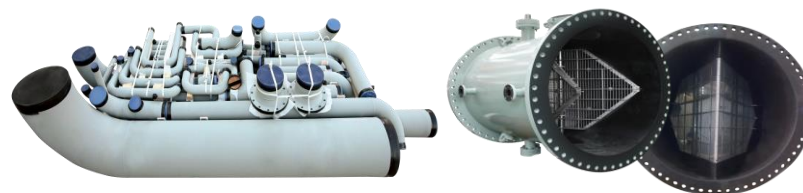


COMPANY PROFILE



Contents

1. Location & Contact points
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8. Engineering Capacity
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10. Fabrication shop Capacity
11. Fabrication shop Layout
12. Major Facilities
13. Fabrication
14. Certificate of Authorization
15. Registration of Patents
16. Global Vendor Registration Status
17. Major Customer & Global Agents
18. Why Jeongwoo ?



Main Office



Engineering Office

Access route

From	Time to reach	Transportation	Distance
Inchoen Airport	1.5 hour	Limousine Bus, KTX(*)	143 km
Gimpo Airport	1.5 hours	Limousine Bus	126 km
Seoul Railway Station	1 hour	KTX(*)	107 km
Busan Seaport	3 hours	KTX(*), Car	316 km
Pyeongtaek Seaport	1 hour	Car	59 km

(*) KTX (Korea Train eXpress) is South Korea's high-speed rail system,



Contact Points

Territory	Sales Manager	e-mail	Mobile phone
Korea, Middle East, Asia & Europe	Hyun Moon	hmoon@jimc.co.kr	+82 10 5430 6084
Japan	Seung-Hyun Baek	shbaek@jimc.co.kr	+82 10 2491 6870
North(USA,Canada) & South America	Andrea Suh	andysuh@jimc.co.kr	+1 713 262 5910



01_____ Achieving business system

Setting environmental health and safety management criteria stricter than international conventions and national laws, we achieve higher business system through continuous performance improvement with effective ways.



02_____ Pursuing active participation

For environmental health and safety improvement,
We provide proper sources, and pursue the entire personnel's active participation through education and training.



03__ Environmental Health and Safety as Top Priority

Considering environmental health and safety for developing every product, equipment, process, and technology, we apply it in all the fields of the business activities as top priority.



04__ Establishment of Morality and Basic Observation

By observing basic duties of employees and establishing management morality, we forego cooperation activities with other related parties and volunteer activities for local society.



05_____ Spreading ongoing innovative activities

Develop and analyze strategies through ongoing innovative activities to minimize risk and environmental uncertainties.



06_____ Keeping Transparency

We keep our transparency by disclosing environmental health and safety policy and its result to both inside and outside the company.



Based on excellent technologies through endless innovation and strict quality managements, since our establishment in 1990, we have been growing and developing in the domestic as well as the global markets.

Jeongwoo Industrial Machine Co., Ltd. (JIMC) has been supplying products to the both domestic and overseas industrial sectors of Power Generation, Oil&Gas, Petrochemical, Refinery, and Energy plant, and trying to supply better products to customers through patents and improvement of technologies.

In addition, we recognize social responsibilities of the company, and the entire employees are working on continuous support activities for the marginalized people.

JIMC will concentrate on for R&D and quality management of the business motto of "Pure the earth, Cure the life", and contribute to the world energy supply.

Company Introduction

Company Name : **Jeongwoo Industrial Machine Co., Ltd. (JIMC)** , 正友産機 株式會社
President & CEO : **Yun-Ha Hwang**
Date of Establishment : **January 9, 1990**

Offices ;

Function	Address
Head Office & Factory	253, 5Sandan-ro, Susin-Myeon, Dongnam-Gu, Cheonan, Chungnam, 31251, Korea
Seoul Sales Office	#828, Hyundai Venture Ville, 10, Banggogae-ro 1-gil, Gangnam-Gu, Seoul, 06349, Korea
Busan Business Center	Tsquare 9 th floor, 694, Jungang-daero, Busanjin-gu, Busan, Republic of Korea
Houston Business Center	12012 Wickchester Ln – Woodbranch Bldg Suite 265, Houston TX, USA
Tokyo Business Center	SC Shiba Buldg, 5-1-2, Shiba, Minato-Ku, Tokyo, Japan

Financial Status

Equity Capital : **USD 2,360,000**
Annual Sales Amount : **USD 32,652,000 (2021)**
Main Bank : **The Industrial Bank of Korea**
(IBK)

Employees(Direct Employees)

Total : **140 persons**
Administration : **17 persons**
Sales : **15 persons**
Engineering : **30 persons**
Mechanics, Welders : **63 persons**
QA/AC : **15 persons**



Website www.jimc.co.kr

1990

Jan Established Jeongwoo Industrial Machine Co., Ltd (JIMC)



1993

Mar Qualified Strainer & Filter for Nuclear Power Plant by KEPCO
ASME B31.1 Strainer : Class "R" Radwaste Filter : Class "T"

May Certified ASME "U" & "PP"



1994

May Qualified High Pressure Gas Specific Facilities by Korean Gov



July Qualified Vessel for Nuclear Power Plant by KEPCO
Demineralizer Vessel : Class "T"

Nov Qualified Strainer for Nuclear Power Plant by KEPCO
ASME III Strainer : Class "Q"

1995

Jun Qualified Cryogenic Pipe Support by KOGAS



1996

Jan Qualified for Sea water Filter for Nuclear Power Plant by KEPCO
Debris Filter

Mar Qualified Shop Fabrication Vessel for Nuclear & Thermal Power Plant by KEPCO
SEC.VIII : Class "T", "R", "S"

Jul Qualified Pipe Support for Thermal Power Plant by KEPCO
Pipe Support : Class "R"

1997

Nov Certified ISO 9001
Pressure Vessel, Strainer & Filter, Pipe Hanger & Support, Piping Manufacturing

1999	Dec	Certified KEPIC-MN <i>Pressure Vessel, Strainer & Filter, Pipe Hanger & Support, Piping Manufacturing</i>	
2000	Feb	Qualified Gate & Penstock for Thermal Power Plant by KEPCO <i>Gate & Penstock : Class "R"</i>	
	Jun	Qualified CTCS & Piping for Thermal Power Plant by KEPCO <i>Condenser Tube Cleaning System: Class "R", Shop Fabrication ASME B31.1 Piping 14" Larger, Piping 12" Smaller,; Class "T"</i>	
2002	Jun	Qualified LNG Storage Tank Insulation Materials by KOGAS	
2004	Jul	Certified ASME "U2" & "S"	
2005	Sep	Established Research & Development Center (R&D Center)	
2006	Sep	Certified ISO 14001, OHSAS 18001	
2008	Dec	Awarded "10 million USD Export Tower " at the 45th National Trade Day by Korean Government	
2010	Oct Dec	Qualified KEPIC-MN 1st Class Proclaim New CI (Corporate Identity)	

2011

Dec **Orders exceeded 100 million USD**

2012

Mar **Build new Manufacturing Factory in same area**

2013

Dec **Vendor Registration for Saudi Electricity Company(SEC) / Saudi Arabia**
Item : Condenser Tube Cleaning System & Debris Filer, Pipe Hanger & Support



2014

Jun **Patent Registration**
Ball Counting Device in CTCS, Ball Recirculation and Debris Filter

2015

Dec **Awarded “30 million dollar export Tower” at The 52nd National Trade Day**

2017

Jan **Vendor Registration for Saudi Aramco / Saudi Arabia**
Item : Pipe Hanger & Support, Strainer



2019

Jul **Selected as “Hidden Champion in Korea” by the Korean government (Ministry of SMEs and Startups)**



Oct **Awarded the Presidential Citation for contributing the development of the capital-goods-industry by the Korean Government to the CEO, Yun-Ha Hwang**

2021

Feb

Vendor Registration for SIEMENS / Germany

Item : Pipe Hanger & Support, Strainer, Condenser Tube Cleaning System & Debris Filter

Jul

Qualified Hanger&Pipe Supports, Material, Fasteners for Nuclear Power Plant by KHNP

Hanger&Pipe Support : Class "Q", Materials(Studs/Bar/Plate/etc) : Class "Q", Fasteners(Bolts/Nuts/Washers/etc) : Class "Q"

Sep

Signed a consortium agreement, and contracted with KHNP for ITER (International Thermonuclear Experiment Reactor) Project. Subject : Supplying the Auxiliary equipment for the Tokamak Cooling Water System (TCWS)

Oct

Inaugurate the business of manufacturing the Polymer electrolyte membrane (PEM) for the electrolysis. Technology transfer from Dankook University

Nov

Vendor Registration for GE Power / Germany

Item : Condenser Tube Cleaning System & Debris Filter



2022

Apr

Selected as an executing company for the National Strategic Program, Carbon Stars Project. Subject: Condenser Tube Cooling System & Debris Filter



Engineering Solution			Piping Solution	
Skid module	Filtration system	Static Equipment	Pipe support	Spool
Lube Oil System - Gas Turbine - Steam turbine - Pump & Compressor	CTCS (Automatic Condenser Tube Cleaning System)	Gas Heater for LNG Plant	Cryogenic Pipe Support -Stopper -Cold shoe	Shop Fabricated Piping - Heavy Wall - Low Alloy Steel
Generator Seal Oil & Cooling Water System - Seal Oil System - Stator Cooling Water System	DF (Debris Filter)	Shell & Tube Heat Exchanger -TEMA type	Spring Hanger & support -Variable hanger -Variable support -Snubber -Constant hanger -Sway Strut -Pipe lug	Penstock for Hydro Power Plant
Valve skid (Gas Plant)	Gas Filter	Pressure Vessel and drum		
Manifold Skid	Cartridge Filters	GSC Gland Steam Condenser		
Fuel Gas Unit Module				
Piping Modules	Strainer -Auto Strainer -T Strainer -Y Strainer -Basket Strainer			

<Stator Cooling Water System>



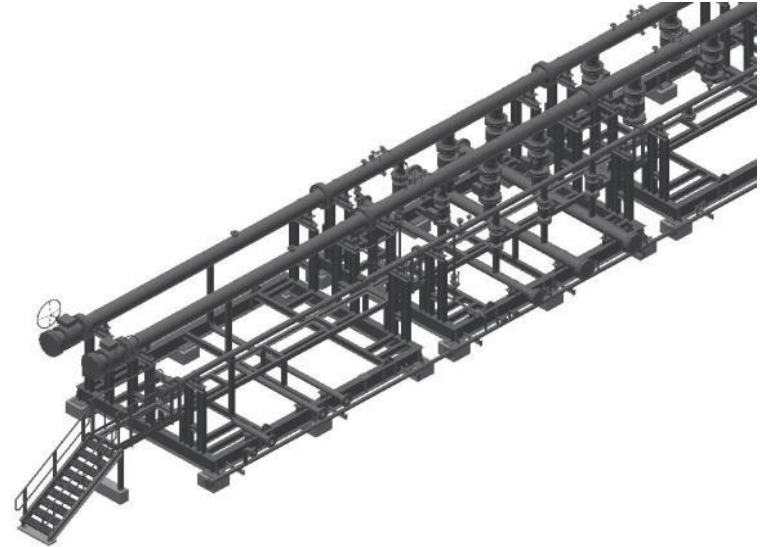
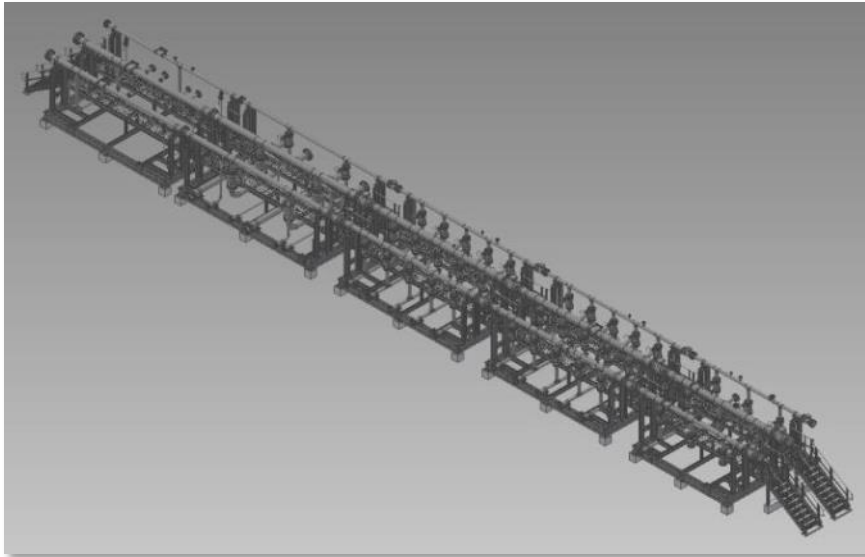
<Lube Oil System>



<Seal Oil System>

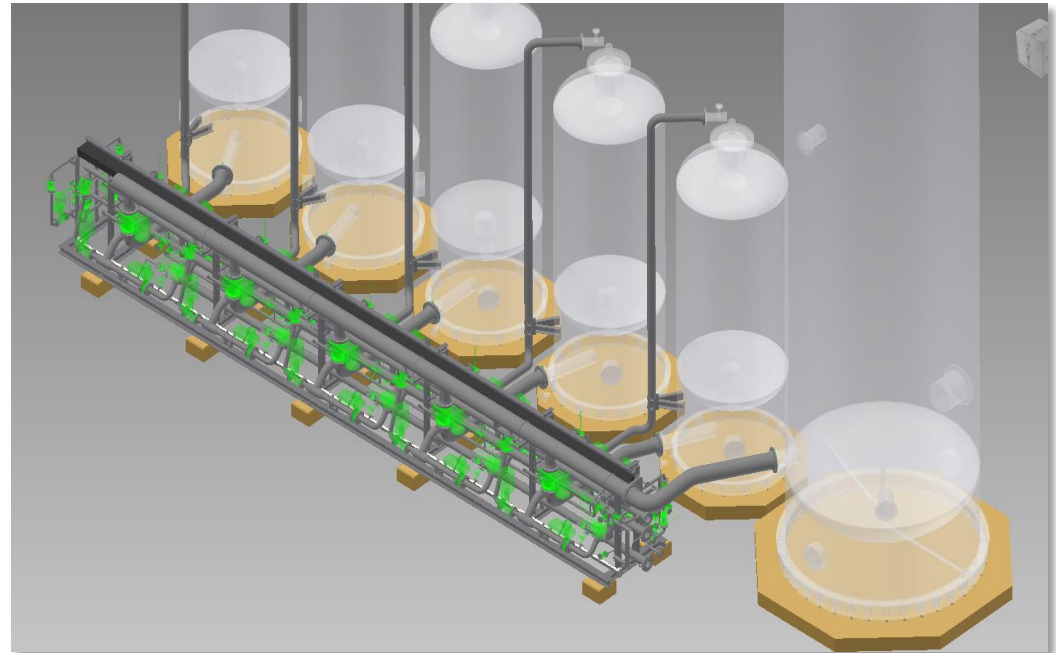
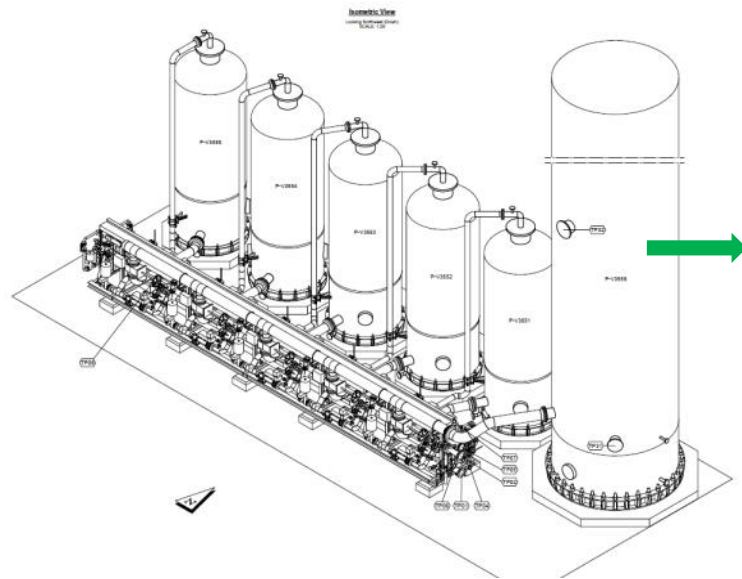
* Supply Records for Recent 4 Years

Delivery	Project	Customer
2018	- Ptolemais CFPP (BFPT) / Greece - Lake Charles CCPP (SCU) / U.S.A - Central JAVA CFPP (SCU) / Indonesia - Muara Tawar #3,4 CCPP (SOU) / Indonesia - JAWA 2 CCPP (LOT) / Indonesia - HMD South Satellite Revamping PJT (Manifold Skid) / Algeria	HITACHI TOSHIBA MELCO DOOSAN MHPS-N JGC
2019	- Zeran PJT / Poland - Okpai PJT / Nigeria - Goseong High #1,2(BFPT LOT) / Korea - Tanjung Jati #5,6(Drip Pan & Funnel) / Indonesia - Tanjung Jati #5,6(SOU, SCU) / Indonesia - Harduaganj TPP PJT(SCU) / India - SK Ulsan New PSA (Valve Skid) / Korea - JSW 410,000MTY mPE Plant PJT (Compressor Skid) / Japan	DOOSAN DOOSAN DOOSAN MHPS-K TOSHIBA TJPS LINDE JSW
2020	- Yeosu HYCO PJT (TSA/PSA Valve Skid) / Korea - Daesan HPC #3(PSA Valve Skid) / Korea - Lamma #11 (LOT) PJT / Hongkong - Gwang-Yang #1 Works Retrofit PJT (SOU)/ Korea - Cirebon2 Power Plant (SCU,SOU) / Indonesia	LINDE LINDE Mitsubishi-T KEPCO KPS Toshiba
2021	- Gangneung Ahn In CFPP #1,2 PJT (LOT,SOU,SCU,GSC,BFPT LOT) / Korea - Fujairah F3 (SOU,SCU,LOT,GSC, Lift Oil Pump Unit)/ UAE - Fujairah F3 (LOT) / UAE - Talin Power Plant Renewal PJT / Taiwan - Pohang #7 SOU Replacement work PJT (SOU) / Korea	DOOSAN DOOSAN Mitsubishi-T TOSHIBA POSCO



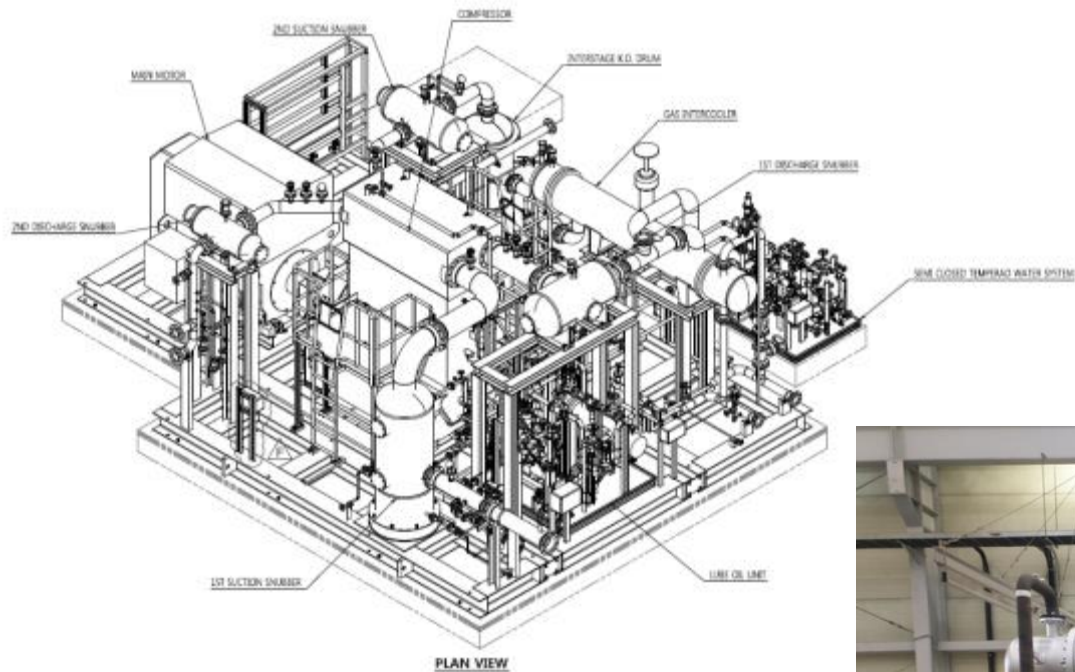
Manifold Skid for Algerian Gas plant
Modeling & Fabrication





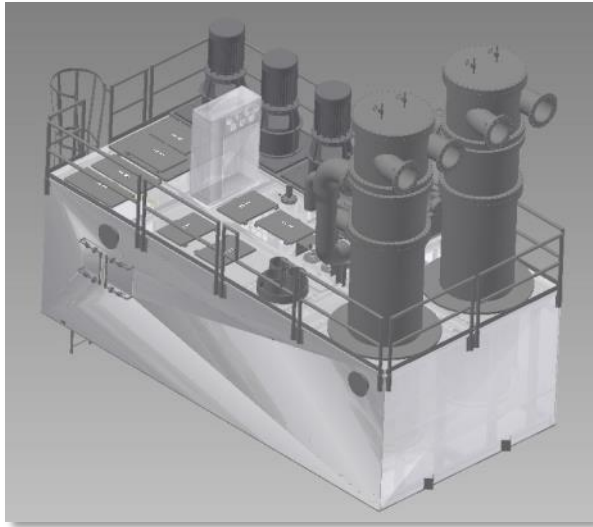
**Valve Skid for
Korean Gas plant
Modeling & Fabrication**



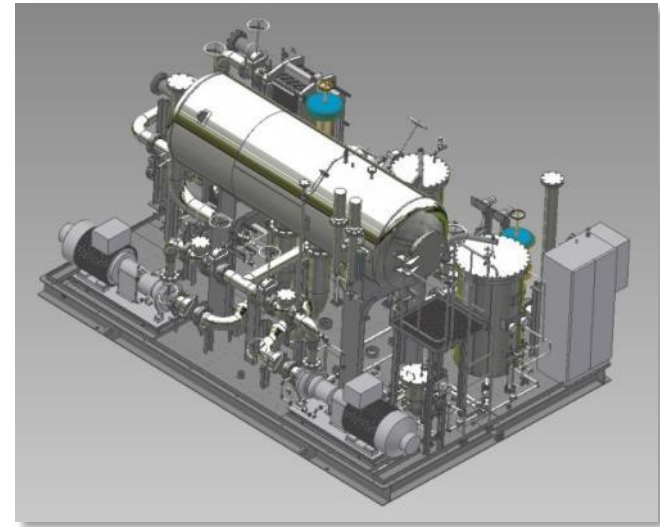


Compressor skid including Lube oil system
3D Design & Fabrication



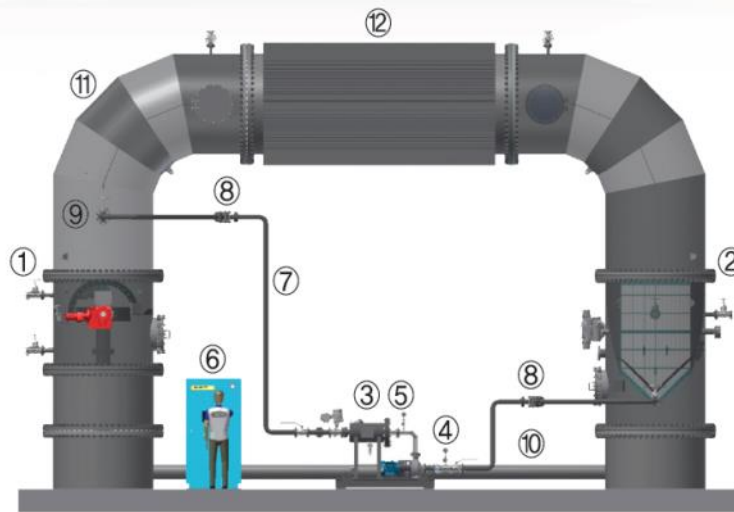


Lube Oil System
Modeling & Fabrication



SCU System
Modeling & Fabrication

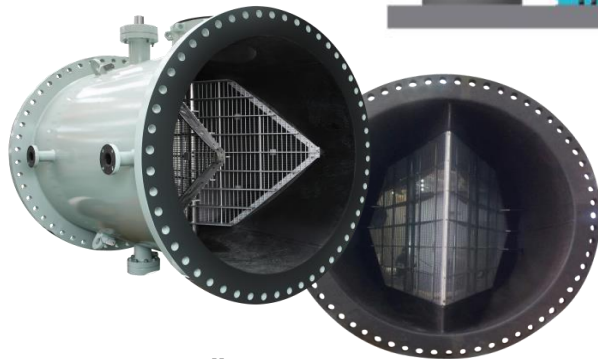




- ① DF (Debris Filter)
- ② BALL STRAINER
- ③ BALL COLLECTOR
- ④ BALL RECIRCULATION MONITOR & COUNTER
- ⑤ RECIRCULATION PUMP
- ⑥ CONTROL PANNEL
- ⑦ RECIRCULATION PIPE
- ⑧ DISTRIBUTOR
- ⑨ INJECTION NOZZLE
- ⑩ DISCHARGE PIPE
- ⑪ WATER BOX (ELBOW)
- ⑫ CONDENSER

* Supply Records for Recent 5 Years

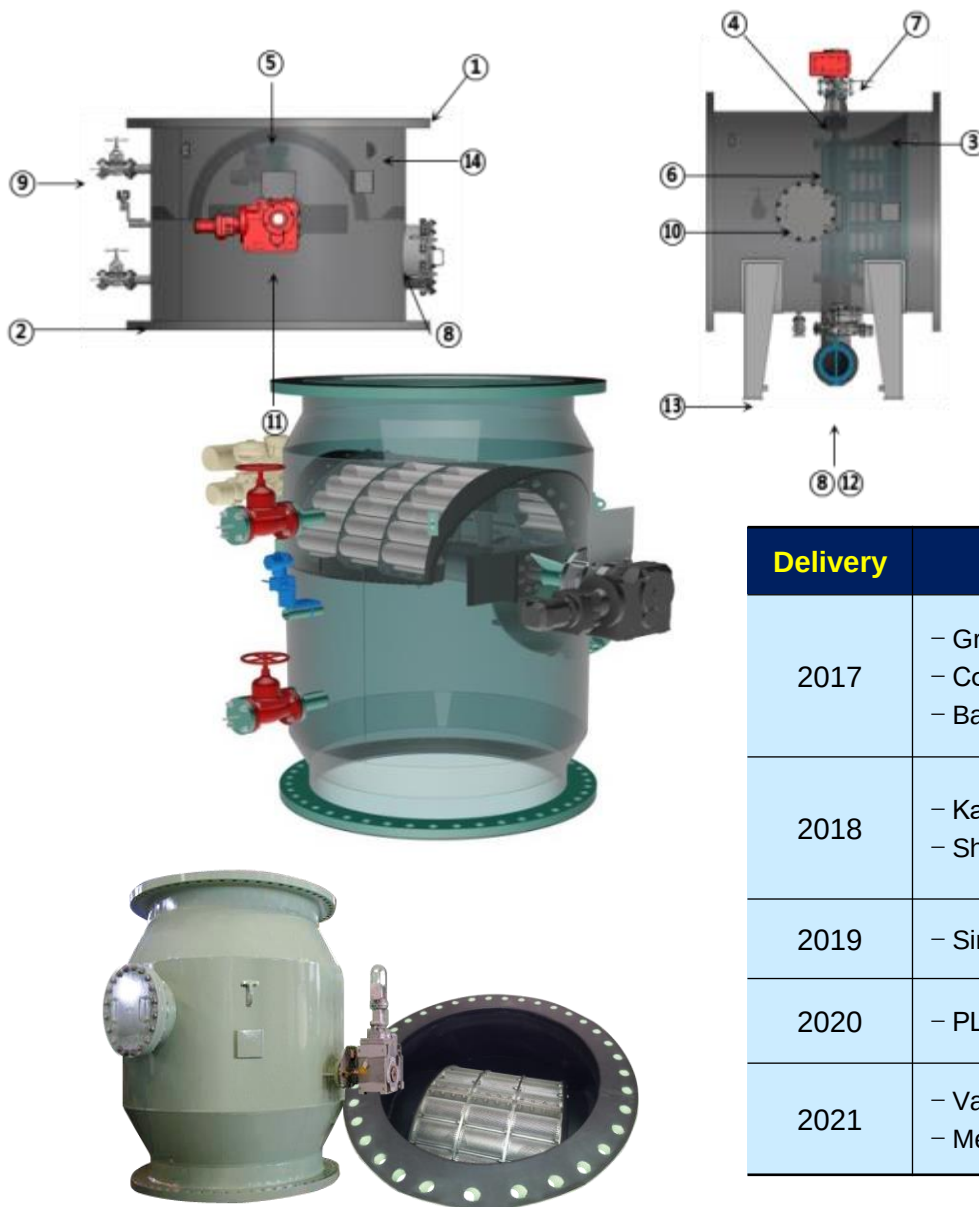
Delivery	Project	Customer
2017	- Grati CCPP [72" / 450MW] / Indonesia - Barakah Nuclear [108" / 1,400MW] / U.A.E	LOTTE E&C KEPCO
2018	- Kalseltang2 CFPP [44" / 100MW x 2] / Indonesia - Sabiya CCGT #1 [66", 16" / 250MW] / Kuwait - Shinpyungtaek CCPP [96" / 950MW] / Korea	HYUNDAI ENG. ALGHANIM POSCO E&C
2019	- Singori #5,6 [90" / 1,000MW] / Korea - Sabiya Stage #3 [80", 16" / 750MW] / Kuwait	KHNP ALGHANIM
2020	- Yerevan CCPP [52" / 250MW] / Armenia	SIEMENS
2021	- Yeosu CCPP [72" / MW] / Korea - Meghnaghat CCPP PJT [80" / 718MW] / Bangladesh	SK E&C SAMSUNG C&T



<Ball Strainer>



<Ball Collector>



- ① MAIN FLANGE
- ② MAIN SHELL
- ③ SCREEN SUPPORT PLATE
- ④ SHAFT SUPPORT PLATE
- ⑤ SCREEN
- ⑥ ROTOR & SHAFT
- ⑦ OUTSIDE DRIVE & NOZZLE
- ⑧ DISCHARGE NOZZLE
- ⑨ DPIT NOZZLE
- ⑩ MANHOLE
- ⑪ GEARED MOTOR
- ⑫ BUTTERFLY V/V & MOV
- ⑬ SADDLE
- ⑭ LIFTING LUG

* Supply Records for Recent 5 Years

Delivery	Project	Customer
2017	– Grati CCPP [72" / 450MW] / Indonesia – Costa Norte CCPP [78" / 380MW] / Panama – Barakah Nuclear [108" / 1,400MW] / U.A.E	LOTTE E&C POSCO E&C KEPCO
2018	– Kalseltang2 CFPP [44" / 100MW x 2] / Indonesia – Shinpyungtaek CCPP [96" / 950MW] / Korea	HYUNDAI ENG. POSCO E&C
2019	– Singori #5,6 [90" / 1,000MW] / Korea	KHNP
2020	– PLTU3 Bangka [32"/ 60MW] / Indonesia	PT. Karya Energi
2021	– Van Phong PJT #1 [24" / MW] / Vietnam – Meghnaghat CCPP PJT [24" / 718MW] / Bangladesh	CTCI SAMSUNG C&T

『우수 연구개발 제품』 성과공유 계약서

1. 제 품 명 : Debris Filter 조립형 Screen

2. 개발선정품 지정 : 2021. 09. 29 ~ 2024. 09. 28 (3년)

□ 지정제품 : Debris Filter 조립형 Screen 연구개발제품

3. 계약내용

□ 대상제품(기술) : 상기 개발선정품

□ 공유기간 : 2021. 09. 29 ~ 2024. 09. 28 (3년)

□ 성과공유 : 정우산기(주)가 상기 지정 개발선정품을 한국서부발전(주)에 판매할 시 해당 매출액의 2.5% (부가세 별도)

□ 납부방법 : 정우산기(주)는 공유기간 동안 매 결산기 결산확정일 익월 말일까지 한국서부발전(주)에게 연 1회 납부

상기의 성과공유에 대해 양 기관은 본 계약문서에 의하여 계약을 체결하고 신의에 따라 성실히 의무를 이행할 것을 확인합니다.

2021년 09월 29일

한국서부발전(주) 대표자 박 형 덕

주소 : 충남 태안군 중앙로 285 한국서부발전



정우산기(주) 대표자 황 윤 하

주소 : 충남 천안시 동남구 수신면 5산단로 253



05160740



개발선정품 등록 인증서

□ 등록번호 : 서부발전-2021-08

□ 기 업 명 : 정우산기(주)

□ 주 소 : 충남 천안시 동남구 수신면 5산단로 253

□ 품 명 : Debris Filter 조립형 Screen

□ 규 격 : 발전설비 개발선정품목 해당규격 참조

인증 유효기간 : 2021. 09. 29 ~ 2024. 09. 28 (3년간)

상기의 품목은 한국서부발전(주) 연구개발관리지침에 의거 개발선정품으로 등록되었음을 확인합니다.

2021. 09. 29.

cwp 한국서부발전(주) 사장



05160740





<Duplex Basket Strainer>



<Tee Strainer, _Angle or straight>



<Simplex Basket Strainer>



<Y-Strainer>

* Supply Records for Recent 4 Years

Delivery	Project	Customer
2018	- Al-Zour Refinery / Kuwait - HASSI MESSAOUD UN / Algeria - Singori Nuclear Power Plant #5,6 / Korea - Hanul #3 PJT / Korea - Tangguh LNG PJT / Indonesia	SK E&C JGC KHNP KHNP PT.Karya Energi
2019	- Goseong Power Plant / Korea - Yanbu 3 PJT / Saudi Arabia - Anyang CCPP / Korea - Barakah Nuclear Power Plant / U.A.E - Sharqiyah PJT / Oman - Hanul #5&6 PJT / Korea	DOOSAN SAMSHIN V&F GS E&C DOOSAN SAMSHIN V&F KHNP
2020	- Hyosung LPG Cavern and Loading/Unloading Facilities / Vietnam - Bapco MED PJT / Bahrain - Nghi Son 2 PJT / Vietnam - Anyang Combined Heat&Power #2 / Korea - SinPyungTaek CCPP / Korea	HDEC-HSHI JV KOREA DOOSAN DOOSAN GS E&C POSCO E&C
2021	- Boryung LNG / Korea - Singori Nuclear Power Plant #5,6 / Korea - South West Gas Fields Development / Algeria - Zcina LPG 4 Train PJT / Algeria - New PWR Fuel Plant PJT / Korea	KOGAS-TECH SAMSUNG C&T L&T HYDROCARBON TECNIMONT DAEWOO E&C



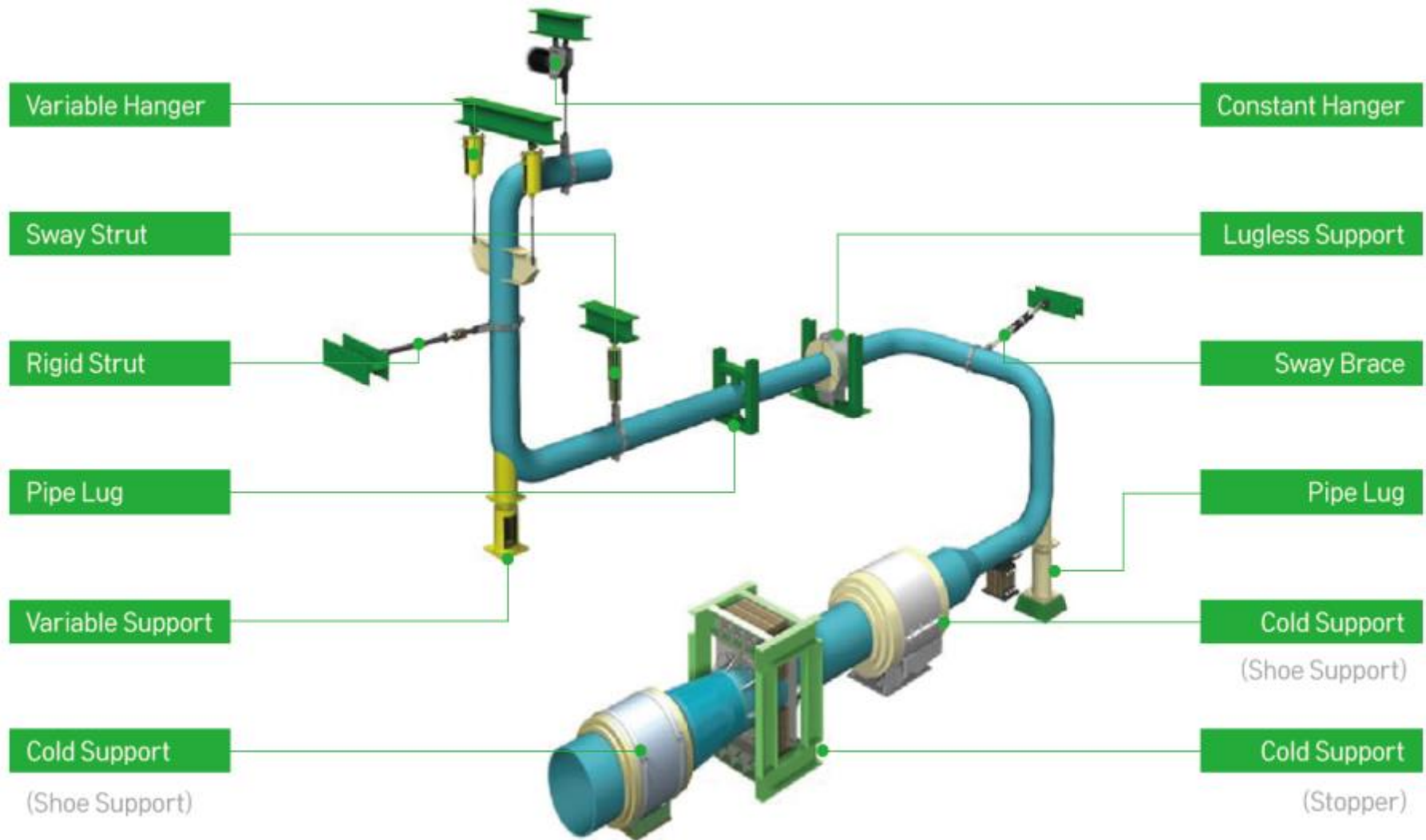
<Auto Strainer>

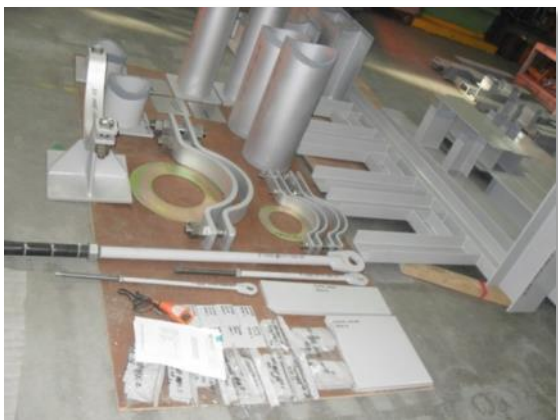
* Supply Records for Recent 7Years



**Nuclear
Reactor
Drain Filter
(CVCS Filter)**

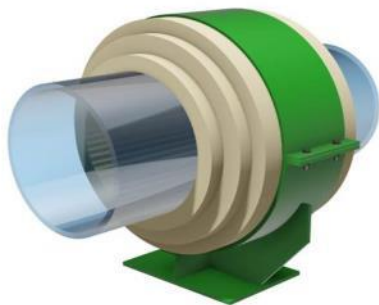
Delivery	CLINET	PROJECT NAME	FILTER NAME
2015	MEE TOSHIBA KNPP DOOSAN	- South Helwan Power Plant/ Egypt - VINH TAN 4/Vietnam - SHIN-KORI NUCLEAR POWER 5&6/Korea - SHIN-KORI NUCLEAR POWER 5&6/Korea	STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER SFP CLEAN FILTER BORIC ACID FILTER
2016	TOSHIBA MEE TOSHIBA TOSHIBA TOSHIBA	- Duyen Hai 3 Ext. PJT/Vietnam - LINKOU#3/Taiwan - SAINT CHARLES PJT /USA - VINH TAN 4 #3 PJT/Vietnam - JIMAH EAST #1,2/Malaysia	STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER
2017	KOGAS TOSHIBA TOSHIBA	- GAS STATION/Korea - Lake Charles PJT / USA - Tanjung Jati #5,6/Indonesia	50Ton GAS FILTER STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER
2018	Toshiba DOOSAN DOOSAN DOOSAN KOGAS TOSHIBA	- Harduaganj TPP PJT/India - SHINSEOCHEON TPP/Korea - GOSEONG HAI TPP 1&2/Korea - SHINSEOCHEON TPP/Korea - GAS STATION/Korea - Montgomery PJT/USA	STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER STATOR COOLING WATER FILTER SEAL OIL FILTER 300/150/50 Ton GAS FILTER STATOR COOLING WATER FILTER
2019	KOGAS	- Cheongju, Jeju, Hanlim, Seoguipo, Doryeon Gas Station/Korea	300/150/50/10 Ton GAS FILTER
2020	Hanhwa E&C	- HYCO PJT/Korea	30 Ton Gas Filter
2021	KOGAS-TECH Valmax	- Boryung LNG/Korea - Yeosu, Icheon CCPP/Korea	1400 Ton Gas Filter 140/80 Ton Gas Filter





* Supply Records for Recent 4 Years

Delivery	Project	Customer
2018	- Karbala Refinery PJT / Iraq - Goseong #1,2 / Korea - CAP NPE PJT / Indonesia - Tanjung Jati #5,6 / Indonesia - Cairo West & Egypt Assiut / Egypt - Sabiya CCGT PJT / Kuwait	HYUNDAI E&C DOOSAN TOYO ENG MHPS-K DOOSAN BHI
2019	- Daesan Biomass PJT / Korea - Cirebon PJT / Indonesia - Uzbekistan Gas-to-Liquids PJT / Uzbekistan - Karabatan PJT / Kazakhstan - ETE-5 PJT / Japan - BST PJT / Thailand - Al-Zour LNG PJT / Kuwait - Dubal HRSG PJT / U.A.E	HYUNDAI E&C MHPS-K HYUNDAI ENG PSI GROUP TOYO ENG TOYO ENG HYUNDAI ENG BHI
2020	- CPC 3rd Receiving Terminal LNG PJT/Taiwan - Sodegaura Biomass PJT/ Japan - Al Dur Phase II HRSG PJT / Bahrain - RIAU GFPP 275MW IPP PJT/ Indonesia - Thai Oil Clean Fuel PJT / Thailand - Joetsu PJT / Japan - Dangjin Biomass #2 / Korea	CTCI DOOSAN BHI LOTTE E&C Yantai Hyundai Heavy Mitsubishi-Kure GS E&C
2021	- HSVC OL1 PJT / Vietnam - Volkswagen Wolfsburg West PJT / Germany - Yeosu, Icheon & Cheongju CCPP HRSG / Korea - Lamma Power Station Unit 12 / Hongkong - Anegasaki Unit #1~3 PJT / Japan	SGC eTEC E&C MHPS-Takasago S&T ENERGY Mitsubishi-Kure MHPS-Kure



<Shoe Type Application>



<Hold Down Type Application>



<Anchor Type Application>

JIMC equipped the Expander in the own shop, and can supply density of **160, 320, 500kg/m³**.
if customer requires, **40,60,80,224kg/m³**are also available.

JIMC also equipped own CNC WIRE CUTTING MACHINE, and other machines for final machining.

* Supply Records for Recent 4 Years

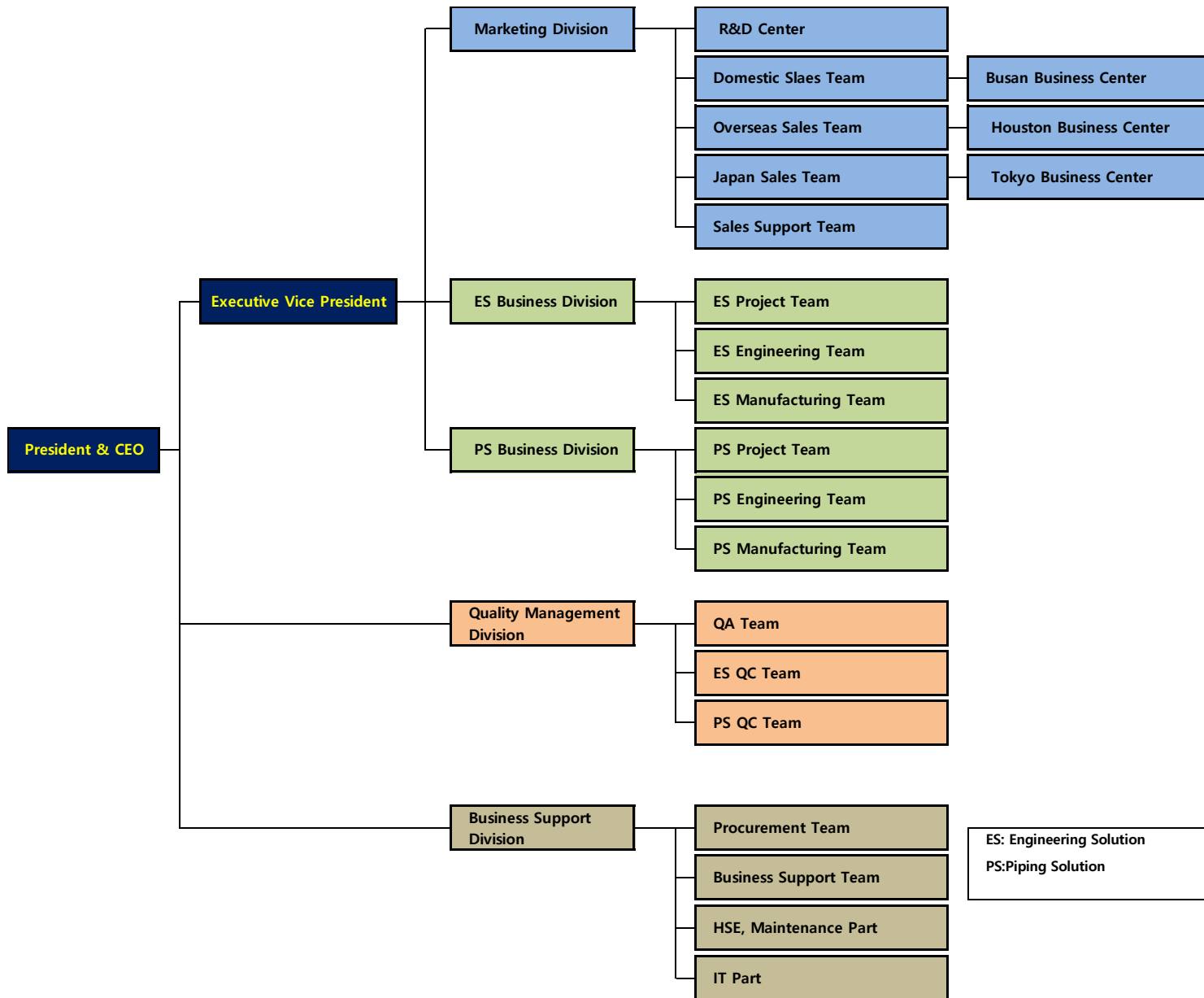
Delivery	Project	Customer
2018	- CAP NPE PJT / Indonesia - RRW Units Restoration PJT / U.A.E - Korea Petrochemical PJT / Korea - KD GAS PJT / Korea - LPIC-3 PJT / Oman - Jazan Refinery PJT / Saudi Arabia	TOYO ENG GS E&C Korea Petro Co. HANTEC GS E&C HYUNDAI Arabia
2019	- RRW Units Restoration PJT / U.A.E - Lotte H-NC3 Revamping / Korea - Gwangyang LNG PJT / Korea - Al-Zour LNG PJT / Kuwait - Incheon LNG PJT / Korea - Uzbekistan Gas-to-Liquids PJT / Uzbekistan - MOCD2 PJT / Thailand - Daicel Himeji PJT / Japan	GS E&C DAELIM POSCO HYUNDAI ENG JEONGHO E&C HYUNDAI ENG TOYO ENG SHOWA
2020	- KD FPK GAS Expansion / Korea - LSP Complex PJT / Vietnam - Miyazaki Nikkiso Cryogenic Pump PJT / Japan - Hyundai Oilbank 2020 Revamping / Korea - YeoSu MFC(Module-1,2/MFC/Offsite/PE)/ Korea	TOYO ENG POSCO E&C SHOWA HYUNDAI E&C GS E&C
2021	- LNG Fuel Equipment Evaluation Design / Korea - C2-C3 Cryo Tank PJT / Malaysia - Andres LNG Terminal Expansion/Dominican Republic - SCPP PJT (AXHH003A/AXHH003B) / Japan	KOGAS-TECH LOTTE E&C POSCO E&C TOYO ENG



Piping Spools

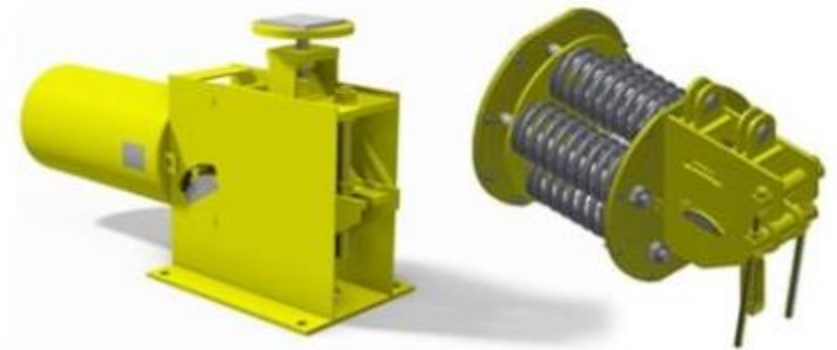
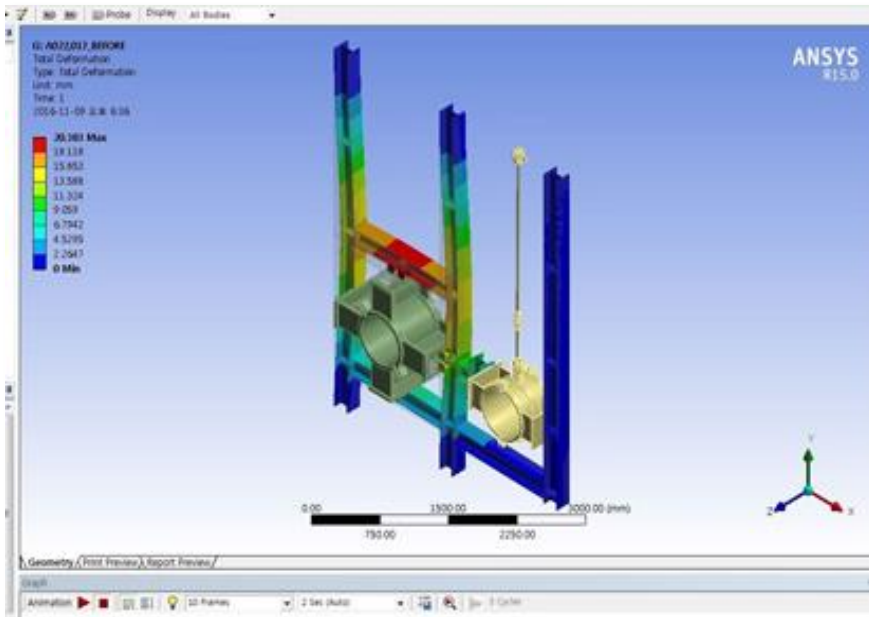
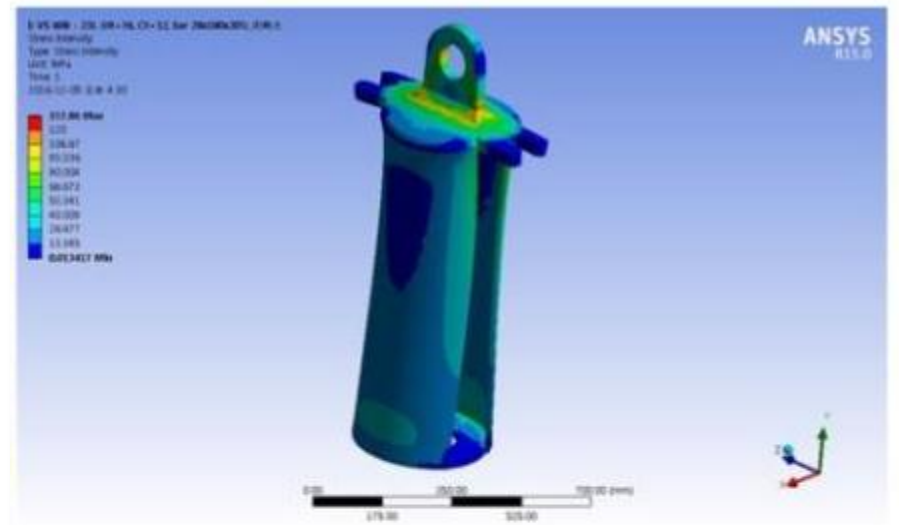
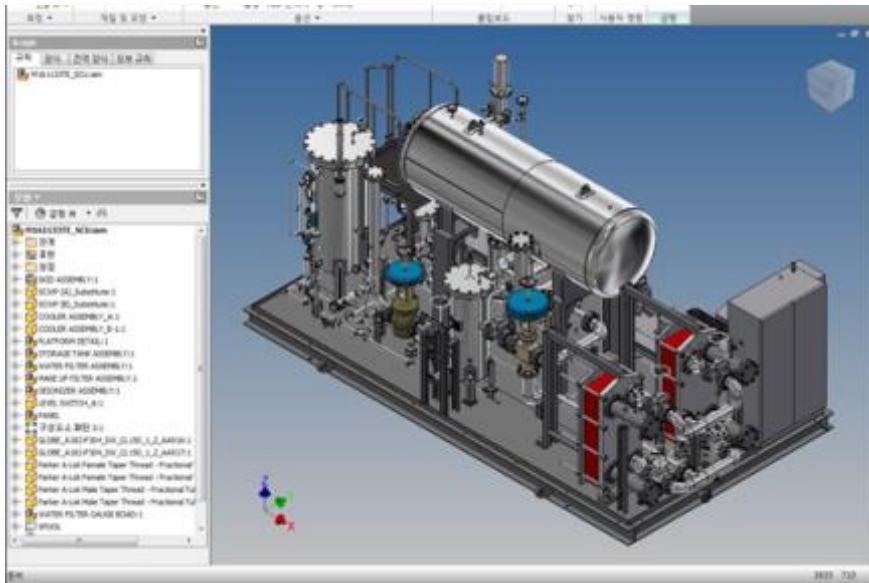
* Supply Records for Recent 5 Years

Delivery	Project	Customer
2016	- Youngnam CCPP / Korea - TVEP / Philippines - Dangjin#9 / Korea - Musandam Gas Plant / Oman - Barakah Nuclear Power Plant#3,4 / U.A.E	DAEWOO E&C HYUNDAI ENG. MHPS-N HYUNDAI ENG. KEPCO
2017	- Musandam Gas Plant PJT / Oman - Shingori #5,6 CW Pipe / Korea - Barakah Nuclear Power Plant#3,4 / U.A.E	HYUNDAI ENG. SAMSUNG C&T KEPCO
2018	- Sinpyeongtaek #3 PJT / Korea - Shingori #5,6 CW Pipe / Korea - Barakah Nuclear Power Plant#3,4 / U.A.E	MELCO SAMSUNG C&T KEPCO
2019	- Hengam Fertilizer PJT / Iran - Barakah Nuclear Power Plant #3,4 / U.A.E - Karbala Refinery PJT / Iraq	MHPS-T KEPCO HYUNDAI E&C
2020	- LSP Complex PJT / Vietnam	WOOD
2021	- Volkswagen Wolfsburg West PJT / Germany - InterRAO Fuel Unit PJT / Russia - Kori 2 84" Sea water Pipe PJT	MHPS-Takasago MHPS-Takasago KHNP

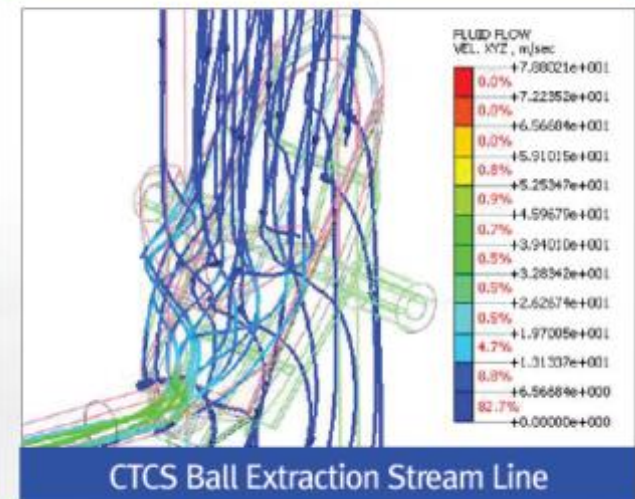
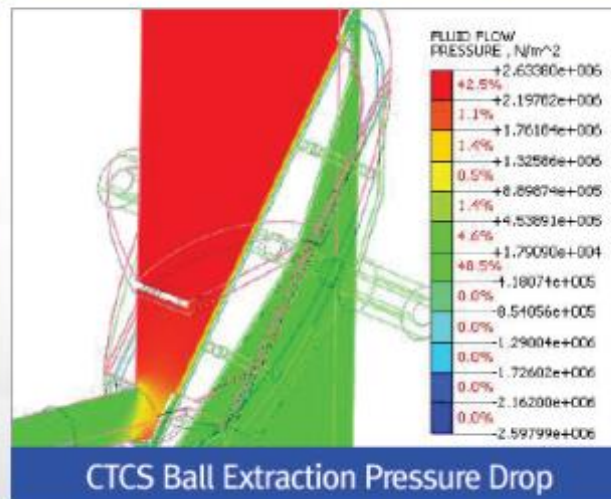
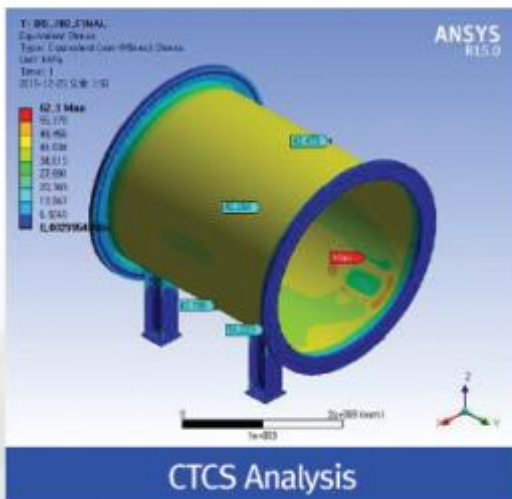
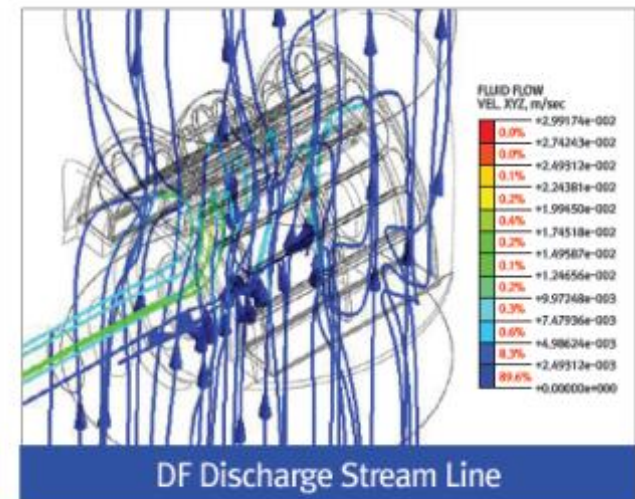
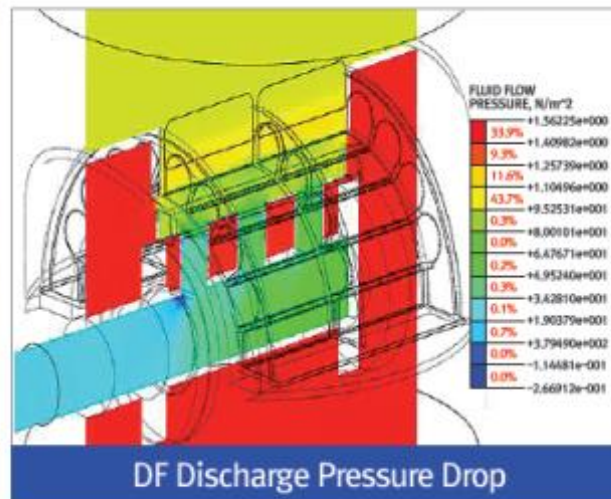
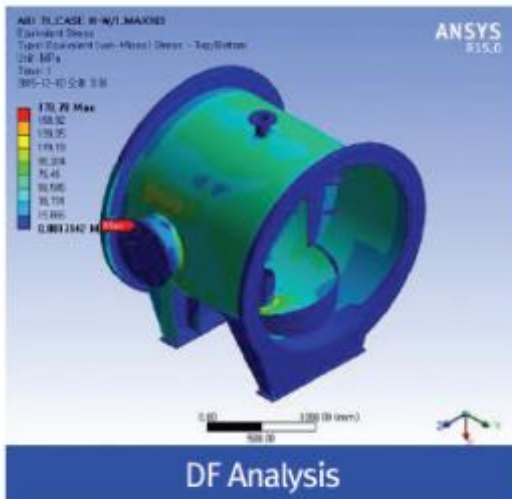


Provider	Software Name	Version	Purpose
Autodesk	INVENTOR	2023	3D CAD for Product design
	Auto CAD	2023	2D CAD for Product design
	NavisWorks	2023	Design review
HEXAGON (INTERGRAPH)	ISOMETRICS	2016	Pipe Isometric drawing
	SPOOLGEN	13	Pipe drawing software for fabrication and erection
	CAESAR II	2014	Pipe Stress Analysis
	SUPPORT MODELER	-	Pipe Support Modeling software for PDS*
	SmartPlant Review	2015 R.1	Design review
BENTLY	MICROSTATION	J	2D CAD for Product design
	AUTOPIPE	Advanced	Pipe Stress Analysis
ANSYS	ANSYS Professional NLT	2015	Finite Element Analysis
CODWARE	Compress	2022	Vessel Stress Analysis
MIDAS IT	MIDAS NFX STR	2022	Finite Element Analysis
	MIDAS NFX CFD	2022	Fluid dynamic Analysis

* PDS (Plant Design System) : CAD for Plant Design , Hexagon(Intergraph)



3D Modeling and stress analysis for the spring hanger



DF : Debris Filter
CTCS: Automatic Condenser Tube Cleaning System

● Performance Simulation facilities



1 3" Pump

2 Sensor Condenser Model

3 14" Pump

4 14" 가시화 Ball Strainer

5 Water Tank



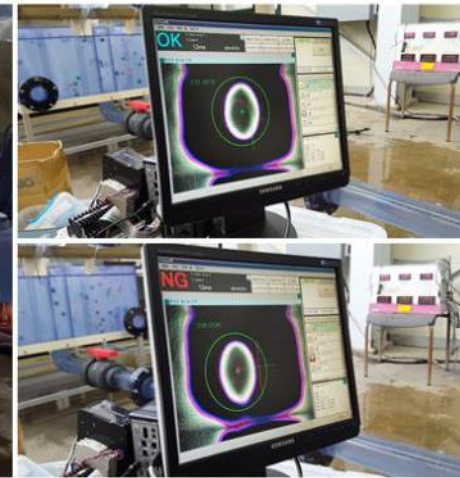
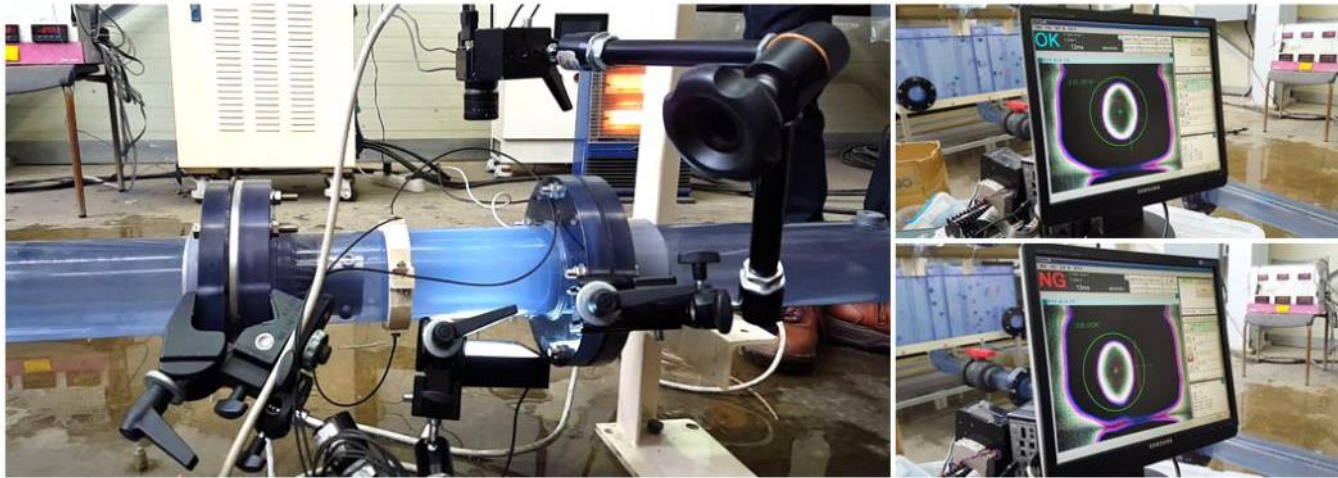
Visualized Surface Condenser Model (Scale down)

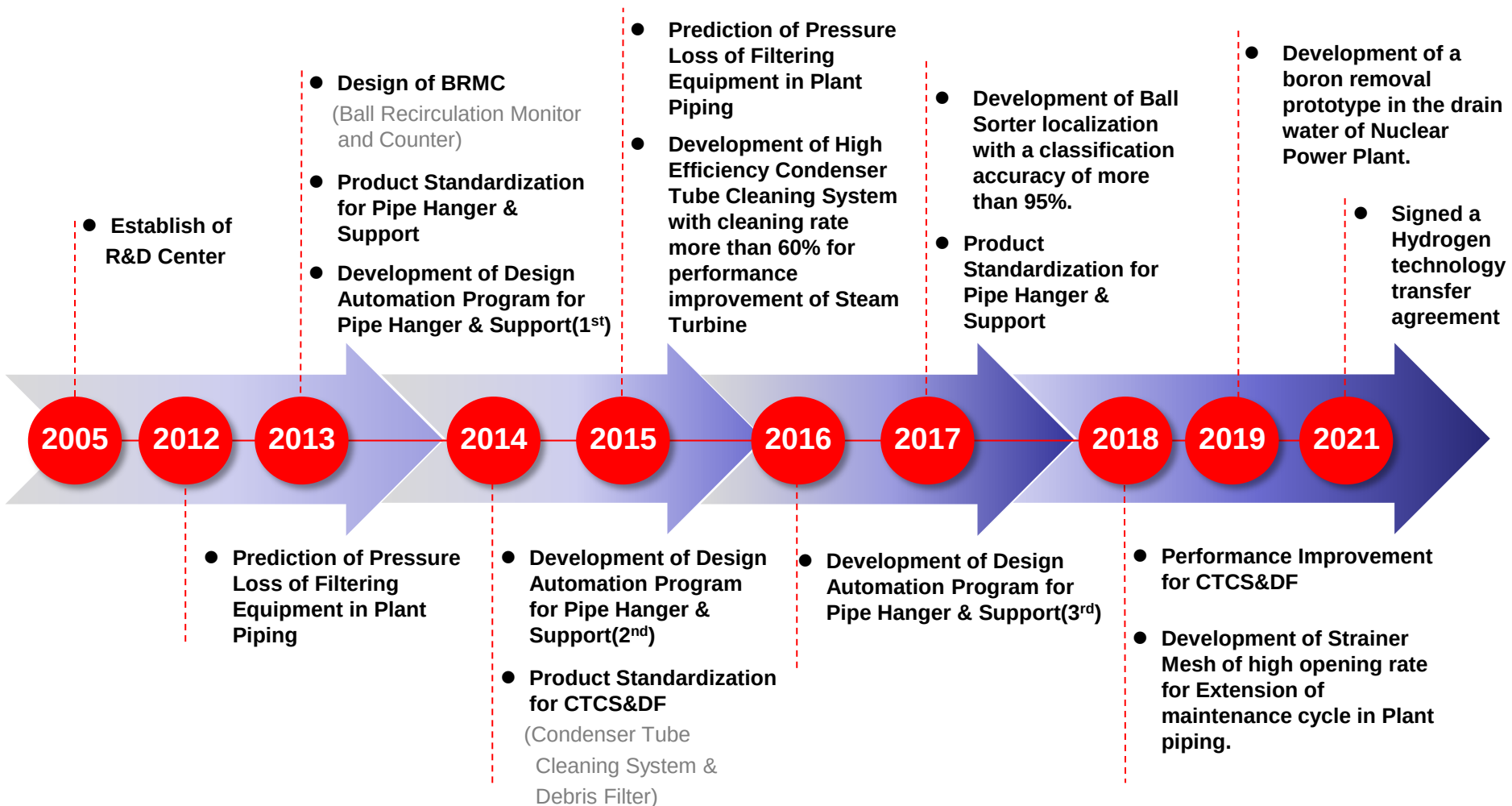


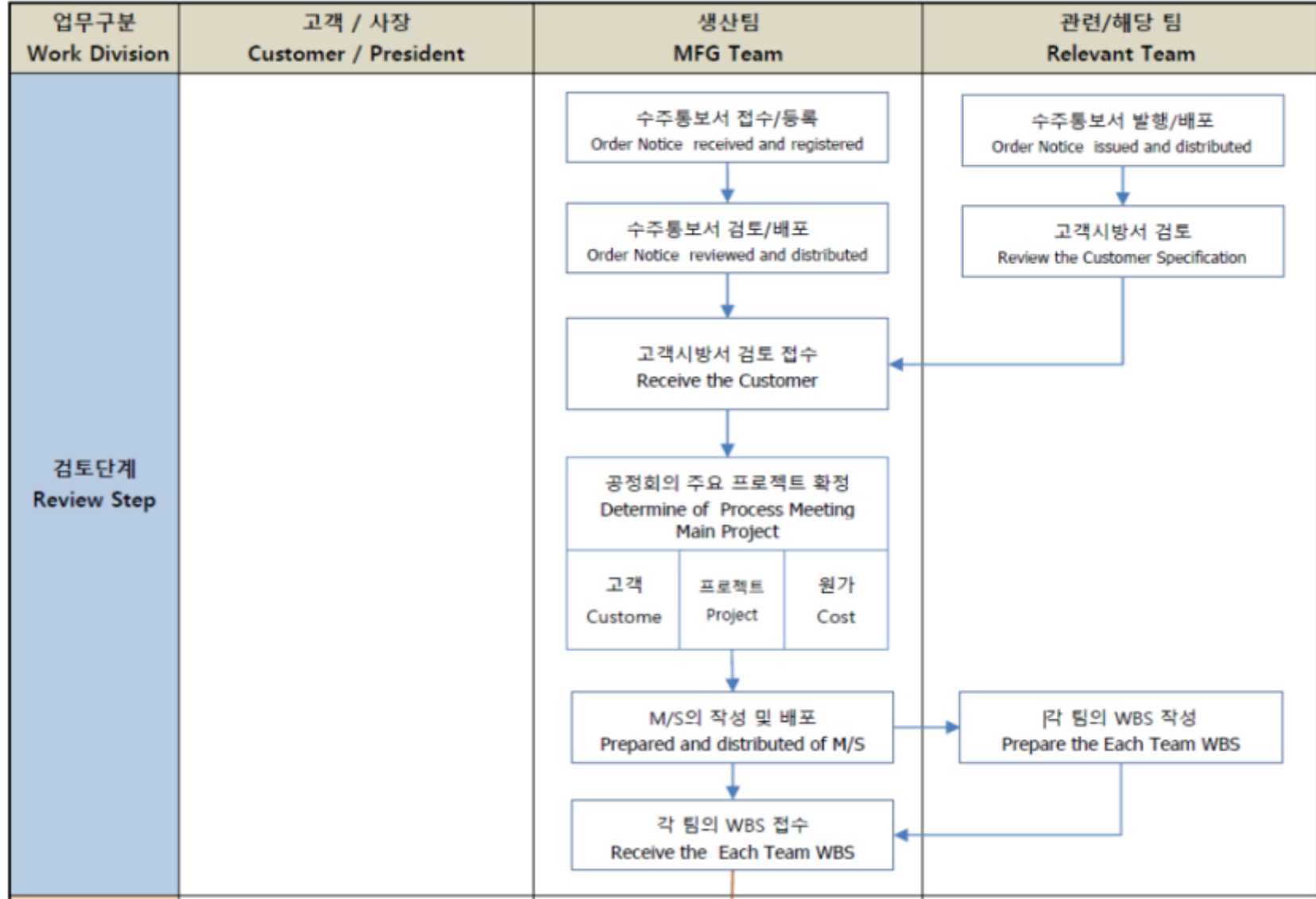
Visualized Ball strainer Model (Scale down)

- Performance Simulation facilities

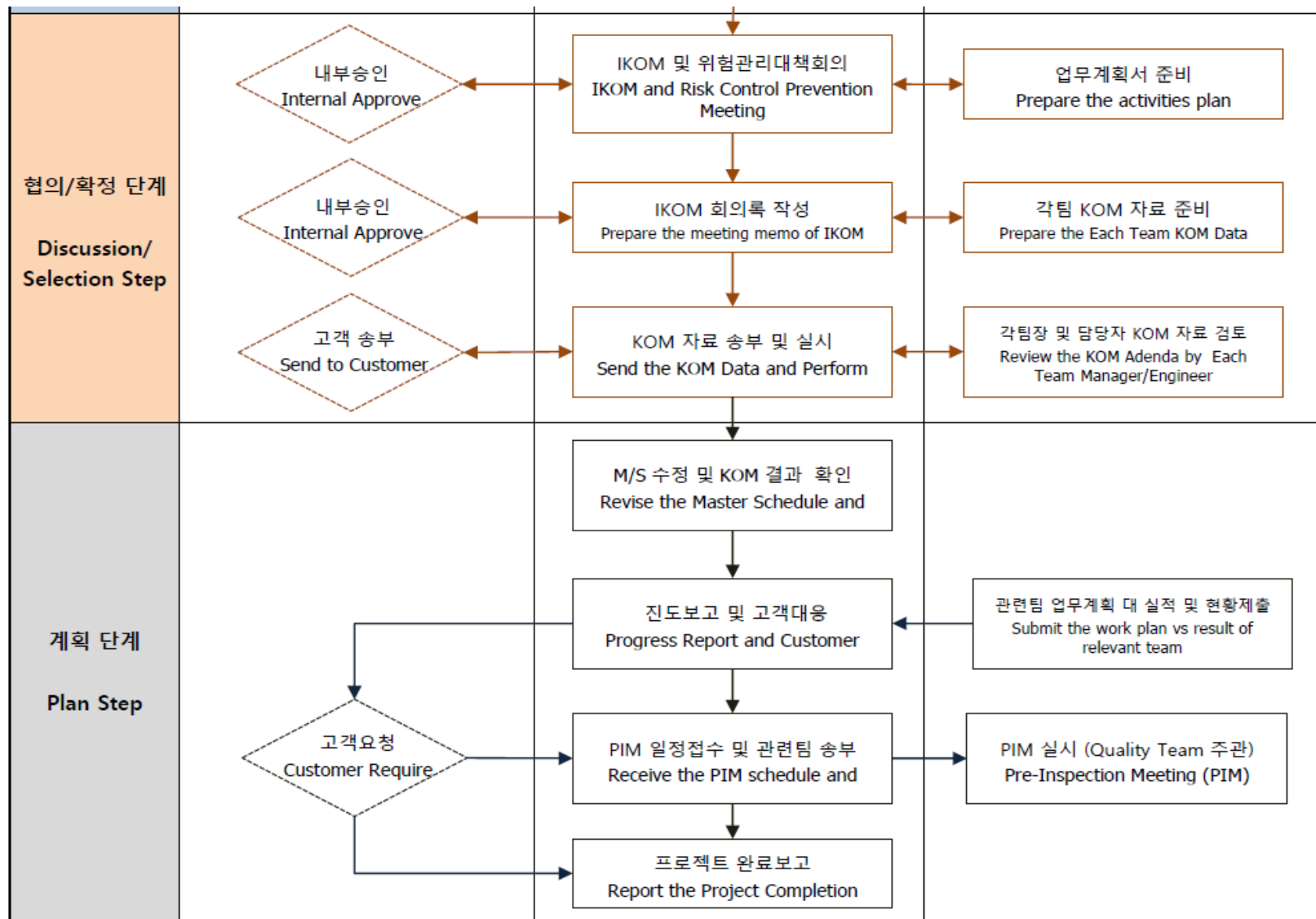
Ball counter & Monitoring devices







(*)M/S : Mater Schedule, WBS : Work Breakdown Structure



(*)IKOM : Internal Kick Off Meeting



<Skid Module Part>



<Filtration Part>



<Piping Part>



<Static Equipment Part>

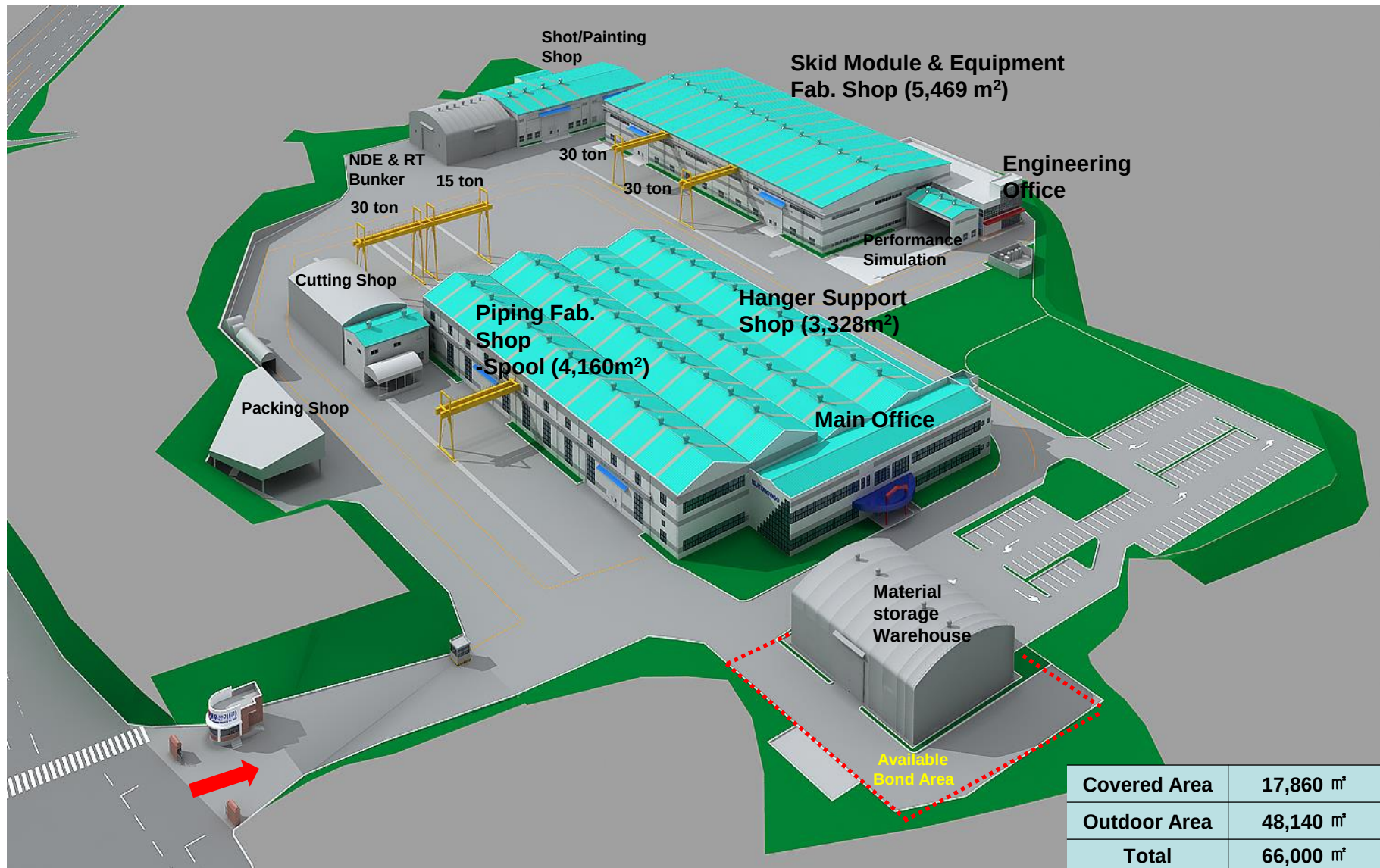
Production Capacity

Description	Capacity (Year)	Q'ty per a year
Condenser Tube Cleaning System & Debris Filter	500~1,000MW	250 Units
Skid Modules		150 Units
Spring Hanger & Supports / Cryogenic Pipe Support	500~1,000MW	12,000 Tons
Shop Fabricated Piping	-	10,000 Tons
Strainers & Filters	-	3,000 Units

Handling & Transportation Capacity

Maximum Handling weight : 60 ton

Transportation size : Width 4m x Height 4m x Length 18m





<Facing / Band Sawing Machine>



<Radial Drilling Machine>



<Hydraulic Press>



<Overhead Crane>



<Low Pressure Foaming Machine>



<CNC Wire Cutting Machine>



<HGR Test Machine>



<Welding Machine>



<Bending Machine>

Description	Capacity	Qt'y
Gas Cutting M/C	3,000W x 6,000L	2
Bending M/C	60Tons x 3,200L X 40t	1
Band Sawing M/C	OD 1,000mm	3
Bevel Machine	OD 1,000mm	1
Hydraulic Press	300 Tons	2
Lathe	φ1,250 X3,000L	6
Milling M/C	φ280 X 1,100L	2
Radial Drilling M/C	1,500D / 1,150D	4

Description	Capacity	Qt'y
Plasma Cutting M/C	1,000A	2
Auto Welding M/C	1,500A	4
Gouging Welding M/C	1,500A/ 800A	2
Arc /CO ₂ / Tig Welding M/C	650A/ 500A	40
Gantry Crane	30 Tons / 15 Tons / 10Tons / 5Ton	2 / 2 / 2 /1
Shot Blast Room	15,500L X 7,700W X 6,500H	1
Paint Booth	15,300L X 6,000W X 6,000H	1
Overhead Crane	30/10Tons, 20/5Tons, 15/5Ton 5Tons, 3Tons	2/2/2/8/4



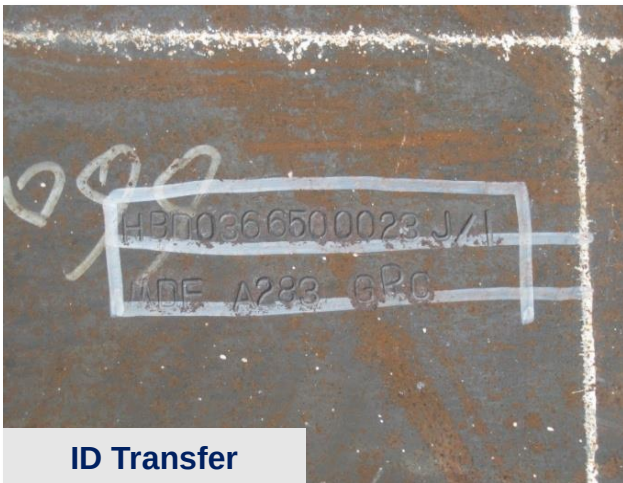
Material Receiving & inspection area



CNC Cutting Machine



Color Coding System



ID Transfer



Tool Box Meeting



Welding with Manipulators





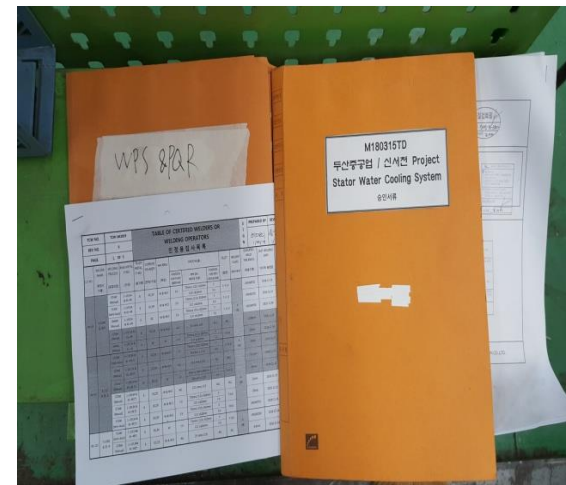
Bending roller



Welding and assembly



Stainless dedicated welding shop



WPS control



整理 1) SEIRI = Sort
 整顿 2) SEITON = Set
 清潔 3) SEISOU = Shine
 清掃 4) SEIKETSU = Standardise
 躰 5) SHITSUKE = Sustain



Various type of molds



Injection Machine



JIMC fully
equipped his
own capability
for forming &
Machining
including
various Molds



Forming



CNC Control Room



CNC Wire cutting Machining for the Urethane blocks



Schedule control in Work floor



Skid module assembly



Heat Exchanger Bundle assembly



FAT (Factory Acceptance Test)

Packing and transportation



Sea worthy packing with Fumigation





Radiographic test bunker



Shot blasting & Paint booth



Radiographic test bunker control panel



Humidity and temperature is under-control



Hartford Steam Boiler

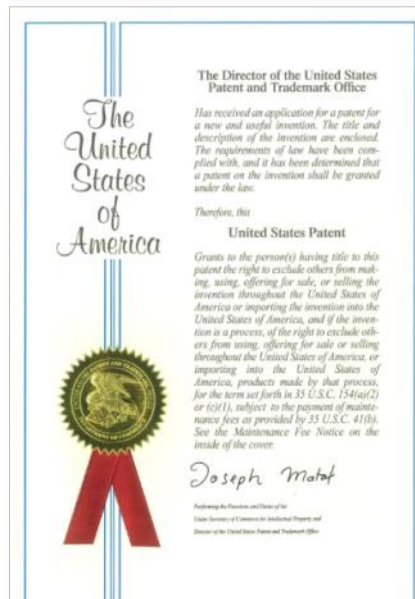


NO	인증서명 CERT. NAME	인증서 번호 CERT. NO.	적용 범위 SCOPE	인증일자 CERT. DATE	만료일자 EXPIRE DATE	비고 REMARKS
1	ISO 9001 품질경영시스템	Q 134	발전설비 및 화공설비의 기기와 관련된 설계/개발 및 제작 Design/Development, Manufacturing related to Components of Power Plant Equipments and Chemical Plant Equipments	2021-11-27	2024-11-26	
2	ISO 14001 환경경영시스템	E 134	발전설비 및 화공설비의 기기와 관련된 설계/개발 및 제작 Design/Development, Manufacturing related to Components of Power Plant Equipments and Chemical Plant Equipments	2021-9-29	2024-09-28	
3	ISO 45001 안전보건경영시스템	O 134	발전설비 및 화공설비의 기기와 관련된 설계/개발 및 제작 Design/Development, Manufacturing related to Components of Power Plant Equipments and Chemical Plant Equipments	2021-09-29	2024-09-28	
4	ASME "U"	32,703	Manufacture of pressure vessels at the above location only and filed sites controlled by the above location (This authorization does not cover impregnated graphite) 압력용기의 제작 및 현장 조립	2022-07-13	2025-07-13	
5	ASME "U2"	34,626	Manufacture of pressure vessels at the above location and filed sites controlled by the above location 특수압력용기의 제작 및 현장 조립	2022-07-13	2025-07-13	
6	ASME "S"	34,625	Manufacture and assembly of power boilers at the above location and field sites controlled by the above location 일반보일러의 제작 및 현장 조립	2022-07-13	2025-07-13	



kepik 전력산업기술기준
Korea Electric Power Industry Code

NO	인증서명 CERT. NAME	인증서 번호 CERT. NO.	적용 범위 SCOPE	인증일자 CERT. DATE	만료일자 EXPIRE DATE	비고 REMARKS
7	ASME "PP"	32,702	Fabrication and assembly of pressure piping at the above location and field sites controlled by the above location 배관(부품)의 제작 및 현장 조립	2022-07-13	2025-07-13	
8	KEPIC	MN-178	- 23-MC 등급 용기 23 등급 저장탱크의 건조 - 23-MC 등급 부품과 부속물, 기기 지지물, 배관 지지물 및 표준 지지물의 제작 (설계 포함) - 23-MC 등급 용가재를 사용한 관제품 및 23등급 배관반조립품의 제작 - 23-MC 등급 공장 조립 - 재료업체로서 상기 품목 및 등급과 관련한 철강재료, 비철금속재료, 용접 재료의 공급 - Construction of the Class 2-3-MC vessels and Class 2-3 storage tanks - Fabrication of Class 2-3-MC parts & appurtenance, component supports, piping supports, and standard supports (including design scope) - Fabrication of Class 2-3-MC tubular products welded with filler metal and piping subassembly - Class 2-3-MC shop assembly - Material Organization supplying ferrous, nonferrous and welding material related to above items	2019-12-27	2022-12-26	
9	EN ISO 3834-2	01 240 ROK/A-21 0030	용접품질관리시스템 Welding Quality Management System Manufacturing of - Pressure Equipment or parts for pressure equipment	2021-06-16	2024-06-15	



Patent No.	Title of the Invention	Registration Date
10-1384109	Apparatus for Counting Ball	2014. 04. 04.
10-1432521	Ball Recirculation Apparatus	2014. 08. 14.
10-1467985	Debris Filter Apparatus	2014. 11. 26.
10-1687752	Strainer for Sea or Fresh Water Flow Pipe Having a Strong Structure against Back Flow Pressure and Manufacturing Method for the Same	2016. 12. 13.
US 9,835,393 B2	APPARATUS FOR CIRCULATING BALLS FOR CLEANING A PIPE LINE	2017. 12. 05.



Domestic



Global Agents



Kuwait



Indonesia



Sunrise Marketing Services

India

Song Shan Iron Works Ltd.
(松山鐵工廠股份有限公司)

Taiwan



U.A.E



Malaysia

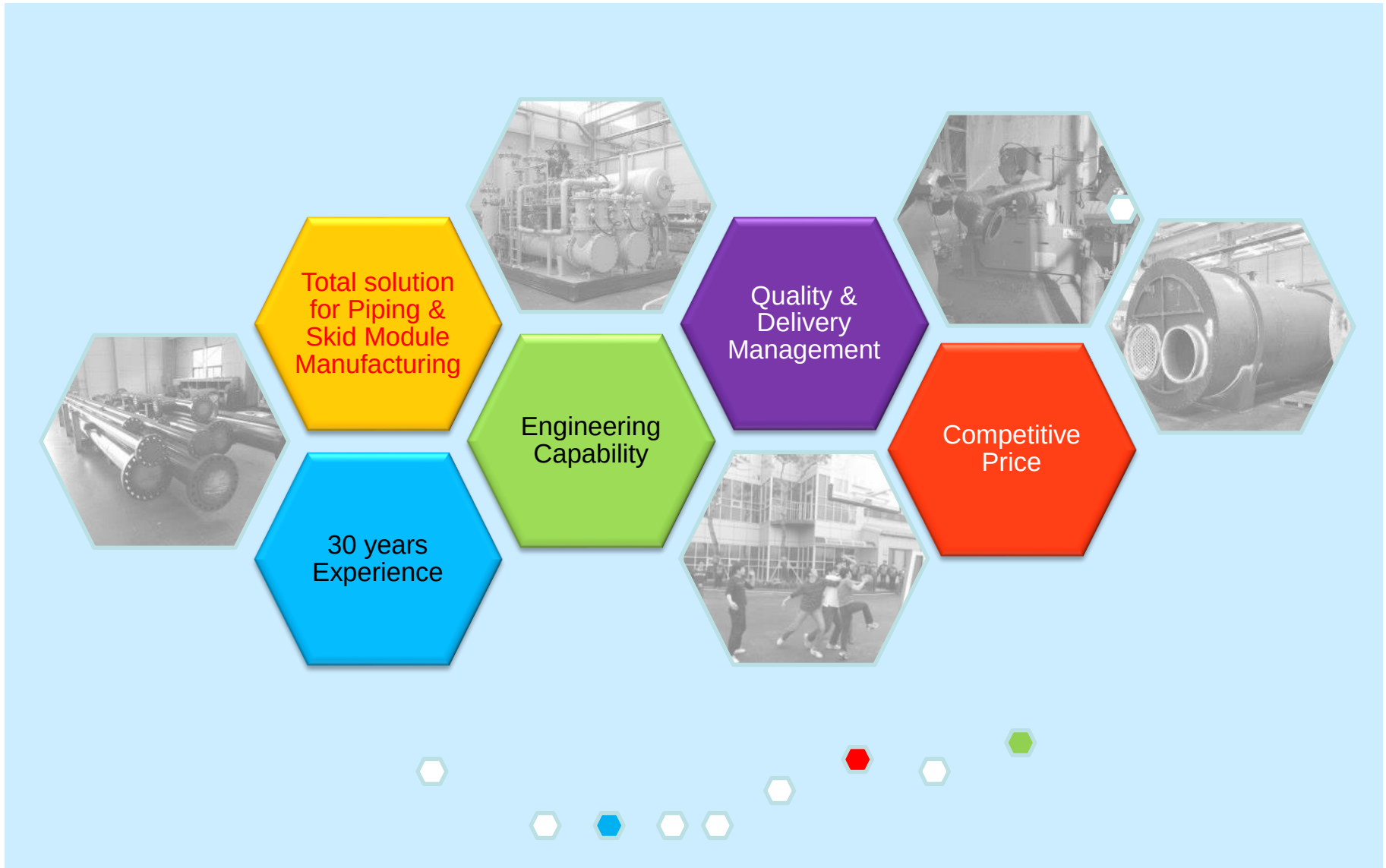


U.S.A



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