其他				

STV product line concentrate on both of commodity valve and high engineering valve that widely applied to Oil& Gas, Chemical, onshore/ offshore, shipbuilding, metallurgy, nuclear industrials etc.

Currently, the largest butterfly valve in China is designed and manufactured by our company and is used in the waste heat recovery system of Shagang blast furnace;

### 3.3 Commodity valve with API standard



#### Ball Valve

- Size: 1/2"~56"
- Rating: 150LB~2500LB
- Type: Floating, Trunnion
- Seat: Soft, Metal
- Material: CS, SS, DSS,  
Special Materials
- Operation: Lever, Gear, Motor  
Pneumatic etc.
- Temp.: -196 °C ~600 °C

API608, API6D



#### Butterfly Valve

- Size: 1/2"~60"
- Rating: 150LB~2500LB
- Type: Concentric, Double offset  
Triple offset
- Material: CS, SS, DSS,  
Special Materials
- Operation: Lever, Gear, Motor  
Pneumatic etc.
- Temp.: -196 °C ~600 °C

API609



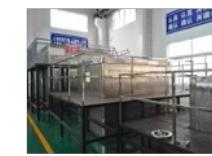
#### GGC Valve

- Size: 1/2"~60"
- Rating: 150LB~2500LB
- Type: Gate, Globe, Check
- Material: CS, SS, DSS,  
Special Materials
- Operation: Handwheel, Gear  
Motor, Pneumatic etc.
- Temp.: -196 °C ~600 °C

API600, API602, API594,  
API623, API6D



Cryogenic test capability  
2'~48'(DN50~DN1200)



## 3.4 Ball Valve



### 3pc Forging Ball

Size: 2" ~56"

Class: 150LB ~1500LB

Optional: Double-piston, lipseal



### Metal to Metal trunnion Ball Valve

Size: 2" ~20" (2pc Casting)

2" ~30" (3pc Forging)

Class: 150LB ~900LB (2pc Casting)

150LB~1500LB(3pc Forgingg)



### Cryogenic trunnion Ball Valve

Size: 2" ~16" (3pc Forging)

2" ~10" (Top Entry)

Class: 150LB~600LB



### DBB Ball valve:

Type: DBB Floating Ball

Size: 1/2" ~ 2"

Class: 150LB ~ 1500LB

Type: DBB Trunion Ball

Size: 2" ~ 10"

Class: 150LB ~ 1500LB

## 3.5 Special Material Valve

### Titanium valve

**Material:** Ti 2, Ti 3, Ti 5, Ti 7, Ti 10, Ti 12

**Type:** Gate, Globe, Check, Ball, Butterfly, Plug, Strainer

**Size:** DN15 ~ 600 (1/2~24" )

**Pressure:** PN10 ~ 420 (150~2500LB)

**Connection:** Flange, BW, Socket, thread, Wafer, Lug

**Operation:** Manual, Pneumatic, Motor



**Material:** C95800, C95500, C95400, C63200, B62, B61

**Type:** Gate, Globe, Check, Ball, Butterfly

**Size:** DN15 ~ 1200 (1/2~48" )

**Pressure:** PN10 ~ 420 (150~2500LB)

**Connection:** Flange, BW, Socket, thread, Wafer, Lug

**Operation:** Manual, Pneumatic, Motor

## 3.6 Special Material Valve

### Zirconium valve

**Material:** Zi 702, Zi 705

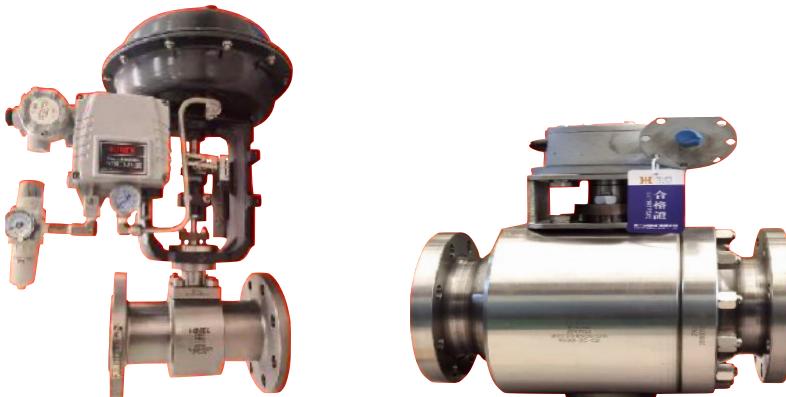
**Type:** Gate, Globe, Check, Ball, Butterfly, Plug, Strainer

**Size:** DN15~600 (1/2~24" )

**Pressure:** PN10~420 (150~2500LB)

**Connection:** Flange, BW, Socket, thread, Wafer, Lug

**Operation:** Manual, Pneumatic, Motor



### Nickel valve

**Material:** Inconel 200/600/625, Inconel 800H/825,

Hastelloy B2/B3/C22/C276/C4 Monel 400/500, 904L

**Type:** Gate, Globe, Check, Ball, Butterfly, Plug

**Size:** DN15~600 (1/2~24" )

**Pressure:** PN10~420 (150~2500LB)

**Connection:** Flange, BW, Socket, thread, Wafer, Lug

**Operation:** Manual, Pneumatic, Motor



## 3.6 Special Material Valve

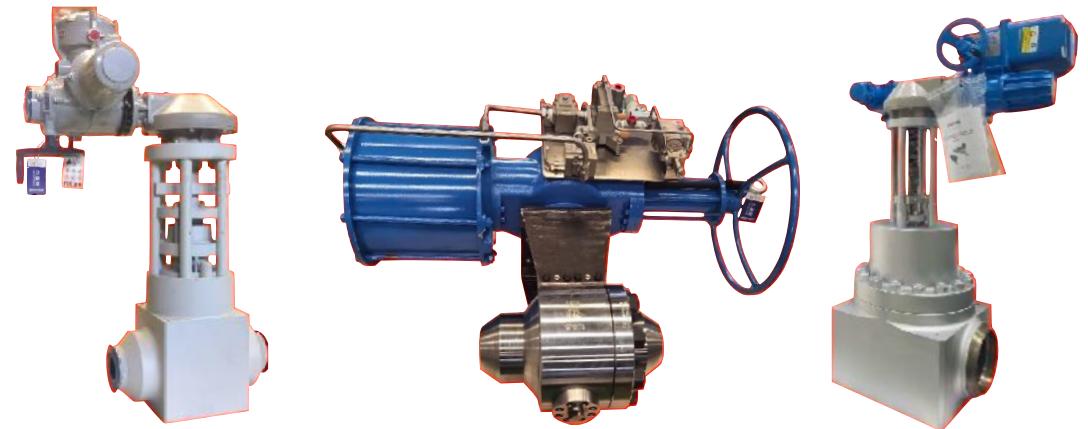
### Tank bottom valve/ Discharge valve

**Design standard:** customized as per requirements

**Operation:** Manual, Pneumatic, Motor

**Design structure:**

lined-life up , Put down feed, Plunger, Jacket



**Type:** Steam trap valve, Parallel slide Gate valve, Y-type Globe valve

**Size:** DN15 ~ 750 (1/2~30" )

**Pressure:** PN250 ~ 1000 (1500~4500LB)

**Operation:** Manual, Pneumatic, Motor

## 3.7 Offshore painting system

### *Painting process control system*



**Paint warehouse**



**Painting line**

## 3.8 New Energy Product- Hydrogen & Semiconductor Valves

### Hydrogen Valves



Vehicle-mounted relief valve



Locomotive cap valve



Locomotive cap valve



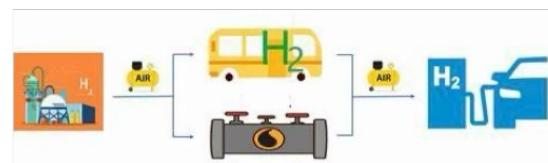
35 MPa Cylinder cap relief valve



Locomotive cap valve



Manual Globe valve



STV hydrogen valve product covering on-board hydrogen storage and supply systems & power systems, production, storage, transportation, hydrogen refueling systems, locomotive & UAV systems, etc.

### Semiconductor Valves

- Vacuum Valve



- Process Gas Valve

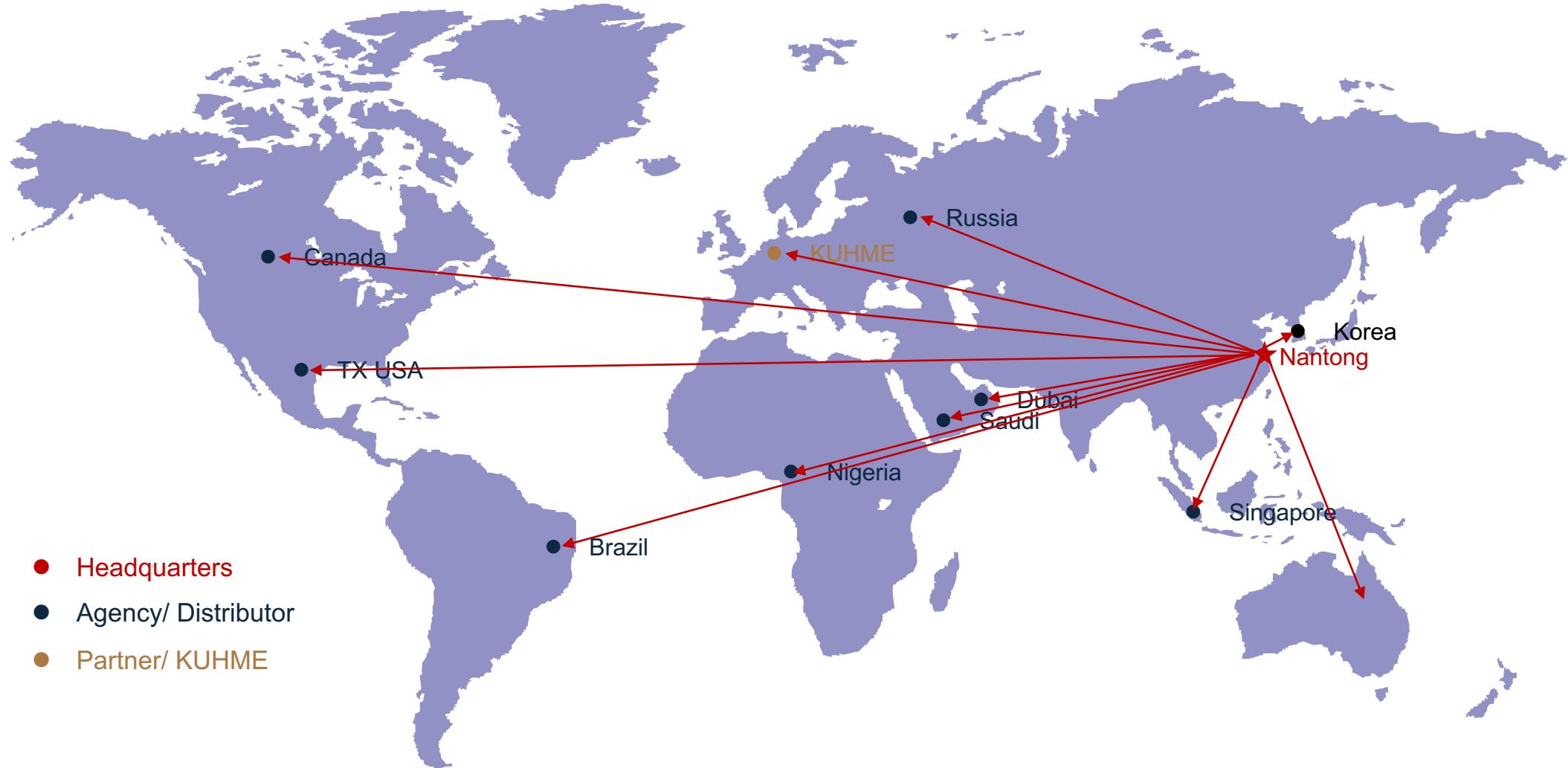


For more information, please visit at:  
<http://m.chinastxny.com/>

# 04

## Sales Network & Customers

## 4.1 Sales Network



## 4.2 Supply reference

No.	Customer	Contract No.	Valve type	Size	Rate	Year
1	BASF/ 巴斯夫	STNY-2023035	Ball& Butterfly valve	NPS8'~20'	Class150~600	2023
2	SINOPEC/ 中石化	NY-XS-BH-23-0652	Motor Butterfly Valve	DN500~2200	PN16	2023
3	HUALU ENGINEERING / 华鲁恒升	NY-XS-BH-23-0412	Motor Butterfly Valve	NPS16'	Class150	2023
4	HUALU-HENGSHENG / 华陆院	NY-XS-BH-22-0161	Pneumatic Ball Valve	NPS2'	Class150	2022
5	HENGLI Petrochemical / 恒力石化	NY-XS-BH-22-0396	Motor Butterfly Valve	NPS10'~16'	Class150~600	2022
6	CNOOC	NY-XS-BH-22-0106	Pneumatic Butterfly Valve	NPS42'	Class150	2022

## 4.2 Supply reference

No.	Industrial	End user	Project	EPC	Valve type	Size	Rate	Material
7	FPSO	Petrobras	TOPSIDES LP P82	Seatrium	Butterfly valve	2' &~48'	PN6	SS316/ A995 5A
8	FPSO	Transocean	1116/1117 Project	Jurong Shipyard Pte Ltd	Ball valve	0.25~12"	150~300#	A216 WCB / A105 / A351 CF8M / F316 / C95800 / C83600
9	Shipbuilding	Teekay Shipping Norway AS	Gina Krog - System 02	Jurong Shipyard/ Technip	Ball, Butterfly Valve	0.5~28"	150~800#	A216 WCB / A105 / A351 CF8M / F316 / A395 DI / C95800 / C83600
10	FPSO	Bumi Armada	Armada Claire	Bumi Armada	Butterfly valve	4"	150#	A216 WCB
11	FPSO	ExxonMobil	Banyu URIP FPSO Project	Sembawang shipyard	Ball valve	3"~12'	150LB	A216 WCB

## 4.3 Customers reference



## 4.4 Business Strength

Strict quality  
assurance system



Sustainable  
Innovation



Cost effective  
package solution



Comprehensive  
support and service



Professional Fluid  
Control Solutions  
Provider

Integrated manufacturing  
resources management



Product Liability  
Assurance



Thanks for your attention!