

A high-speed photograph of a globe representing Earth splashing into a body of water. The globe is tilted, showing the continents of North and South America. Water droplets are frozen in mid-air around the globe, creating a dynamic and textured scene. The background is a soft, out-of-focus blue.

SHIN SHIN MACHINERY



INDEX

1) Introduction of your Company

① Brief History

② Financial Report (Including Balance Sheets, Statements of Income, etc)

2) Quality Manual & Quality Assurance System

3) Catalog or Brochures

4) Manufacturing Facilities and Its Specification

5) Reference List

6) End User Certificate

7) Others Certificates



Introduction of your Company



Overview

Year of establishment : 1969 (49 years)

Employees : 160 people

Location : Busan, Korea (Headquarter) / Seoul (Sales Division)

Main Item : CWP, CEP, DH Pump, Gear Pump

Business Area : Nuclear & Power, Marine, Petrochemical



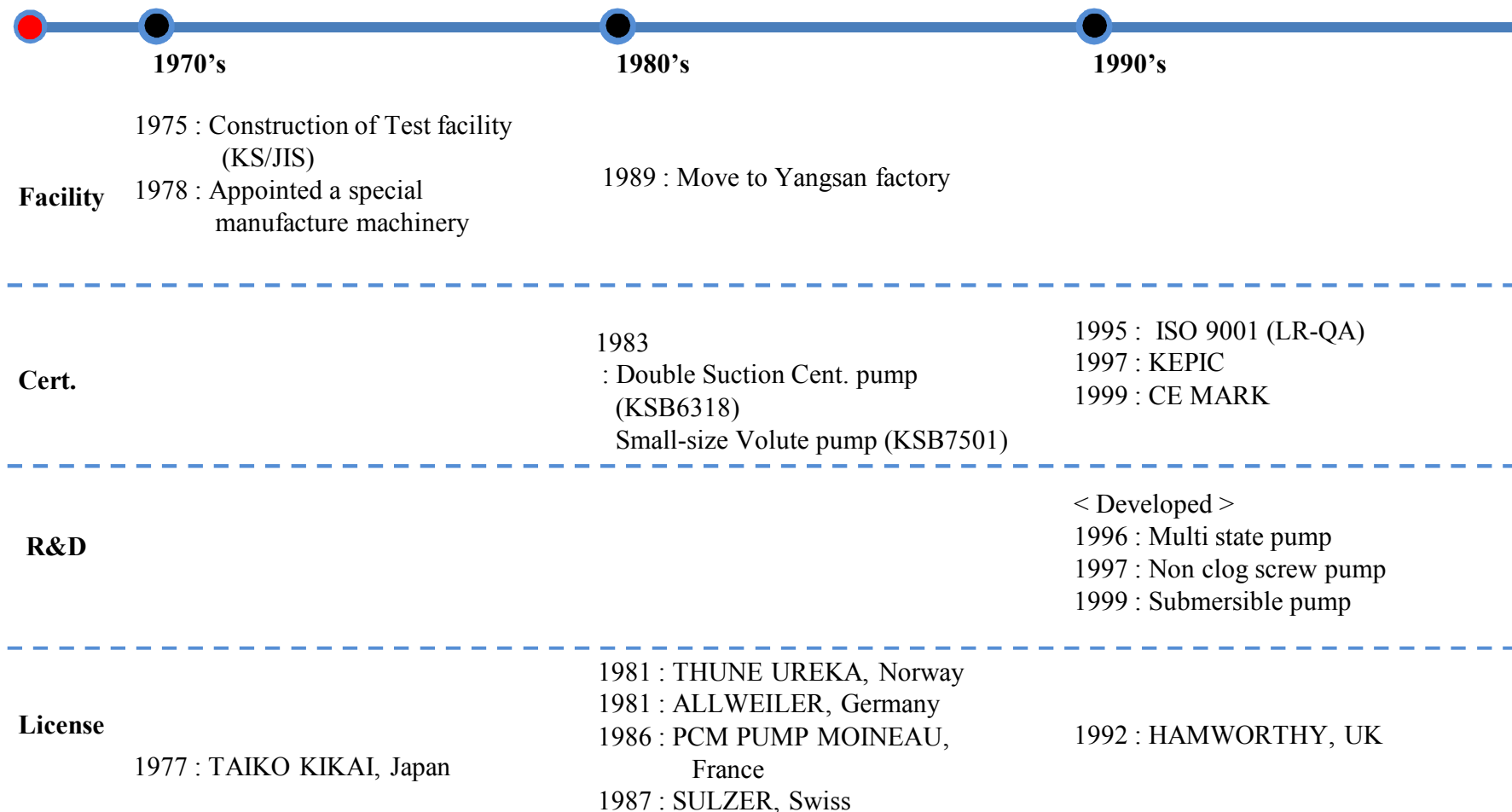
Key Figures

Avg. Annual Sales : \$ 40 million USD



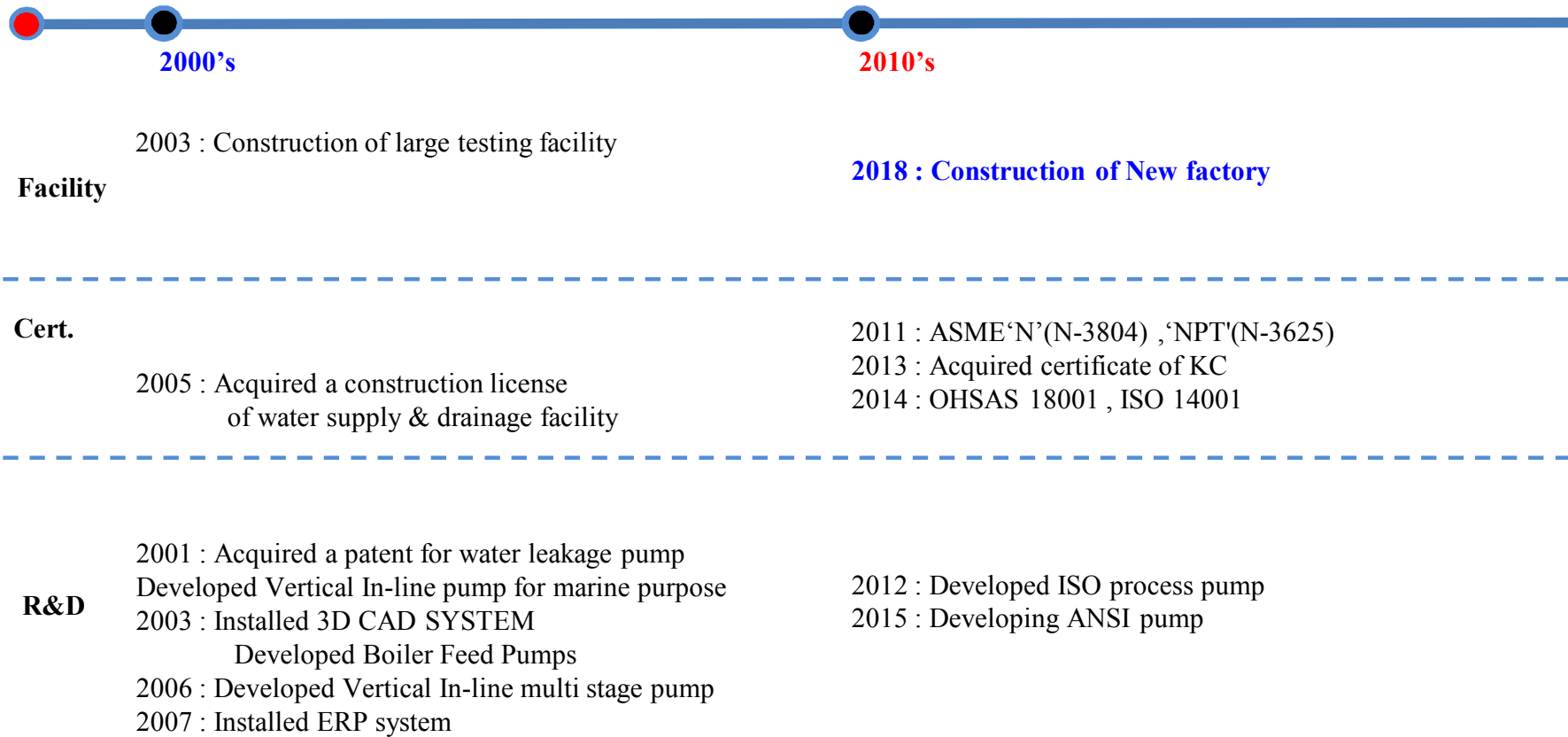


Brief Profile





Brief Profile



Financial Report

발급번호 Issuance No.	표준재무제표증명 Certificate of Standard Financial Statements		처리기간 Processing Time
6368-506-2923-921	☐ 개인 Individual ☒ 법인 Corporation		즉 시 Immediately
상 호(법인명) Name of company	(주) 신신기계 SHIN SHIN MACHINERY CO.,LTD.	사업자등록번호 Business registration number	621-81-14256
성 명(대표자) Name of representative	김종혁 외 1 명 Kim Jong Hyeog and 1 other	주민(법인)등록번호 Resident (Corporation) registration number	180111-*****
업 태 Type of Business	제조 Manufacturing		
종 목 Business item	펌프,수중펌프, 밸브류 Manufacture of Fluid Power Equipment		
사 업 장 Business Address	부산광역시 기장군 정관읍 농공길 85 85, Nonggong-gil, Jeonggan-eup, Gijang-gun, Busan, Republic of Korea		
사 업 연 도 Tax year	2017.01.01 - 2017.12.31	첨부서류명 List of attachment documents	표준재무제표 Standard Balance Sheet 표준소득세신고서 Standard Income Statement 부속명세서 Supplementary Statement
신고구분 Type of Return	- 정기신고 Tax Return within due date	신고일 Date of submission	2018년(Year) 3월(Month) 28일(Day)
불임의 표준재무제표는 과세표준 신고서 세무서에 제출한 표준재무제표와 같음을 증명합니다. I certify that the attached standard financial statements are equal to the financial statements for income tax base submitted by the company to the district tax office.			
2018년(Year) 8월(Month) 23일(Day)			
접 수 번 호 Receipt No.	501120543697		
담 당 부 서 Department	민원봉사실 Taxpayer Service Center		
담 당 자 Staff in charge	이정민 lee jung-min		
연 락 처 Telephone No.	051-516-9939		

금정세무서장

Head of Geumjeong District Tax Office (Stamp)

Standard Balance Sheet (General Corporation)					
(Unit: KRW)					
Business Registration No.	621 - 81 - 14256	Name of company	SHIN SHIN MACHINERY CO.,LTD.	As of	12 . 31 . 2017
Corporation Registration No.	180111-*****			(mm, dd, yyyy)	
Description	Code	Amount	Description	Code	Amount
I.Current assets	001	28,936,013,161	1.Accrued income	068	78,111,003
(1)Quick assets	002	20,004,490,107	2.Prepaid expenses	069	89,925,519
1.Cash and cash equivalents	003	4,511,151,934	II.Non-current assets	080	30,603,477,890
2.Short-term due from banks	004	4,115,000,000	(1)Investments	081	7,286,598,893
3.Securities	005	950,705,702	1.Long-term due from banks	082	868,367,715
a.Trading securities	006	163,111,000	2.Long-term securities	083	6,418,231,178
b . C u r r e n t available-for-sale securities	007	787,594,702	a.Available-for-sale securities	084	6,418,231,178
4.Accounts receivable	009	9,898,401,342	(2)Tangible assets	110	20,293,012,587
a.Trade receivable	010	11,184,482,652	1.Land	111	11,402,824,105
(Allowance for bad debts)	011	2,885,467,804	2.Buildings	114	5,981,683,244
b.Notes receivable	012	1,633,492,153	(Accumulated depreciation)	115	2,718,954,173
(Allowance for bad debts)	013	34,105,659	3.Structures	118	565,681,324
6.Other receivables	031	770,510	(Accumulated depreciation)	119	435,117,250
c.Others	036	770,510	4.Machineries	122	9,801,841,669
7.Prepayments	038	353,044,082	(Accumulated depreciation)	123	8,373,384,014
8.Other quick assets	039	175,416,537	7.Vehicles	134	444,774,101
(2)Inventories	044	8,763,486,532	(Accumulated depreciation)	135	425,018,612
1.Merchandise	045	159,830,000	8.Tangible assets in progress	138	3,122,796,000
2.Finished goods	046	619,238,440	11.Other tangible assets	149	5,423,405,048
3.Semi-finished goods	047	2,696,136,303	(Accumulated depreciation)	150	4,497,518,855
4.Work in process	048	2,461,313,426	(3)Intangible assets	169	0
6.Raw material	050	2,826,968,363	(4)Other non-current assets	194	3,023,866,410
a.Raw material	051	2,679,179,580	4.Deposits paid	217	1,800,165,000
b.Subsidiary material	052	147,788,783	a.Deposits paid for rental	218	1,800,165,000
(3)Other current assets	067	168,036,522	6.Other non-current assets	223	1,223,701,410

Financial Report

Standard Balance Sheet (General Corporation)						(Unit: KRW)
Business Registration No.	621 - 81 - 14256	Name of company	SHIN SHIN MACHINERY CO., LTD.	As of	12 . 31 . 2017	
Corporation Registration No.	180111-*****			(mm, dd, yyyy)		
Description	Code	Amount	Description	Code	Amount	
Total assets (I+II)	228	59,539,491,051	V.Capital adjustments	348	0	
I.Current liabilities	229	5,096,036,139	VI.Accumulated other comprehensive income(loss)	381	525,869,937	
1.Accounts payable	230	3,222,303,948	1.Gain(loss) on remeasurement of available-for-sale securities	382	525,869,937	
a.Trade payable	231	1,072,757,751	VII.Retained earnings	372	49,868,034,975	
b.Notes payable	232	2,149,546,197	1.Legal reserve	373	816,263,858	
3.Other payables	238	291,461,577	4.Other voluntary reserve	376	2,101,803,510	
a.Unpaid corporate income tax	239	12,690,195	5.Unappropriated retained earnings (undisposed accumulated deficit)	381	46,949,967,607	
c.Other payables	241	278,771,382	Total equity (III+~ VII)	382	52,940,454,912	
4.Advances	242	459,759,007	Total liabilities and equity	383	59,539,491,051	
c.Others	245	459,759,007				
5.Withholding accounts	246	426,388,575				
a.Value added tax withheld	247	282,921,635				
d.Other withholding accounts	250	143,466,940				
6.Accrued expenses	251	696,123,032				
II.Non-current liabilities	284	1,503,000,000				
3.Long-term borrowings	289	1,500,000,000				
c.Others	294	1,500,000,000				
7.Post-employment benefit obligations	309	5,356,419,732				
(Deposits in National Pension Fund)	311	16,574,500				
(Management assets for retirement pension)	313	5,339,845,232				
14.Other non-current liabilities	328	3,000,000				
Total liabilities(I+II)	333	6,599,036,139				
III.Capital	334	2,546,550,000				
1.Capital of ordinary shares	335	2,546,550,000				
IV.Capital reserve	337	0				

From 01. 01. 2017			Standard Income Statement (General Corporation)		Name of company		SHIN SHIN MACHINERY CO.,LTD.	
To 12. 31. 2017					Business Registration No.		621 - 81 - 14256	
(Unit: KRW)								
Description		Code	Amount	Description		Code	Amount	
I.Sales		001	38,695,654,507	3.Insurance		078	72,332,960	
1.Sales of merchandise		002	1,351,539,882	4.Fringe benefits		079	411,986,757	
a.Domestic sales of merchandise		003	1,006,022,882	5.Travel expenses		080	85,917,375	
b.Export sales of merchandise		004	345,517,000	6.Rental expenses		081	144,867,000	
2.Sales of finished goods		005	37,344,114,625	c.Other rental expenses (include lease)		084	144,867,000	
a.Domestic sales of finished goods		006	31,326,315,049	7.Entertainment expenses		085	81,052,546	
b.Export sales of finished goods		007	6,017,799,576	8.Depreciation on tangible assets		086	60,688,865	
II.Cost of sales		035	32,836,314,604	10.Taxes and dues		090	338,160,187	
(1)Cost of merchandise sold		036	808,987,997	11.Advertising expenses (include sales promotion expenses)		091	85,482,201	
1.Beginning inventory		037	23,568,000	13.Vehicle maintenance (include gas and oil expenses)		093	48,828,643	
2.Cost of purchase for current period		038	945,249,997	20.Commissions		104	573,442,654	
4.Ending inventory		040	159,830,000	a.Domestic commissions		105	573,442,654	
(2) Cost of goods manufactured		042	32,027,326,607	22.Consumables expenses		108	21,874,431	
1.Beginning inventory		043	338,301,127	23.Communication expenses		109	34,759,806	
2.Total cost for current period (a form attached)		044	32,308,263,920	24.Transportation expenses		110	248,852,801	
4.Ending inventory		046	619,238,440	27.Repair expenses		113	5,319,682	
III.Gross profit(loss)		055	5,859,339,903	28.Utilities expenses (exclude electricity expenses)		114	6,647,150	
IV.Selling and administrative expenses		057	5,232,283,392	30.Printing Expenses		116	7,878,664	
1.Salaries		068	2,523,234,312	31.Training Expenses		117	2,701,952	
a.Salaries of directors		069	813,495,714	36.Other		124	201,354,586	
b.Salaries of employees		070	1,192,841,277	V.Operating profit(loss)		129	627,056,511	
d.Bonuses of employees		072	516,897,321	VI.Non-operating income		130	2,096,744,103	
2.Post-employment benefits		074	276,900,820	1.Interest income		131	342,867,271	
a.Post-employment benefits of directors		075	55,952,846	2.Dividend income		132	121,640,400	
b.Post-employment benefits of employees		076	220,947,974	4.Gain on disposal of securities		134	896,357,798	

Financial Report

From 01. 01. 2017		Standard Income Statement (General Corporation)		Name of company		SHIN SHIN MACHINERY CO., LTD.	
To 12. 31. 2017				Business Registration No.		621 - 81 - 14256	
(Unit: KRW)							
Description		Code	Amount	Description		Code	Amount
a. Gain on disposal of trading securities		135	21,627,700				
b. Gain on disposal of available-for-sale securities		136	874,730,098				
6. Gain on valuation of short-term investments		139	25,672,500				
7. Gain on foreign exchange differences on settlement		140	19,651,271				
13. Gain on disposal of tangible assets		151	26,000,000				
c. Gain on disposal of machineries		154	26,000,000				
28. Others		174	664,554,863				
VII. Non-operating expenses		179	1,216,570,448				
1. Interest expenses		180	19,278,855				
3. Loss on disposal of securities		182	88,058,160				
a. Loss on disposal of trading securities		183	2,048,850				
b. Loss on disposal of available-for-sale securities		184	86,009,310				
5. Loss on valuation of short-term investments		187	2,967,000				
7. Loss on foreign exchange differences on settlement		189	261,790,193				
8. Loss on foreign exchange differences on translation		190	769,055,280				
13. Loss on disposal of tangible assets		200	65,860,136				
b. Loss on disposal of buildings		202	44,336,673				
c. Loss on disposal of machineries		203	9,032,638				
d. Loss on disposal of other tangible assets		204	12,490,825				
15. Donations		206	100,000				
21. Others		212	9,460,824				
VII. Net income (loss) before income tax expenses		217	1,507,230,166				
IX. Income tax expenses		218	17,295,610				
X. Net income (loss)		219	1,489,934,556				

Supplementary Statement (Manufacturing Cost Statement)						(Unit: KRW)
Business Registration No. 621-81-14256		Name of company SHIN SHIN MACHINERY CO.,LTD.		From 01 . 01 . 2017 To 12 . 31 . 2017		
Description	Code	Amount	Description	Code	Amount	
I. Cost of raw material	01	19,742,376,696	13.Vehicles maintenance	28	50,007,653	
1.Beginning raw material	02	3,241,470,244	14.Processing expenses paid to subcontractors	29	1,171,455,664	
2.Purchase of raw material	03	19,327,874,815	15.Royalties of patent rights	30	0	
3.Ending raw material	04	2,826,968,363	16.Ordinary development expenses	31	996,545,826	
II.Labor cost	05	5,220,039,037	17.Research expenses	32	102,896,633	
1.Salaries	06	4,467,760,212	18.Packing expenses	33	304,094,930	
a.Salaries of directors	07	0	19.Entertainment expenses	34	15,412,630	
b.Salaries of employees	08	3,116,619,882	20.Commissions	35	1,269,798,381	
c.Bonuses of directors	09	0	21.Training expenses	36	4,781,880	
d.Bonuses of employees	10	1,351,140,330	22.Printing expenses	37	6,808,792	
2.Salaries for daily workers	11	43,309,950	23.Storage fee	38	0	
3.Post-employment benefits (include transfer to post-employment benefit obligation)	12	708,968,875	24.Others	39	68,000	
a.Post-employment benefits of directors	13	0	25.Others	40	0	
b.Post-employment benefits of employees	14	708,968,875	26.Others	41	0	
III.Expenses	15	7,889,013,942	27.Others	42	0	
1.Electricity expenses	16	331,098,972	28.Others	43	0	
2.Gas-Water-Oil expenses	17	14,645,455	IV.Total manufacturing cost for current period	44	32,851,429,675	
3.Transportation expenses	18	25,905,784	V.Beginning work in process	45	4,614,283,974	
4.Depreciation	19	1,319,556,924	VI.Total	46	37,465,713,649	
5.Repair expenses	20	514,274,091	VII.Ending work in process	47	5,157,449,729	
6.Consumables expenses	21	487,309,582	VIII.Transfer to other accounts	48	0	
7.Taxes and dues	22	22,347,430	IX.Manufacturing cost of finished goods for current period	49	32,308,263,920	
8.Rental expenses	23	308,235,000				
9.Insurance	24	13,154,510				
10.Fringe benefits	25	881,847,017				
11.Travel expenses	26	48,768,788				
12.Communication expenses	27	0				



Quality Manual & Assurance System

Quality Assurance Manual

QUALITY ASSURANCE MANUAL

KEPIC MN

- CONSTRUCTION OF CLASS 2,3 PUMP, PART, APPURTENANCE AND SUPPORTS
- SUPPLY OF FERROUS, NONFERROUS ,AND WELDING MATERIAL AS MATERIAL ORGANIZATION

ANI AND RPE ARE NOT APPLIED FOR THE CONSTRUCTION OF PUMP OF NON-SAFETY-RELATED(T/R-CLASS) EXCEPT PUMP DESIGNATED ABOVE

DOCUMENT No. : QAM-02

REVISION No. : 11

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- ☐ UNCONTROLLED COPY



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940-13, Yerim-Ri, Jeonggwan-Myeon, Gijang-Gun, Busan, Korea
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QUALITY ASSURANCE MANUAL

Doc. No. : QAM-02

Rev. No. : 11

CHAPTER 0.1 Table of Contents

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0.3	Quality Policy	6	11.20.2009
1.0	Organization	8	04.13.2011
2.0	Quality Assurance Program	8	04.13.2011
3.0	Design Control	5	11.20.2009
4.0	Procurement Document Control	4	11.20.2009
5.0	Instructions, Procedures, and Drawings	3	11.20.2009
6.0	Document Control	3	11.20.2009
7.0	Control of Purchased Items and Services	4	11.20.2009
8.0	Identification and Control of Items	3	11.20.2009
9.0	Control of Processes	4	11.20.2009
10.0	Inspection	3	11.20.2009
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Quality Assurance Manual

	QUALITY ASSURANCE MANUAL	Doc. No. : QAM-02
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	CHAPTER 0.2 Revision History	Page : 1 of 1

11	based on change of Chapter 1.2.16	Yu. S. S.	Lee. Y. C.	Lee. I. K.	
		04/13/11	04/13/11	04/13/11	
10	Change of responsibility and authority(training:From administration to QA Team)	Yu. S. S.	Lee. Y. C.	Lee. I. K.	Lee. J. H.
		11/20/09	11/20/09	11/20/09	11/20/09
9	change of all QAM based on change of organizational structure	Yu. S. S.	Kim. J. B.	Lee. I. K.	Lee. J. H.
		06/12/07	06/12/07	06/12/07	06/28/07
8	based on Management Review	Yu. S. S.	Kim. J. B.	Lee. M. W.	Lee. J. H.
		11/22/06	11/22/06	11/22/06	11/23/06
7	add the qualification testing under worst design conditions	Yu. S. S.	Kim. J. B.	Lee. M. W.	Lee. J. H.
		09/06/06	09/06/06	09/06/06	09/06/06
6	based on change of Organizational structure and add Chapter 11.1	Yu. S. S.	Kim. J. B.	Lee. M. W.	Lee. J. H.
		03/04/06	03/04/06	03/04/06	03/04/06
5	based on ANIS's comment (para 2.8.2/4.4.2)	Lee. Y. C.	Lee. Y. K.	Lee. M. W.	Cho. J. K.
		10/4/03	10/4/03	10/4/03	10/10/03
4	based on change of Organizational structure	Lee. Y. C.	Lee. Y. K.	Lee. M. W.	
		08/21/03	08/21/03	08/21/03	
3	based on change of Organizational structure	Lee. Y. C.	Lee. K. S.	Lee. M. W.	
		01/22/03	01/22/03	01/22/03	
2	based on KEPIC Code change	Kim. B. S.	Lee. K. S.	Kim. C. S.	Park. B. W.
		03/03/00	03/03/00	03/03/00	03/13/00
1	partially change	Kong. Y. S.	Lee. K. S.	Park. J. S.	
		02/05/97	02/05/97	02/05/97	
0	First issued	Kong. Y. S.	Kim. C. S.	Park. J. S.	
		08/10/96	08/10/96	08/10/96	
No.	History of Revision	Prepared by	Reviewed by	Approved by	ANIS
		SHIN SHIN MACHINERY CO., LTD.			

	QUALITY ASSURANCE MANUAL	Doc. No. : QAM-02
		Rev. No. : 6
	CHAPTER 0.3 QUALITY POLICY	Page : 1 of 1

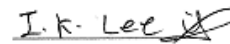
The QA Program is hereby established for SHIN SHIN MACHINERY CO., LTD. (#940-13, Yeim-Ri, Jeonggwan-Myeon, Gijang-Gun, Busan, Korea). We will do our best to achieve the quality by establishing and maintaining the QA program by the competent personnels to assure the safety and reliability of items for nuclear power plant in compliance with the requirements of the KEPIC MN, contract, code and standards. All SHIN SHIN organization and personnel managing or performing activities affecting quality are instructed to be responsible for their duties complying with this program.

The QA Team Manager is hereby given the responsibility and authority to establish and maintain the QA Program and to verify the adequate implementation of the QA Program. The QA Team Manager has sufficient authority, free access to work areas and organizational freedom from cost and schedule considerations to (1) identify quality problems; (2) initiate, recommend, or provide solutions to quality problems; (3) verify implementation of solutions to problems; and (4) assure that further processing, delivery or use is controlled until proper disposition of a nonconformance, deficiency or unsatisfactory condition has been properly completed.

The QA Team Manager is designated as Management Representative to establish and maintain the QA program, and to verify its implementation in accordance with KEPIC.

All SHIN SHIN management personnel are instructed to fully support to implement this QA program, and all Team managers shall assure that all his staffs shall achieve and maintain his proficiency and qualifications when required through indoctrination, training, and shall observe their organizational responsibility and authority as specified in the applicable Chapter of this QA Manual.

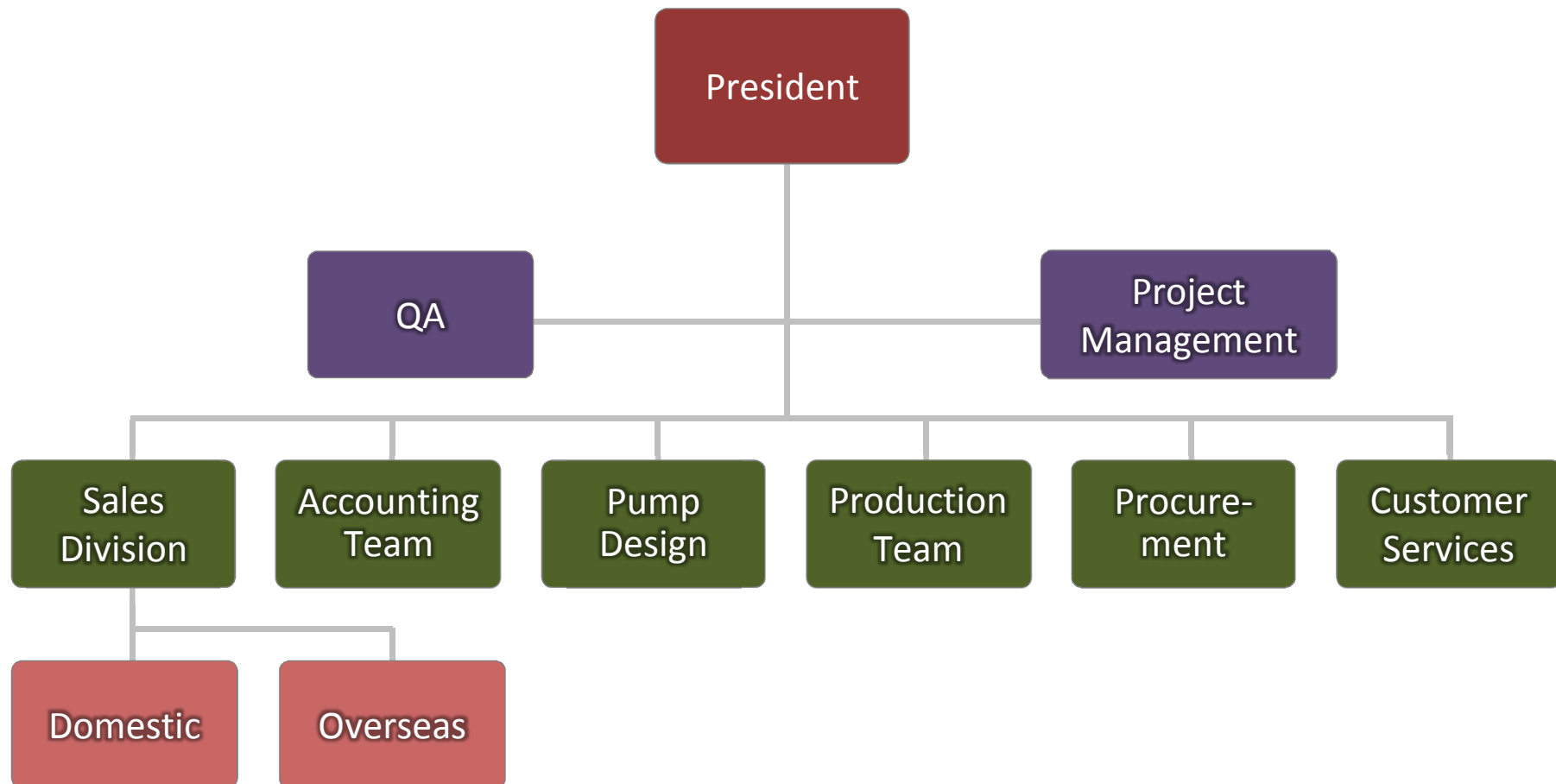
The QA Team Manager shall have free access to report me directly for significant quality matters including matters that can not be resolved within this QA program, and all resolution shall not conflict with the regulatory requirement, KEPIC requirement and contractual requirement.

I. K. Lee 
President

2011. 11. 20.
Date



Organization Chart





Brochure



Application



Marine : Over 10,000 pumps per year (Specialized in maritime pumps)



Nuclear : Over 20 projects including (Q-class, Seismic, KEPIC & ASME Holder)

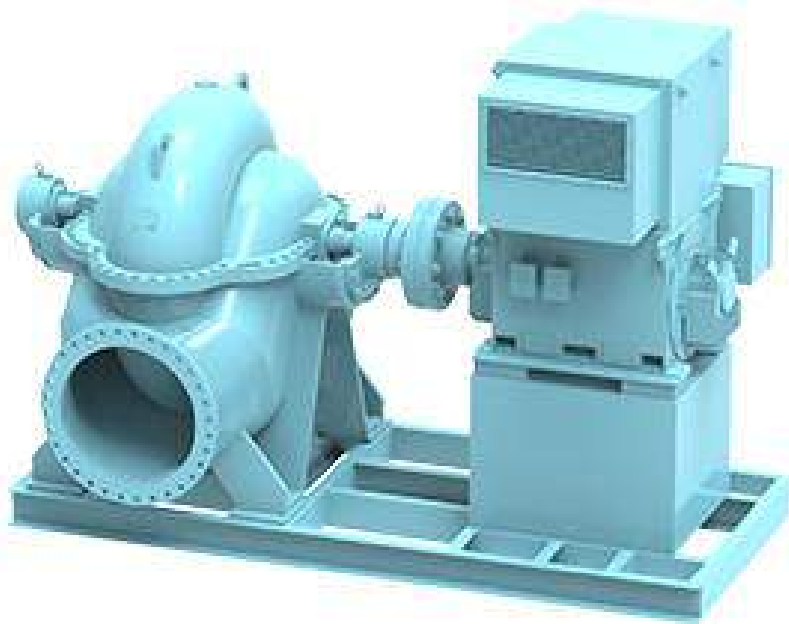


Power Plant : CWP, COP, BFP, GSP, Sump



Petrochemical : API610, ASME 73.1, ISO 2858

Products (DH Pump)



NDV

DOUBLE SUCTION (DVN) - Horizontal, Double Suction, Centrifugal Pumps

▣ Usage and Application

- Power plant and agriculture
- Pulp & paper industries
- Irrigation
- Water Supply
- General Plant

▣ Features

- Axially split casing for easy maintenance
- Great variety in metallic materials for corrosion and wear resistance
- Versatile to suit numerous application
- Possible to fit with fan type impeller for pulp and paper industries

▣ Specification

- Capacity : 3 m³/min ~ 300 m³/min
- Head : 8 m ~ 190 m
- Suction Dimension : ϕ 200 mm ~ ϕ 1300 mm
- Rotation Direction : CW

Products (Vertical CWP)



SDF-P

VERTICAL MIXED FLOW PUMPS (SDF-P)

▣ Usage and Application

- General industries : For Water intake, Supply, Drainage
- Thermal power plant : For Cooling water, Circulation
- Nuclear power plant : For Circulation, Cooling water

▣ Features

- The pumps shall be pullout type designed to removed all internals
- without disturbing the discharge columnn or other major componemts
- Rotation : C.W when viewed from driver
- Installation place : Indoor and Outdoor
- Impeller : Open or Semi open type having blade of 3 Dimension

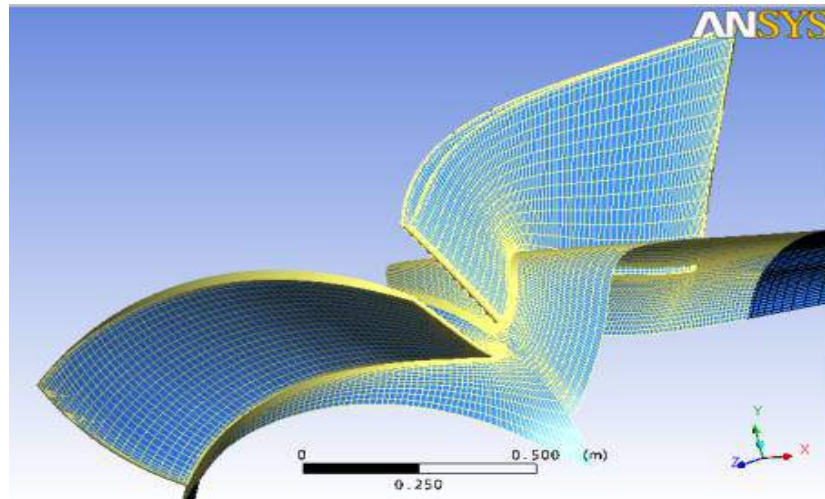
▣ Specification

- Total Head : 10~50m
- Discharge flow : 50~1200m³/min
- Temperature : 0~40℃
- Bore : 500mm~3000mm

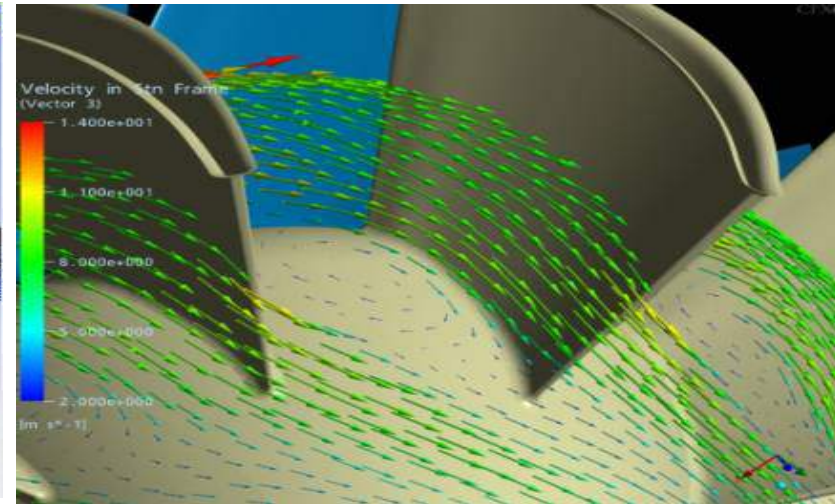
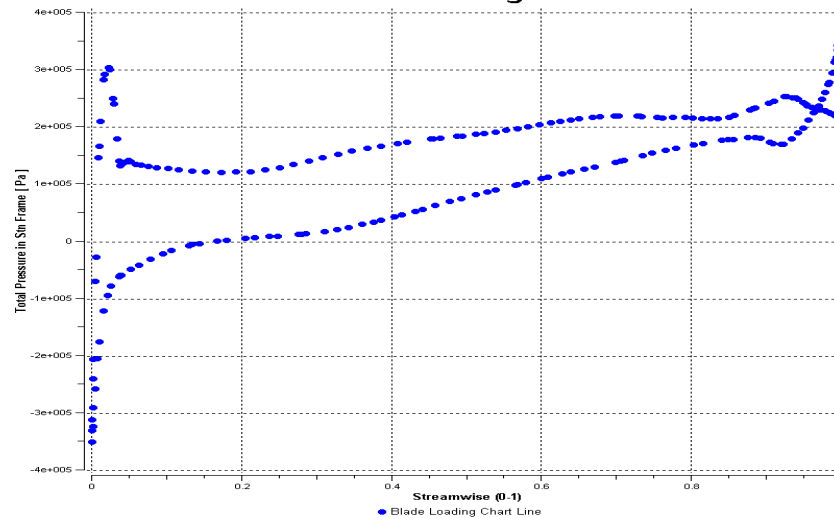


Research & Development

Hydraulic Parts (CFD)



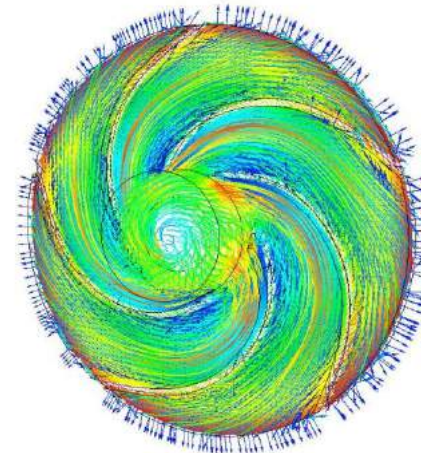
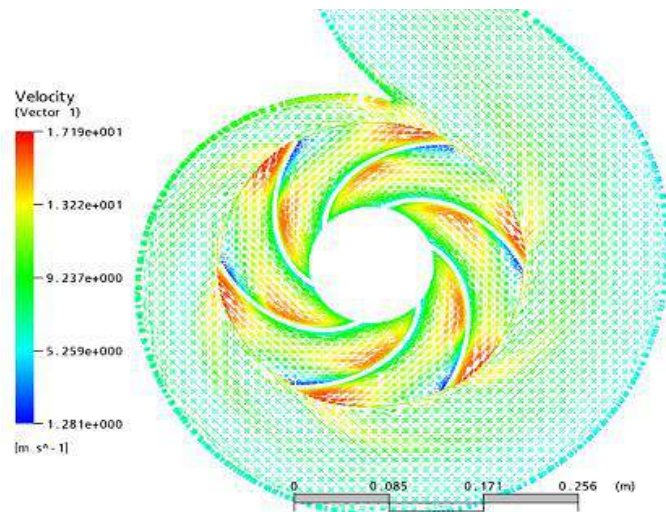
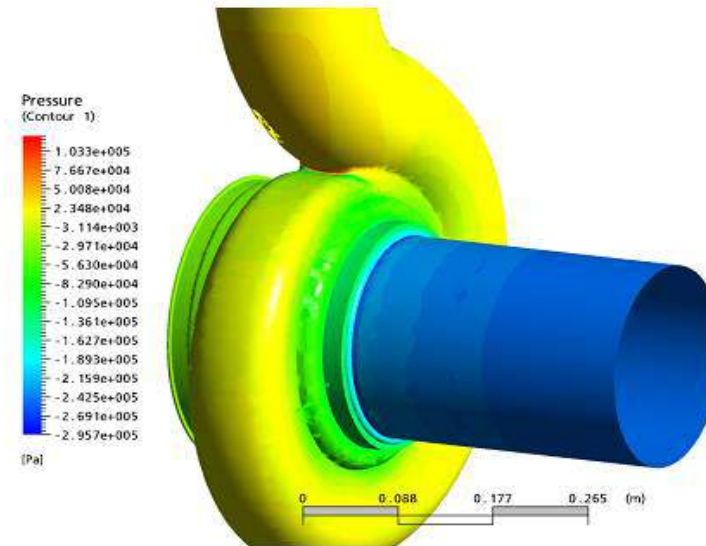
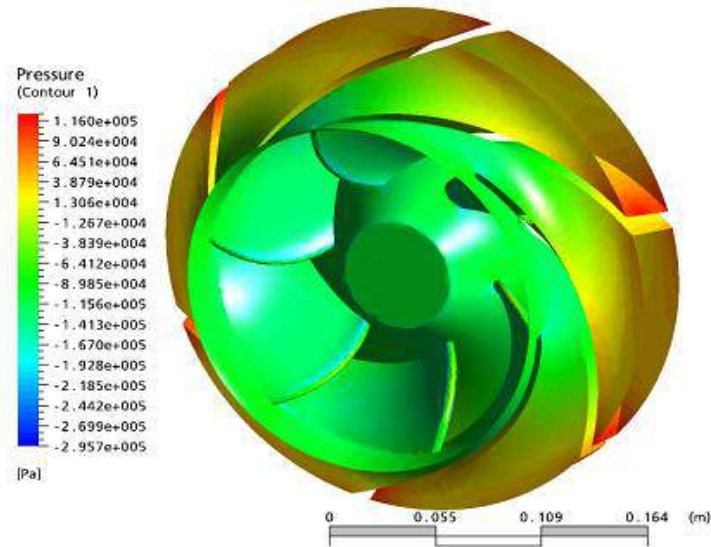
Blade Loading Chart





Research & Development

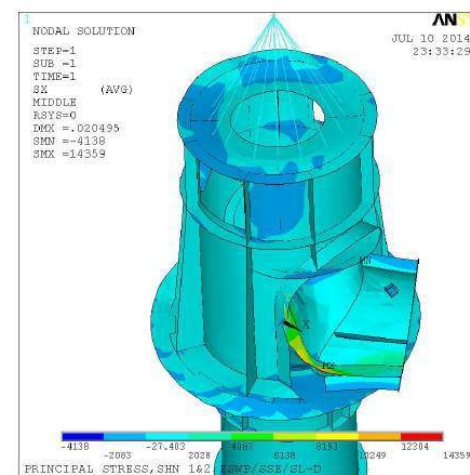
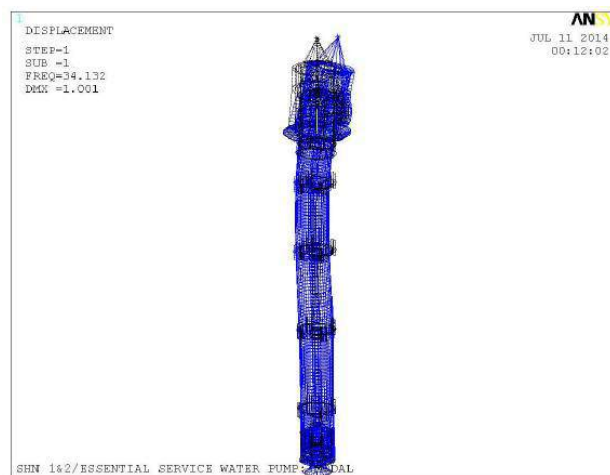
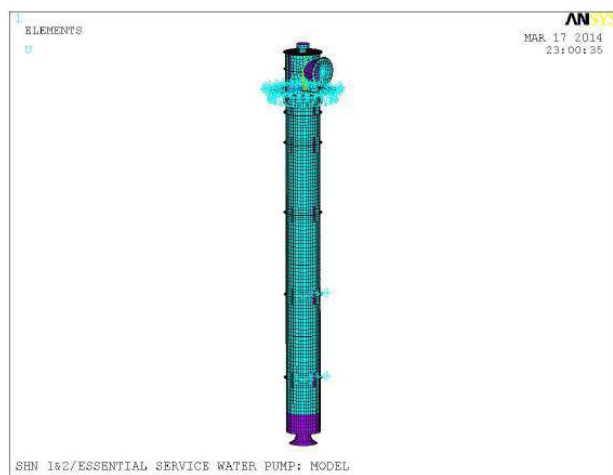
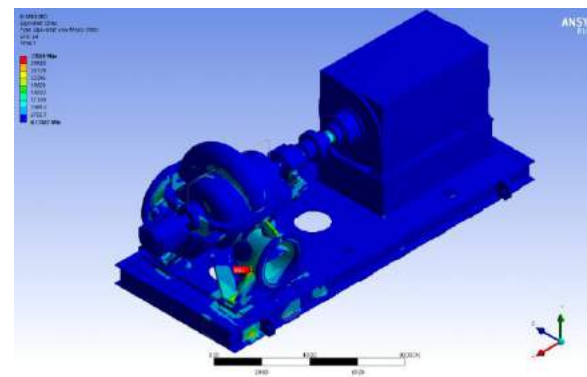
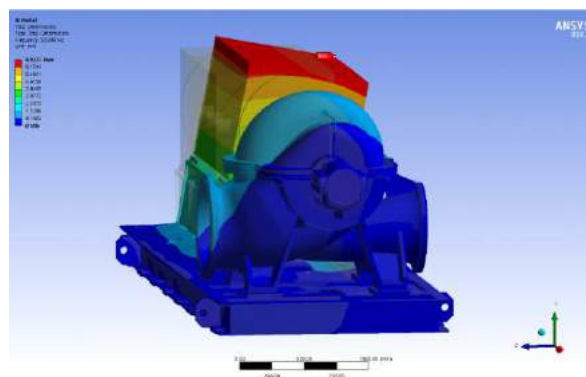
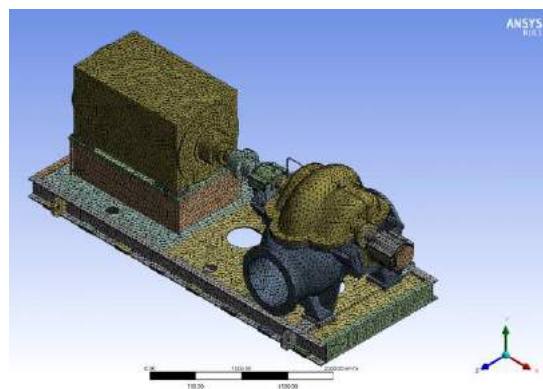
Hydraulic Parts (CFD)





Research & Development

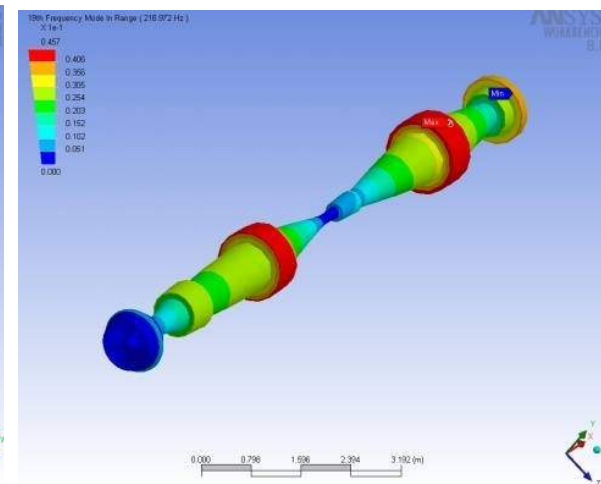
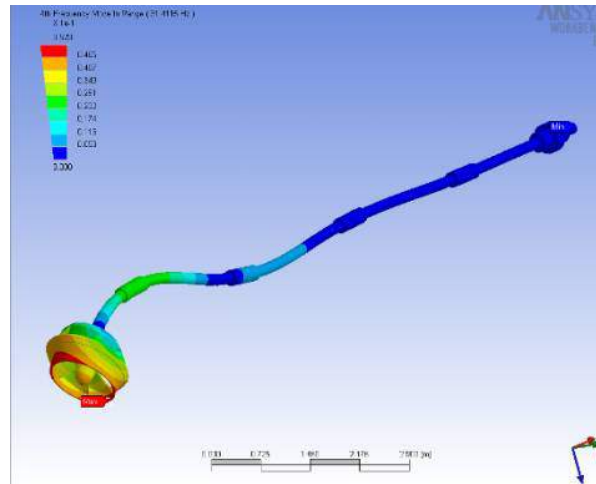
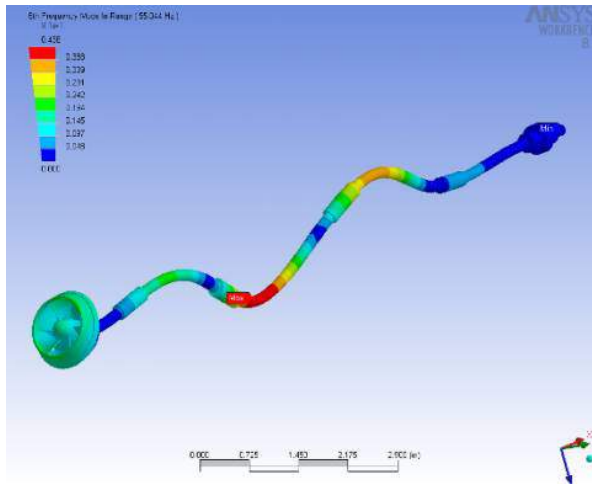
Modal and Structural Analysis



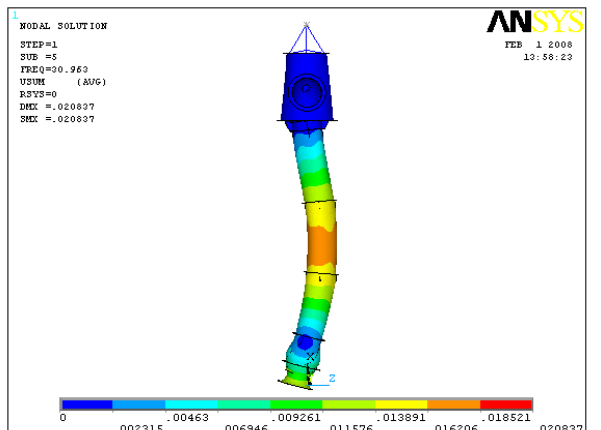
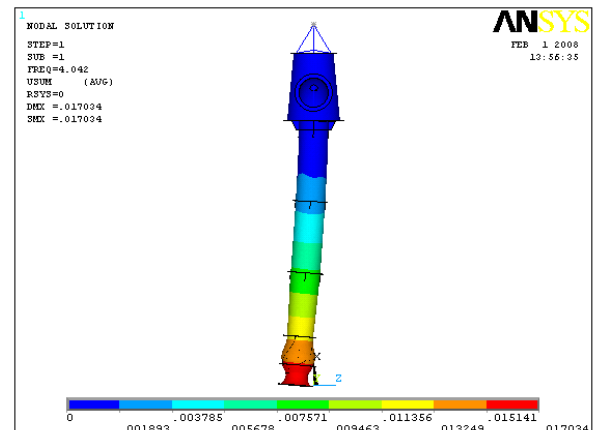
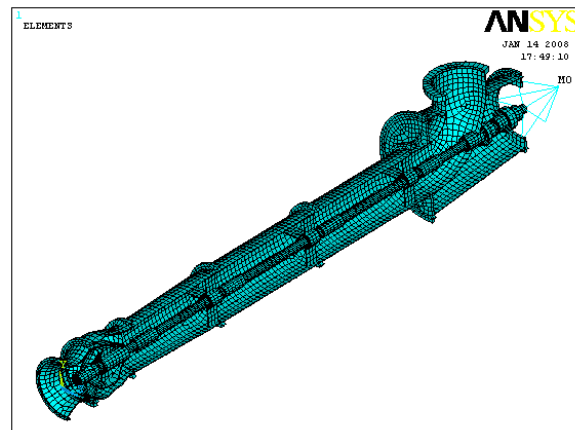


Research & Development

Torsional Analysis



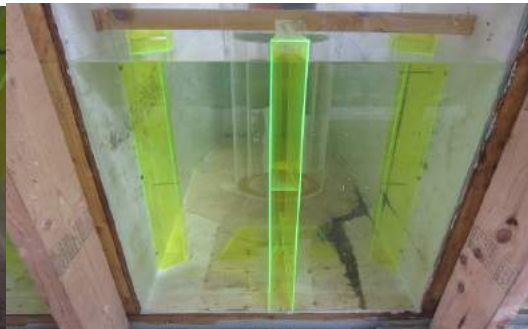
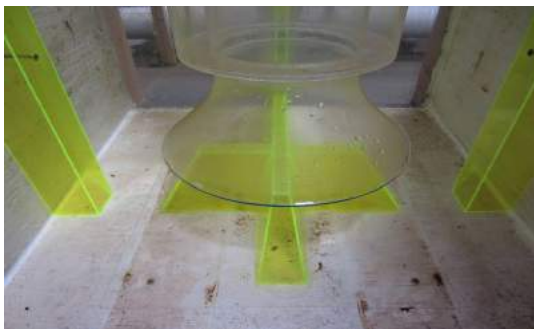
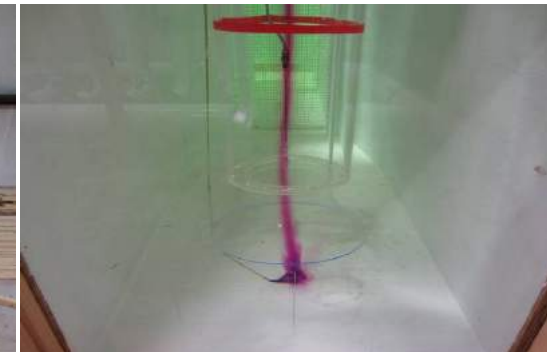
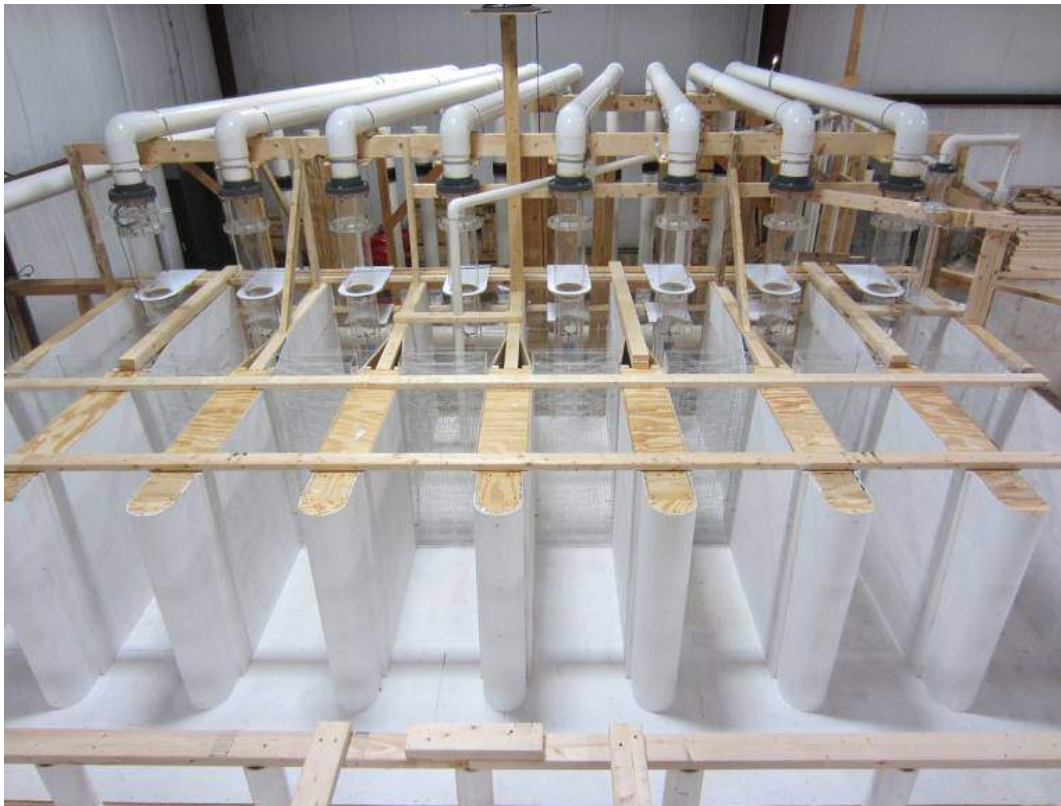
Structural Analysis





Research & Development

Physical Sump Model Test (Clemson, USA)



Major Customers

Nuclear & Power EPC



Marine





Manufacturing Facilities and Its Specification



INDEX



Under construction~2020

	Area	Machining	Assembly	Test	Voltage	Electricity	Weir	CRANE
Current	16,128 m ²	1,762 m ²	1,793 m ²	112 m ²	13.2 KV	4,000 KVA	13 M	50 TON
New	34,113 m ²	3,350 m ²	3,140 m ²	2,716 m ²	13.2 KV	10,000 KVA	19 M	100 TON



Factory Facilities

Power test Facility 50/60 Hz

6.6KV 4000KVA / 4.0KV 4000KVA
3.3KV 4000KVA / (13.2KV 4000KVA)
6.6KV 2000KVA / 3.3KV 2000KVA
690KV 600KVA / 380KV 600KVA
440KV 1000KVA / 220KV 1000KVA



Water Pump test Facility

5M Square Weir (Up to 430m³/min)
0.9M Square Weir (Up to 11.4m³/min)
3rd Angle Weir (Up to 30m³/min)
5M Square Weir (Up to 430m³/min)
15M Square Weir (Up to 1100m³/min)





Factory Facilities





Factory Facilities





Reference List



Major References (CWP)

Samcheok CWP

Contractor : KOSPO (Korea)

39,500m³/hr x 22.1m (2100A)



Certificate for Delivery & Commercial Operation

물품이행실적증명서

업 세 명	(주)신신기계	대 표 자	김 동 수			
영업소재지	부산 기장군 정관면 농공길 85	전화번호	051-713-0000			
사업자번호	621-81-14256	제 출 처	판공서 및 기타업체			
증명서용도	물품 제조·구매입찰 적격심사 신청용					
사업의종류	제조(☐), 공급(☐), 기타(☐)					
계 약 과 납 품 내 용						
구 분	품명과 규 격	단 위	계 약 내 용		납 품 내 용	
			계약번호 (계약일자)	수량 금 액	납품요구 (납품일자)	수량 금 액
계약목적품과 동등이상물품	Circulating Water pump & Seawater Cooling Water Pump	Set	PSC-C-M20	10 W17,228,050,000	2014년 8월 18일	10 W17,216,050,000
계약목적품과 유 사 물 품						
품명과 상세 규격보증설명	* 일축사류펌프 토출구경 2,100mm, 8대 납품·설치 및 시운전 기술관리 (CWP 8대) : W15,340,000,000 * 일축사류펌프 토출구경 750mm, 2대 납품·설치 및 시운전 기술관리 (SCWP 2대) : W1,408,000,000 * 예비품 / 특수공구 / Hydraulic Model Test 납품·설치 및 시운전 기술관리 : W468,050,000					
위의 사실을 증명합니다.						
증명서 발 급 기 관	기 관 명	2015년 7월 30일 (주)한국남부발전 삼척그린파워건설본부 (인) 김동수				
	주 소	강원도 삼척시 원덕읍 삼척로 495-23 FAX번호				
	부 서 명	담당자				

- 주1) 민간실적은 계약서, 세금계산서, 거래명세서 등 증명자료를 첨부해야 하며, 특히 필요한 경우 공급받는 자의 증명을 첨부한 거래사실 확인서를 제출하게 할 수 있다.
- 2) 이행실적은 입찰공고에 명시한 성능, 품질 등의 조건에 부합된 경우에 한하며 "규격"란에는 그 납품 규격의 내용을 구체적으로 명시해야 한다.
- 3) 이행금액안은 기계 후 투명 검착테이프를 붙여 증명을 받아야 한다.

별첨 2

해수취수펌프 공급 및 운전실적 증명서

- 발전소명(Plant Name/Location) : 삼척그린파워 1, 2 호기
- 발 주 처(Client) : 한국남부발전
- 계약일자(Contract Date) : 2013. 04. 04
- 착공일자(Construction Start Date) : 2011년 06월
- 준공일자(Plant Commercial Operation Date) : 2016년 12월 (공사기간 : 66개월)
- 공사금액(Contract Price) : 17,228,050,000 원 (부가세 별도) (계약화폐단위)
- 설비개요 (설계값 기준 Design condition)
 - Capacity(rated flow rate) : 39,500 m³/h
 - Total differential head : 22.1 m
 - NPSH required : 7 m
 - Pump efficiency : 89 %
 - Brake horse power : 2737.9 kW
 - Motor rating : 3200 kW
 - Material(Shaft, Casing/Impeller) : ASTM A276-316L, A743-CF3MN A743-CF3MN
- 해수취수펌프 공급업체 개요(Supplier Information)
 - 가. 설계업체 (System Design Engineer) : 주식회사 신신기계
 - 나. 제작업체 (Manufacturer(s)) : 주식회사 신신기계
 - 다. 공급업체 (Supplier) : 주식회사 신신기계
 - 라. 설치업체 (Construction firm) : 대우건설
- 운전실적
 - 가. 상업운전 개시일 : 2016년 7월 1일
 - 나. 연속운전기간(정기점검 보수기간 제외)
 - 2016년 07월 01일부터 2018년 08월 08일까지

위의 내용이 사실과 같음을 확인합니다.

2018. 08. 08.

한국남부발전(주)
삼척발전본부

(공급자의 서명란)
(서명자 성명, 직위, 회사명)

(발주자의 서명란)
(서명자 성명, 직위, 회사명)



Major References (CWP)

Pyeoktaek CWP

Contractor : CWP (Korea)

34,300m³/hr x 16m (2000A)



Certificate for Delivery & Commercial Operation

물 품 이 행 실 적 증 명 서

업 체 명	(주)신신기계		대 표 자	김 등 수		
영업소재지	부산 기장군 정관면 농공길 85		전화번호	051-713-0000		
사업자번호	621-81-14256		제 출 처	관공서 및 기타업체		
증명서용도	물품 제조·구매입찰 적격심사 신청용					
사업의종류	제조(☒), 공급(☐), 기타(☐)					
계 약 과 납 품 내 용						
구 분	품명과 규 격	단 위	계 약 내 용		납 품 내 용	
			계약번호 (계약일자)	수 량 금 액	납품요구번호 (납품일자)	수 량 금 액
계약목적품과 동등이상물품	해수취수 펌프 및 순환수 펌프	Set	제RO21-300759호 (2013.08.14)	5 ₩7,368,010,000	2014년 4월 21일	5 ₩7,368,010,000
계약목적품과 유 사 물 품						
품명과 상세 규격보충설명	* 입축사류펌프 토출구경 2,000mm_4대 (CWP 2대 / SLP 2대) : ₩6,556,760,000 * 입축사류펌프 토출구경 400mm_1대 (ACWP 1대) : ₩174,100,000 * 예비품 / 특수공구 / Hydraulic Model Test / 기술용역지원비 : ₩637,150,000					
위의 사실을 증명합니다.			2015년 7월 14일			
증명서 발 급 기 관	기 관 명	한국서부발전(주) 대표이사 조 인 국		전화번호	070-5007-5825	
	주 소	경기도 평택시 포승읍 남양만로 1752 한국서부발전(주) 평택발전본부		FAX번호	070-5007-5074	
	부 서 명	복합발전실 복합기계팀		담 당 자	김 경 락	

- 주1) 민간실적은 계약서, 세금계산서, 거래명세표 등 증빙자료를 첨부해야 하며, 특히 필요한 경우 공급받는 자의 증명을 첨부한 거래사실 확인서를 제출하게 할 수 있다.
- 주2) 이행실적은 입찰공고에 명시한 성능, 품질 등의 조건에 부합된 경우에 한하며 “규격”란에는 그 납품 규격의 내용을 구체적으로 명시해야 한다.
- 주3) 이행금액란은 기계 후 투명 접착테이프를 붙여 증명을 받아야 한다.

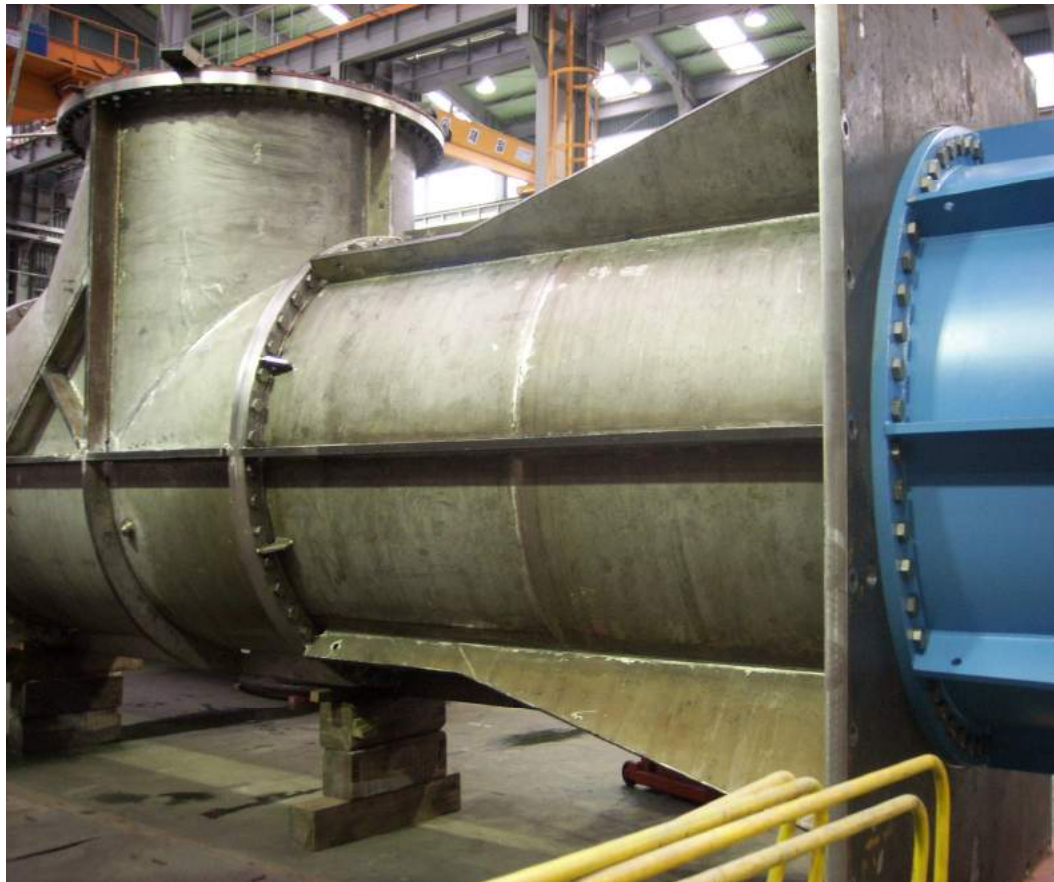


Major References (CWP)

Shin-kori 1,2 Nuclear CWP

Contractor : KHNP (Korea)

44,280m³/hr x 14.17m (2200A)





Major References (CWP)

E-Tech Seagull CWP

Contractor : E-Tech E&C (Korea)

17,500m³/hr x 337m (1500A)



Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER Kw P		Q'TY	Delivery Date
Doosan heavy industries & construction	Fadhili GSP	Saudi Arabia	Potable Water Distribution Pump	EHC 125 E	130	70	55	4	2	2017.11
Doosan heavy industries & construction	Fadhili GSP	Saudi Arabia	CHILLED WATER DISTRIBUTION PUMP	ICP 65-40-200	30	70	18.5	2	2	2017.11
Doosan heavy industries & construction	Fadhili GSP	Saudi Arabia	DM Water Feed Pump	ICP 125-100-315	135	35	30	4	3	2017.11
Doosan heavy industries & construction	Fadhili GSP	Saudi Arabia	Cycle Makeup Water Pump	ICP 150-125-400	265	73	90	4	3	2017.11
Doosan heavy industries & construction	Fadhili GSP	Saudi Arabia	Demi Water Supply Pump	ZAH 40 C	16	85	18.5	2	3	2017.11
Doosan heavy industries & construction	Fadhili GSP	Saudi Arabia	Atm. Flash Tank Drain Pump	ZAH 40 D	19	30	5.5	4	4	2017.11
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	GTG #1 & #2 Electrical Building Area Sump Pump	EVP-W 50 B	10	20	3.7	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	GTG #3, #4 & #5 Electrical Building Area Sump Pump	EVP-W 50 B	10	20	3.7	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	Central Control Building with Common switchgear & Weather Station Area Sump Pump	EVP-W 50 B	10	20	3.7	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	STG #1 Area Sump Pump	EVP-W 50 B	10	20	3.7	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	STG #2 Area Sump Pump	EVP-W 50 B	10	20	3.7	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	Reserve Boiler Area Sump Pump	EVP-W 50 C	20	20	5.5	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	HRS# #4 Area (Blowdown) Sump Pump	EVP-W 100 B	100	20	18.5	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	HRS# #5 Area (Blowdown) Sump Pump	EVP-W 100 B	100	20	18.5	4	2	2018.02

Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER Kw P		Q'TY	Delivery Date
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	HRSG #2 Area (Blowdown) Sump Pump	EVP-W 100 B	100	20	18.5	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	HRSG No.1 Area (Blowdown) Sump Pump	EVP-W 100 B	100	20	18.5	4	2	2018.02
Doosan heavy industries & construction	Fadhili Sump	Saudi Arabia	HRSG #3 Area (Blowdown) Sump Pump	EVP-W 100 B	100	20	18.5	4	2	2018.02
STX Engine Co.,Ltd.	UAE BNPP M264 1E DIESEL OIL TRANSFER PUMP(#4)	UAE	NON-CLASS 1E DIESEL OIL TRANSFER PUMPS	NLG 3	2.27	1.76	1.5	6	2	2016.12
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#4)	UAE	PRE-LUBE OIL PUMP	HG 65	50	5.1	22	8	2	2016.09
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#4)	UAE	FUEL OIL FEED PUMP	NHGH 20	8.9	8.166	11	6	2	2016.09
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#4)	UAE	PRE-HEATING HT WATER PUMP	ZAF 25 B	7.02	25.93	2.2	2	2	2016.09
KEPCOE&C	BNPP #3~4 Chlorine seawater supply pump(M210)	UAE	CL SEA WATER SUPPLY PUMP for CW (Including Motor)	SDF-V 250 02S	300	48.8	111.9	4	1	2016.08
KEPCOE&C	BNPP #3~4 Chlorine seawater supply pump(M211)	UAE	CL SEA WATER SUPPLY PUMP for CW(Including Motor)	SDF-V 250 02S	300	48.8	111.9	4	1	2016.08
KEPCOE&C	BNPP #3~4 Chlorine seawater supply pump(M210)	UAE	CIRCULATING WATER SCREEN WASH PUMPS (Including Motors)	SDF-V 250 02S	340.69	57.91	111.9	4	4	2016.06
KEPCOE&C	BNPP #3~4 Chlorine seawater supply pump(M210)	UAE	CL SEA WATER SUPPLY PUMP for CW(Including Motor)	SDF-V 250 02S	300	51.8	111.9	4	1	2016.06
KEPCOE&C	BNPP #3~4 Chlorine seawater supply pump(M210)	UAE	CL SEA WATER SUPPLY PUMP for CW (Including Motor)	SDF-V 250 02S	300	51.8	111.9	4	1	2016.06
STX Engine Co.,Ltd.	UAE BNPP M264 1E DIESEL OIL TRANSFER PUMP(3호기)	UAE	NON-CLASS 1E DIESEL OIL TRANSFER PUMPS	NLG 3	2.27	1.76	1.5	6	2	2016.03
WELCRON KANGWON Co.,Ltd.	SAFI IPP IN MOROCC Boiler Feed Water Pump	Morocco	Boiler Feed Water Pump	MZ 100 04S	163.23	344.2	240	2	2	2016.02
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#4)	UAE	WATER TREATMENT TANK PUMP	EHC 40 A	6.78	20.4	1.5	2	2	2015.12
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#3)	UAE	WATER TREATMENT TANK PUMP	EHC 40 A	6.78	20.4	1.5	2	2	2015.09



Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER Kw P		Q'TY	Delivery Date
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#3)	UAE	PRE-LUBE OIL PUMP	HG 65	50	5.1	22	8	2	2015.09
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#3)	UAE	FUEL OIL FEED PUMP	NHGH 20	8.9	8.166	11	6	2	2015.09
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#3)	UAE	PRE-HEATING HT WATER PUMP	ZAF 25 B	7.02	25.93	2.2	2	2	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Demi. Water Make-up Pump	EHC 250 E	445.98	40	75	4	3	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Deaerator Make-up Pump	ICP 65-40-250	23.6	92	18.5	2	4	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	GT Fogging Water Transfer Pump for New GT.	ICP 65-40-250	34.98	77	18.5	2	4	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	De-Nox Water Transfer Pump for Open Cycle GT	ICP 80-50-200	60.8	52	18.5	2	5	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Potable / Service Water Transfer Pump	ICP 100-65-200	78	50	22	2	2	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Screen Washing Water Pump	ICP 150-125-400	160	50	45	4	2	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Quenching Water Booster Pump	ICP 200-150-315	398	25	45	4	2	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Closed Cooling Water Pump for Common Plant	NDV 500 E1	1550	40	245	6	2	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Closed Cooling Water Pump for Open Cycle GT	NDV 500 F1	1320	76.5	410	6	2	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Closed Cooling Water Pump for New GT, ST	NDV 800 D1	4700	35	670	8	2	2015.09
Hyundai ENG	MIRFA IWPP IN UAE GSP	UAE	Clean Drain Pump	ZAH 150 D	112.02	30	22	4	4	2015.09
STX heavy industries	UAE BNPP M264 1E DIESEL OIL TRANSFER PUMP(#2)	UAE	NON-CLASS 1E DIESEL OIL TRANSFER PUMPS	NLG 3	2.27	1.76	1.5	6	2	2015.04
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	SLUDGE TRANS. PUMP	EVP 80 C	30	20	7.5	4	1	2015.04

Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER Kw	P	Q'TY	Delivery Date
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	SCUM TRANS. PUMP	EVP 100 B	72	10	7.5	4	1	2015.04
STX heavy industries	FGD System for Khabat Thermal Power Plant Unit1&2	IRAQ	Cloth wash pump	ICP 50-32-250	18	60	15	2	2	2015.04
STX heavy industries	FGD System for Khabat Thermal Power Plant Unit1&2	IRAQ	M/E Washing water pump	ICP 100-65-250	100.2	60	37	2	3	2015.04
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	REJECT SCREEN PUMP	NPP 100 C	66	22	11	4	1	2015.04
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	DUMP/CH No.2 PUMP	NPP 125 C	90	15	11	4	1	2015.04
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	No.2 ALBIA CLEANER PUMP	NPP 125 D	96	26	15	4	1	2015.04
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	2ND ALBIA CLEANER PUMP	NPP 150 C	144	22	18.5	4	1	2015.04
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	REUSE PUMP	NPP 200 C	240	18	22	4	1	2015.04
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	W.WATER FEED PUMP	NPP 250 C	312	12	18.5	6	1	2015.04
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#2)	UAE	PRE-LUBE OIL PUMP	HG 65	50	5.1	22	8	2	2015.02
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#2)	UAE	FUEL OIL FEED PUMP	NHGH 20	8.9	8.166	11	6	2	2015.02
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#2)	UAE	PRE-HEATING HT WATER PUMP	ZAF 25 B	7.02	25.93	2.2	2	2	2015.02
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	No.1 DILUTION PUMP	EHC 125 E	90	35	22	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	No.3 DILUTION PUMP	EHC 200 E	210	40	45	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSTITUDE (SUEZ PROJEC/EGYPT)	EGYPT	No.2 DILUTION PUMP	EHC 250 D	420	20	37	4	1	2015.02
Focus corporation	Replacement pump	EGYPT	PRESSURE PUMP	MB 80 02S	78	60	30	2	2	2015.02



Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER		Q'TY	Delivery Date
							Kw	P		
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	STORAGE/CHEST PUMP	NPP 100 B	60	10	3.7	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	2ND ALBIA CLEA PUMP	NPP 150 C	144	25	19	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	COMBI SORTER PUMP	NPP 150 D	180	25	22	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	No.3 DILUTION PUMP	NPP 150 D	150	35	30	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	2ND SCREEN PUMP	NPP 200 D	180	35	30	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	No.2 DILUTION PUMP	NPP 250 D	540	25	55	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	DUMP CHEST PUMP	NPP 350 D	720	35	110	4	1	2015.02
Focus corporation	BARE PUMPS & SUBSITITUDE (SUEZ PROJEC/EGYPT)	EGYPT	1ST ALBIA CLEANER PUMP	NPP 350 D	960	25	110	4	1	2015.02
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#2)	UAE	WATER TREATMENT TANK PUMP	EHC 40 A	6.78	20.4	1.5	P	2	2014.12
Hyundai Heavy Industries Co., Ltd	UAE, AAC DG	UAE	Water Treatment Tank Pump	EHC 40 A	6.8	21.04	1.5	2	1	2014.12
Hyundai Heavy Industries Co., Ltd	UAE, AAC DG	UAE	Pre-Lube Oil Pump	HG 65	50	5.1	22	8	1	2014.11
Hyundai Heavy Industries Co., Ltd	UAE, AAC DG	UAE	Fuel Oil Feed Pump	NHGH 20	8.9	8.166	11	6	1	2014.11
STX Engine Co.,Ltd.	UAE BNPP M264 1E DIESEL OIL TRANSFER PUMP(1호기)	UAE	NON-CLASS 1E DIESEL OIL TRANSFER PUMPS	NLG 3	2.27	1.76	1.5	6	2	2014.11
Hyundai Heavy Industries Co., Ltd	UAE, AAC DG	UAE	Pre-Heating HT Water Pump	ZAF 25 B	7	25.93	2.2	2	1	2014.11
KEPCOE&C	BNPP #1~2 Chlorine seawater supply pump(M210)	UAE	CL SEA WATER SUPPLY PUMP for CW(Including Motor)	SDF-V 250 02S	300	48.77	111.9	4	1	2014.10
KEPCOE&C	BNPP #1~2 Chlorine seawater supply pump(M211)	UAE	CL SEA WATER SUPPLY PUMP for CW(Including Motor)	SDF-V 250 02S	300	51.8	111.9	4	1	2014.10

Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER Kw P		Q'TY	Delivery Date
KEPCOE&C	BNPP #1~2 Chlorine seawater supply pump(M212)	UAE	CL SEA WATER SUPPLY PUMP for CW (Including Motor)	SDF-V 250 02S	300	48.8	111.9	4	1	2014.10
KEPCOE&C	BNPP #1~2 Chlorine seawater supply pump(M210)	UAE	CIRCULATING WATER SCREEN WASH PUMPS (Including Motors)	SDF-V 250 02S	340.69	57.91	111.9	4	4	2014.09
KEPCOE&C	BNPP #1~2 Chlorine seawater supply pump(M210)	UAE	CL SEA WATER SUPPLY PUMP for CW (Including Motor)	SDF-V 250 02S	300	51.82	111.9	4	1	2014.09
Han Shin Machinery Co., Ltd.	UAE BNPP PJT CLCS Circulation Pump	UAE	CLCS Circulation Pump	EHC 125 E	93	50	30	4	4	2014.09
Hyundai Heavy Industries Co., Ltd	UAE, AAC DG	UAE	Fuel Oil Transfer Pump	NLG 5	3.4	1.714	1.5	6	2	2014.09
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#1)	UAE	PRE-LUBE OIL PUMP	HG 65	50	5.1	22	8	2	2014.05
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#1)	UAE	FUEL OIL FEED PUMP	NHGH 20	8.9	8.166	11	6	2	2014.05
Focus corporation	REPLACEMENT (SUEZ PROJEC/EGYPT)	EGYPT	NO.3 VAT. FAN PUMP(FAN TYPE)	NDV 350 E	600	16	45	6	2	2014.05
Focus corporation	REPLACEMENT (SUEZ PROJEC/EGYPT)	EGYPT	NO.1 VAT. FAN PUMP(FAN TYPE)	NDV 350 E	600	21	55	6	1	2014.05
Focus corporation	REPLACEMENT (SUEZ PROJEC/EGYPT)	EGYPT	NO.7 VAT. FAN PUMP(FAN TYPE)	NDV 350 E	510	16	37	6	1	2014.05
Focus corporation	REPLACEMENT (SUEZ PROJEC/EGYPT)	EGYPT	NO.8 VAT. NO.1 FAN PUMP(FAN)	NDV 400 E	600	30	90	6	1	2014.05
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#1)	UAE	WATER TREATMENT TANK PUMP	EHC 40 A	6.78	20.4	1.5	2	2	2014.03
Hyundai Heavy Industries Co., Ltd	UAE, EDG (#1)	UAE	PRE-HEATING HT WATER PUMP	ZAF 25 B	7.02	25.93	2.2	2	2	2014.03
Hyundai Heavy Industries Co., Ltd	UAE, BNPP #1. #2. #3. #4 auxiliary feedwater pump	UAE	AUXILIARY OIL PUMP	NHGH 2.5	2.7	7	3.7	6	8	2012.09
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	50 CONDENSER AREA SUMP PUMP	EWV 80 D	10	30	5.5	4	2	2012.11
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	40 CONDENSER AREA SUMP PUMP	EWV 80 D	10	30	5.5	4	2	2012.11



Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER Kw P		Q'TY	Delivery Date
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	32 HRSG NON-OILY SUMP PUMP	EWV 100 D	70	30	11	4	2	2012.11
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	41 HRSG NON-OILY SUMP PUMP	EWV 150 C	130	20	15	4	2	2012.11
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	52 HRSG NON-OILY SUMP PUMP	EWV 150 C	130	20	15	4	2	2012.11
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	51 HRSG NON-OILY SUMP PUMP	EWV 150 C	130	20	15	4	2	2012.11
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	50 CLOSED COOLING WATER PUMP	NDV 400 D	942	30	132	6	2	2012.11
Samsung C&T	EMAL PHASE2 CCPP / GSP	UAE	40 CLOSED COOLING WATER PUMP	NDV 400 D	942	30	132	6	2	2012.11
Daewoo E&C	Oman SUR IPP PJT GSP(Horizontal)	Oman	MAKE-UP WATER PUMP	ICP 125-80-250	155	80	55	2	3	2012.05
Daewoo E&C	Oman SUR IPP PJT GSP(Horizontal)	Oman	SERVICE WATER PUMP	ZAH 100 C	190	80	75	2	3	2012.05
Daewoo E&C	UAE S3 Plant Fuel Oil Forwarding Pump	UAE	Fuel Oil Forwarding Pump	NDV 350 G1	690	89	200	4	5	2012.04
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	POTABLE WATER PUMP	EHC 40 A	4	15	1.5	2	2	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	GT LUBE OIL TRANSFER PUMP	EHC 40 A	6	25	2.2	2	1	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	CLEAN & DIRTY LUBE OIL TRANSFER PUMP	EHC 40 B	6	40	5.5	2	2	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	DEMIL. WATER TRANSFER PUMP	EHC 150 F	200	50	55	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	WATER TREATMENT/WASTEWATER PUMP ROOM SUMP PUMP	EVP-W 40 B	10	10	2.2	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	BFP HOUSE SUMP PUMP	EVP-W 50 B	5	15	2.2	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	ST AREA SUMP PUMP	EVP-W 50 C	15	20	5.5	4	2	2009.05



Reference List (Mid East Asia)

Purchaser	Project name	Country	SERVICE NAME	PUMP TYPE	FLOW (M3/HR)	TOTAL HEAD (M)	DRIVER		Q'TY	Delivery Date
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	ST TRANSFORMAL AREA SUMP PUMP	EVP-W 50 C	10	15	3.7	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	GT AREA SUMP PUMP	EVP-W 50 C	10	15	3.7	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	CWP STATION SUMP PUMP	EVP-W 50 C	15	15	3.7	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	GT TRANSFORMAL AREA SUMP PUMP	EVP-W 50 C	10	15	3.7	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - SUMP PUMP	ARMENIA	HRSG AREA SUMP PUMP	EVP-W 50 C	10	15	3.7	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	DEAERATOR FEED WATER PUMP	MTA 150 03S	285	145	190	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	CLOSED COOLING WATER PUMP	NDV 400 E1	1210	32	160	4	2	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	AUX. COOLING WATER PUMP	NDV 450 C1	13,20	25	1450	6	1	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	CLEAN DRAIN PUMP	ZAH 40 A	20	20	3.7	2	2	2009.05
GS E&C	YEREVAN CCPP PLANT - GENERAL SERVICE PUMP	ARMENIA	HRSG DRAIN RECOVERY PUMP	ZAH 50 D	25	30	7.5	4	2	2009.05
Daewoo E&C	Misurata CCPP Project (Libya)	Libya	Auxiliary Fuel Oil Forward Pump	EHC 40 B	12	40	5.5	2	2	2009.03
Daewoo E&C	Benghazi CCPP Project (Libya)	Libya	G/T Maker-up Water Pump	EHC 40 B	10	30	3.7	2	2	2009.03
Daewoo E&C	Misurata CCPP Project (Libya)	Libya	G/T Maker-up Water Pump	EHC 40 B	10	30	3.7	2	2	2009.03
Daewoo E&C	Misurata CCPP Project (Libya)	Libya	G/T Generator Cooling Water Pump	EHC 250 D	430	27	55	4	4	2009.03
Daewoo E&C	Benghazi CCPP Project (Libya)	Libya	G/T Generator Cooling Water Pump	EHC 250 D	430	27	55	4	4	2009.03
Daewoo E&C	Misurata CCPP Project (Libya)	Libya	Potable Water Jockey Pump	MB 32 04S	9	65	3.7	2	2	2009.03



Reference List (CWP)

Owner	Country	Project	Model	Flow	Head	kW	P	Q'TY	Delivery Date	PUMP TYPE
				(m³/hr)	(m)					
Korea Southern Power	Korea	Samcheok Green Power 1,2 (1022MW)	SDF-P 2100 A	39,500	22.1	3,200	22	8	2014.08	Vertical Wet Pit , Pull out
Korea Southern Power	Korea	Samcheok Green Power 1,2 (1022MW)	SDF-V 750 A	4,900	20.0	400	8	2	2014.08	Vertical Wet Pit , Non Pull out
Korea Western Power	Korea	PyeokTaek Combined Power 2nd Stage (868MW)	SDF-P 2000 B	34,300	16.0	2,100	22	2	2014.03	Vertical Wet Pit , Pull out
Korea Western Power	Korea	PyeokTaek Combined Power 2nd Stage (868MW)	SDF-P 2000 B	34,100	15.0	2,000	22	2	2014.03	Vertical Wet Pit , Pull out
Hanjin Heavy Industries	Korea	Yangju Distribution	SDF-P 700 A	3,200	36.0	450	6	2	2012.12	Vertical Wet Pit , Pull out
Hanjin Heavy Industries	Korea	Yangju Distribution	SDF-P 1600 A	17,500	38.0	2,400	14	3	2012.12	Vertical Wet Pit , Pull out
KOMIPO	Korea	Incheon Combined Power SLP & CWP	SDF-V 1500	21,402	8.3	850	20	4	2008.10	Vertical Wet Pit , Non Pull out
KOMIPO	Korea	Incheon Combined Power SLP & CWP	SDF-V 1500	22,340	12.4	950	18	4	2008.09	Vertical Wet Pit , Non Pull out
ITT A-C Pump	Korea	Shin-gori Nuclear Power 1,2 (1000MW)	SDF-P 2200	44,280	14.2	2,395	24	8	2008. 04	Vertical Wet Pit , Pull out
Korea Southern Power	Korea	Handong Power (500MW)	SDF-V 1500	21,600	15.6	1,200	18	8	2007.11	Vertical Wet Pit , Pull out
ITT A-C Pump	Korea	Southern Jeju Power	SDF-V 1000	15,900	18.6	871	16	2	2006.03	Vertical Wet Pit , Non Pull out



Reference List (CWP)

Owner	Country	Project	Model	Flow	Head	kW	P	Q'TY	Delivery Date	PUMP TYPE
				(m³/hr)	(m)					
Hyundai E&C	Indonesia	Indonesia Cirebon II Project (1000MW)	SDF-V 1650B	30,550	31.0	3,400	14	4	2019.07 (Ongoing)	Vertical Wet Pit , Non Pull out
Hyundai Engineering	Uzbekistan	UTCC Project (255MW)	SDF-V 1000	7,500	21.5	570	8	4	2018.11 (Ongoing)	Vertical Wet Pit , Non Pull out
Hyundai Engineering	Indonesia	KALSEL Project (100MW)	SDF-V 1000	8,030	21.0	650	10	4	2017.10	Vertical Wet Pit , Non Pull out
Doosan Heavy Industires	Korea	Hwasung Dongtan 2 (400MW)	SDF-P 1350	12,250	27.0	1,250	14	5	2016.10	Vertical Wet Pit , Pull out
Korea Southern Power	Korea	Yongnam Power	SDF-P 1350A	18,200	19.4	1,250	14	2	2016.10	Vertical Wet Pit , Pull out
GS E&C	Korea	Anyang Combined Power	SDF-P 1100	10,450	27.0	1,050	12	4	2017.02	Vertical Wet Pit , Pull out
E-Tech E&C	Korea	LP Steam Renewal Project (Gunjang Energy)	SDF-V 800C	5,000	40.0	750	8	3	2017.11	Vertical Wet Pit , Non Pull out
E-Tech E&C	Korea	Seagull Project (250MW)	SDF-V 1500E	17,500	33.5	2,200	14	3	2014.06	Vertical Wet Pit , Non Pull out
Korea Nuclear Hydro Power (Xylem)	Korea	Shin-gori Nuclear Power 1,2 (1000MW)	SDF-P 2200	44,280	14.2	2,395	24	1	2015.12	Vertical Wet Pit , Pull out



Reference List (CWP)

Owner	Country	Project	Model	Flow	Head	kW	P	Q'TY	Delivery Date	PUMP TYPE
				(m ³ /hr)	(m)					
Hyundai E&C	Korea	Daesan Biomass Power	NDV 700 C1	5,800	25.0	500	8	3	2019.03 (Ongoing)	Horizontal, Centrifugal
Lotte Chemical	Korea	H-PE1 CWP Project	NDV 600 D	2,800	53.0	520	6	3	2018.09 (Ongoing)	Horizontal, Centrifugal
Lotte Chemical	Korea	HC2 Project	NDV 600 E	3,000	55.0	580	6	2	2019.01 (Ongoing)	Horizontal, Centrifugal
GS E&C	Korea	Pocheon Combined Heat & Power Cooling Water Pump	NDV 1000 C2	8,500	27.0	850	12	2	2017.03	Horizontal, Centrifugal
Korea Southern Power	Korea	Samcheok Green Power 1,2 (1022MW)	NDV 1000 B1	8,800	11.0	360	16	2	2014.02	Horizontal, Centrifugal
Korea South-East Power	Korea	YeongHeung Power (800MW)	NDV 900 C1	5,600	10.0	220	14	2	2012.10	Horizontal, Centrifugal
Daewoo E&C	Korea	Paju Combined Power	NDV 1200 CX	13,878	29.0	1,400	12	3	2009.10	Horizontal, Centrifugal
Doosan Heavy Industires	Korea	Yeongwol Combined Power (183MW)	NDV 1200 C	14,200	26.0	1,350	14	3	2009.06	Horizontal, Centrifugal
Doosan Heavy Industires	Korea	Yeongwol Combined Power (183MW)	NDV 700 CX	4,100	26.0	400	8	2	2009.06	Horizontal, Centrifugal
Doosan Heavy Industires	Korea	Handong Power (500MW)	NDV 900 A	4,000	7.5	150	14	2	2007.05	Horizontal, Centrifugal
POSCO E&C	Korea	Chuncheon District	NDV 900C1	7,250	25.0	630	10	3	2006.03	Horizontal, Centrifugal



Reference List (COP)

Owner	Country	Project	Model	Flow	Head	kW	P	Q'TY	Delivery Date
				(m ³ /hr)	(m)				
KOREA MID EAST POWER	Korea	SHIN-SEOCHEON (1000MW)	MLC 400 x 2A	1,151	121	560kW	4	3	2019.01 (ON-GOING)
HYUNDAI E&C	Korea	DAESAN BIOMASS POWER	MLC 250 x 04S	430	235	420	4	2	2019.01 (ON-GOING)
DOOSAN HEAVY INDUSTRIES	Indonesia	MUARA TAWAR (250MW x 2)	MLC 300B x 05S	390	220	400kW	4	9	2018.09 (ON-GOING)
HYUNDAI ENGINEERING	Indonesia	KALSELTENG2	MLC 250B x 05S	305	220	290kW	4	4	2018.08 (ON-GOING)
POSCO E&C	Korea	SHIN-PEONGTAEK	MLC 250C x 04S	461	211	420kW	4	3	2018.05
KOREA SOUTH-EAST POWER	Korea	YEONGDONG COAL FIRE POWER PLANT (325MW)	MLC 200C x 08S	335	195	260kW	6	2	2016.04
KHNP	Korea	SHIN-HANUL #1,2 E.S.W.P & S.W.P (N201)	SDF-V 750	3,861	48.5	710kW	8	4	2015.01
KHNP	Korea	SHIN-HANUL #1,2 E.S.W.P & S.W.P (N201)	SDF-V 750	3,861	48.5	710kW	8	4	2014.10
KHNP	Korea	SHIN-HANUL #1,2 E.S.W.P & S.W.P (N201)	MB-V 65 x 06S	21	71.6	11kW	4	8	2015.01
KHNP	Korea	SHIN-HANUL #1,2 E.S.W.P & S.W.P (N201)	MB-V 65 x 06S	21	71.6	11kW	4	8	2014.10
KHNP	Korea	SHIN-WOLSUNG 1&2(N201)	SDF-V 600	2,952	51.8	597kW	8	8	2009.05



Reference List (COP)

Owner	Country	Project	Model	Flow	Head	kW	P	Q'TY	Delivery Date
				(m ³ /hr)	(m)				
DOOSAN HEAVY INDUSTRIES	Korea	HANAM CHP	MLO 200 A1	143	3kg/cm ²	30kW	4	1	2014.03
DOOSAN HEAVY INDUSTRIES	Korea	HANAM CHP	MLO 200 2A1	174	5.3kg/cm ²	55kW	4	2	2014.03
HANJIN HEAVY INDUSTRIES	Korea	BYOLAE HEAT DISTRIBUTION	MT-C 100 x 04S	110	140	75kW	4	3	2012.10
HANJIN HEAVY INDUSTRIES	Korea	BYOLAE HEAT DISTRIBUTION	MT-C 100 x 04S	110	150	90kW	4	3	2012.10
KOREA RADIOACTIVE WASTE AGENCY	Korea	RADIOACTIVE WASTE PROJECT	MT-V 50 x 03S	30	182	37kW	2	4	2012.09
KOREA RADIOACTIVE WASTE AGENCY	Korea	RADIOACTIVE WASTE PROJECT	MT-V 50 x 04S	37	220	45kW	2	3	2012.09
HYUNDAI E&C	Korea	GOYANG SAMSUNG HEAT DISTRIBUTION	MT-C 100 x 05S	130	180	110kW	4	3	2010.12
HYUNDAI E&C	Korea	GOYANG SAMSUNG HEAT DISTRIBUTION	MLC 200A x 4S	160	180	132kW	4	3	2010.12
HYUNDAI E&C	Korea	GOYANG SAMSUNG HEAT DISTRIBUTION	MLC 200A x 4S	220	180	185kW	4	2	2010.12
HYUNDAI E&C	Korea	DAEJEON HEAT DISTRIBUTION	MLC 200B x 01S	203	55	55kW	4	2	2009.10
HYUNDAI E&C	Korea	DAEJEON HEAT DISTRIBUTION	MLC 200B x 02S	218	96	110kW	4	2	2009.10



Reference List (COP)

Owner	Country	Project	Model	Flow	Head	kW	P	Q'TY	Delivery Date
				(m ³ /hr)	(m)				
DAEWOO E&C	Korea	PAJU CCPP	MLC250A x 03S	295	170	240kW	4	3	2009.08
POSCO E&C	Korea	DONGHAE BIOMASS	MT-C 100 x 03S	111	111	75kW	4	2	2012.06
HDEC	Korea	DAEJEON HEAT DISTRIBUTION	MT-C 100 x 01S	91	26	15kW	4	2	2009.10
DAEWOO E&C	Korea	INCHEON HEAT DISTRIBUTION	MT-C 100 x 02S	110	73	37kW	4	2	2006.08
DAEWOO E&C	Korea	INCHEON HEAT DISTRIBUTION	MT-C 100 x 02S	114	65	37kW	4	2	2006.08
Hansol EME	Korea	Hansol EME	MT-V 150 x 02S	324	114	175kW	4	2	2009.03
Hansol EME	Korea	Hansol EME	MT-V 150 x 02S	324	127	187kW	4	2	2009.03



End User Certificate

Saudi Electricity Company (SEC)



Materials Sector
Purchasing Department
Vendors Affairs Division



Vendor Name: SHIN SHIN MACHINERY CO
P.O. Box : 55789
C. R. NO: 1801110028331
E-mail : zainmalik013@gmail.com

SUBJECT: VENDOR'S REGISTRATION NOTIFICATION

Dear Sir,
We are pleased to inform that your commercial documents have been evaluated and your company is now registered with Saudi Electricity Company under Vendor No (2006945)

You must fill up the prequalification form/ requirements whenever it is applicable, which available on SEC website ([Click Here](#)) in order to deliver materials based on your activity in your Commercial Registration.

To Login E-Bidding System: ([Click Here](#))

When you log on the system as a first time please change your password immediately through e-bidding link which available on SEC webpage.

Notice :

1. This approval should not be construed as commitment by SEC to purchase from you but when needed SEC will invite you to bid and will be evaluated based on the established policies & procedures.
2. If the Bid is considered as a LOW VALUE you must quote through the e-bidding system. However, if the bid is a HIGH VALUE you must submit the quotation in a closed envelope and submit to reception of purchasing sections in operating area's requested the materials.

We would suggest that you maintain a continuous contact with Purchasing Sections in SEC operating areas.
We thank you for your interest to deal with Saudi Electricity Company.

Best Regard,

Localization and Technical Qualification Department
Headquarters @ Grnatah Tower (A6) - Gth floor
Riyadh - Saudi Arabia
prc-vendor@se.com.sa

1. Main Seawater Circulating Water Pump
2. Condensate Pump
3. Boiler Feed Pump for CCPP
4. Closed Circuit Cooling Water Pump
5. Fuel Oil Pump
6. Miscellaneous Auxiliary Centrifugal Vertical/Horizontal Pump
7. Positive Displacement Pump

Saudi Aramco



Aramco Asia Korea Limited
아람코 아시아 코리아 유한회사
18F, Seoul Finance Center, 136 Sejong-daero,
Jung-gu, Seoul, 04520, Korea

Tel.: (82 2) 6270-5555
Fax: (82 2) 6270-5592



January 05, 2016
Letter Ctrl # SRK-002-16 / L002-16

SHIN SHIN MACHINERY CO LTD_GIJANG SHOP

85, NONGGONG-GIL, JEONGGWAN-MYEON
GIJANG-GUN, BUSAN, 46020
SOUTH KOREA

Subject: Material Approval; Sales ID: 10057383; Manufacturer ID: 10057305

Dear Mr. Moon-Soo Jung

Aramco Asia Korea is pleased to advise you that your company has been approved to supply the following commodity (9COM):

9COM	DESCRIPTION
6000002295	PUMP; HYDRAULIC TYPE, MFR STANDARD
6000002376	PUMP CENTRIFUGAL; VERTICAL, IN-LINE TYPE, MULTISTAGE STAGE(S), MFR STANDARD

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 established policies and procedures.

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

Regards,

Hassan R. Al-Dhafiri
Deputy Managing Director
Strategic Sourcing & Suppliers Relationship Management
Aramco Asia Korea Ltd.

Korea Hydro Nuclear Power (Korea) – Q Class



					
유자격공급자 등록증 Certificate of Registration					
등록번호 (Certificate No.) : 201600758 상 호 (Company Name) : (주)신신기계 공장주소 (Factory Location) : 부산광역시 기장군 농공길 85 (정관면, (주)신신기계) 대 표 자 (Chief Executive officer) : 김동수					
[상기 업체는 우리 회사의 공급자관리지침에 따라 심사한 결과 보조기기 기자재 공급업체로 등록되었음을 증명합니다. This is to certify that according to KHNP's qualification procedure, this company has been registered on KHNP's Approved BOP Vendor List for the below Items.					
NO	품목 코드 Item Code	품 명 Item Description	품질 등급 Quality Class	운용 분야 Field	유효기간 Authorized Period
1	M212	Centrifugal Pump	A	원자력	2016.11.25~2019.11.24
2	M204B	Start-up Feedwater Pump	S	원자력	2016.11.25~2019.11.24
3	M217	Vertical Sump Pump (원자력)	A	원자력	2016.11.25~2019.11.24
4	M218	Submersible Pump	S	원자력	2016.11.25~2019.11.24
5	M258	Fire Pump & Driver	A	원자력	2016.11.25~2019.11.24
2016.11.25					
한국수력원자력(주) KOREA HYDRO & NUCLEAR POWER CO., LTD.					

					
유자격공급자 등록증 Certificate of Registration					
등록번호 (Certificate No.) : 201701528 상 호 (Company Name) : (주)신신기계 공장주소 (Factory Location) : 부산광역시 기장군 농공길 85 (정관면, (주)신신기계) 대 표 자 (Chief Executive officer) : 김종혁					
[상기 업체는 우리 회사의 공급자관리지침에 따라 심사한 결과 보조기기 기자재 공급업체로 등록되었음을 증명합니다. This is to certify that according to KHNP's qualification procedure, this company has been registered on KHNP's Approved BOP Vendor List for the below Items.					
NO	품목 코드 Item Code	품 명 Item Description	품질 등급 Quality Class	운용 분야 Field	유효기간 Authorized Period
1	N202	Safety Related Centrifugal Pumps	Q	원자력	2018.04.09~2022.04.08
2	M214	D/G Fuel Oil & Lube Oil Transfer Pumps	Q	원자력	2018.04.05~2018.12.18
3	N203	Containment Spray Pump	Q	원자력	2018.04.09~2022.04.08
4	N201	Essential Service Water Pump & Screen Wash Pump	Q	원자력	2018.04.09~2022.04.08
2018.04.18					
한국수력원자력(주) KOREA HYDRO & NUCLEAR POWER CO., LTD.					

					
유자격공급자 등록증 Certificate of Registration					
등록번호 (Certificate No.) : 201600758 상 호 (Company Name) : (주)신신기계 공장주소 (Factory Location) : 부산광역시 기장군 농공길 85 (정관면, (주)신신기계) 대 표 자 (Chief Executive officer) : 김동수					
[상기 업체는 우리 회사의 공급자관리지침에 따라 심사한 결과 보조기기 기자재 공급업체로 등록되었음을 증명합니다. This is to certify that according to KHNP's qualification procedure, this company has been registered on KHNP's Approved BOP Vendor List for the below Items.					
NO	품목 코드 Item Code	품 명 Item Description	품질 등급 Quality Class	운용 분야 Field	유효기간 Authorized Period
6	M220	해수취수펌프	A	원자력	2016.11.25~2019.11.24
7	M210	CI Sea Water Supply Pump & Circulating Water Screen Wash P/P	S	원자력	2016.11.25~2019.11.24
2016.11.25					
한국수력원자력(주) KOREA HYDRO & NUCLEAR POWER CO., LTD.					

KEPCO (Korea) – CWP / CEP (Up to 1000MW)



발급번호 : 6C09-8DDA-4391-A39E-C479

기자재 공급 유자격 등록증

등록번호 : EASYU2015-02101
업체명 : (주)신신기계
공장주소 : 부산광역시 기장군 정관면 농공길 85
품명 : 해수취수펌프(고정익)
운영구분 : 건설(기계)
유효기간 : 2015-09-14 ~ 2018-09-13

비고 :

상기업체는기자재공급통합관리기준에 따라 한국남부발전(주), 한국서부발전(주), 한국중부발전(주), 한국동서발전(주), 한국남동발전(주)의기자재공급유자격자로인증함.

2015. 09. 14

* 인터넷으로 발급된 인증서이며, <https://easyu.kospo.co.kr> 에서 원본 확인이 가능합니다.

발급번호 : 7B94-5911-41FA-A67A-E235

기자재 공급 유자격 등록증

등록번호 : EASYU2015-01942
업체명 : (주)신신기계
공장주소 : 부산광역시 기장군 정관면 농공길 85
품명 : 복수펌프(1000MW급)
운영구분 : 건설(기계)
유효기간 : 2015-06-11 ~ 2018-06-10

비고 :

2016. 01. 18

* 인터넷으로 발급된 인증서이며, <https://easyu.kospo.co.kr> 에서 원본 확인이 가능합니다.



Other Certificate

End of Document

