HANSUNG INDUSTRY
INTRODUCTION

HANSUNG Industry

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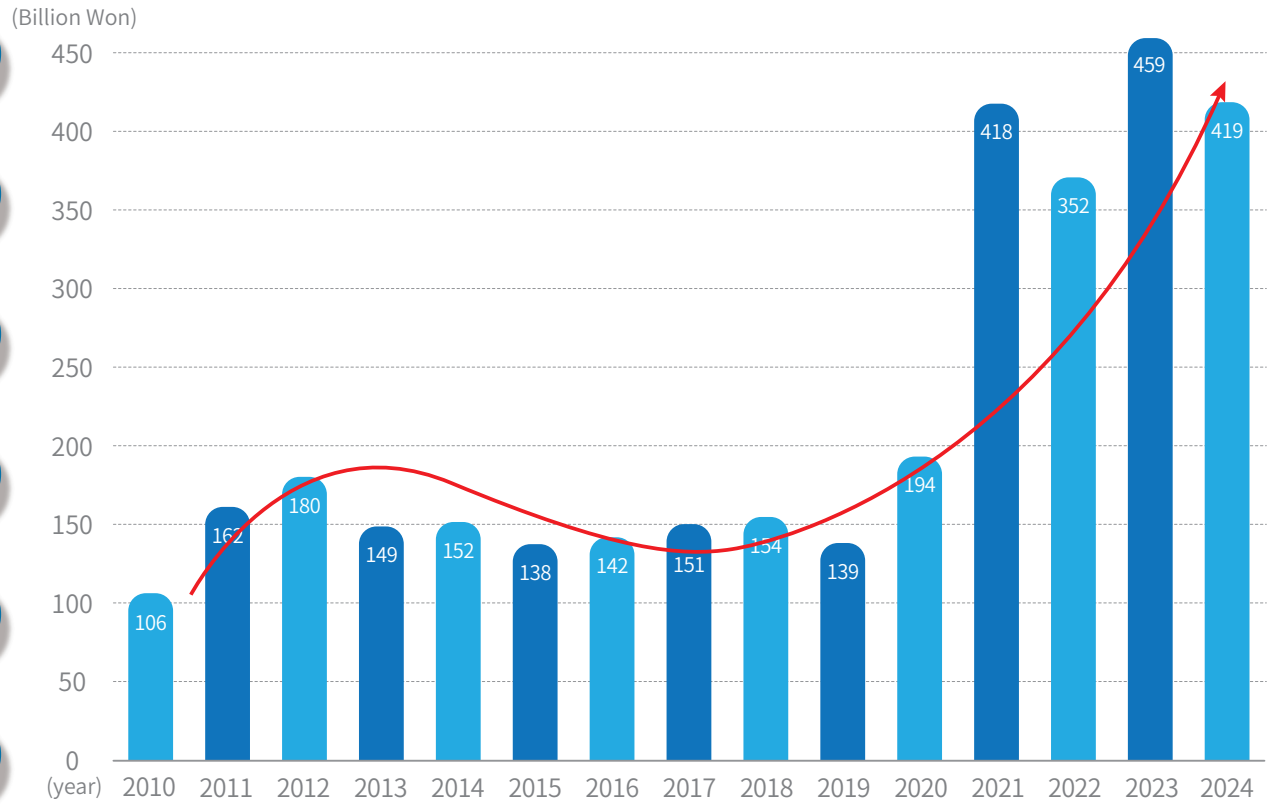
General Status

Company Name	HANSUNG INDUSTRY
C.E.O	DEA JOON, BEAK
Begin	May 15th. 1998
HANSUNG INDUSTRY LLC	September 1st, 2008
Address	26 Gwangwolan-gil, Okgu-eup, Gunsan-si, Jeonbuk-do, Korea
E-mail	sales@hansunghi.com
Certification	NET, EPC, Patents etc

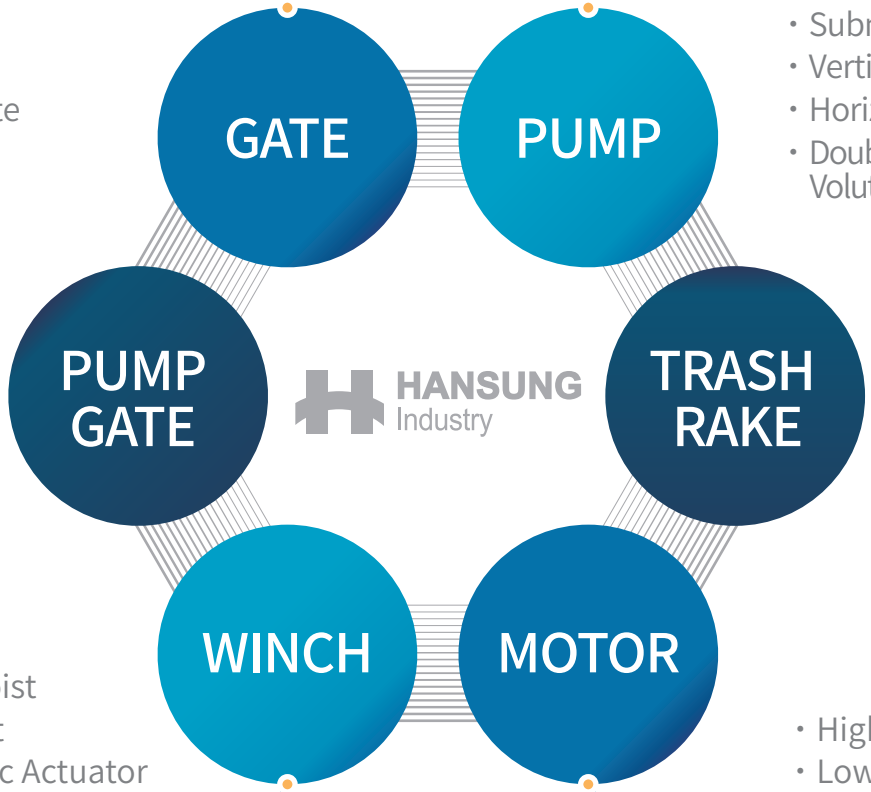
HANSUNG INDUSTRY Annual sales



Business area

MANUFACTURE

- Roller Gate
- Sluice Gate
- F.R.P Auto Gate
- Movable weir



- Submersible pump
- Vertical pump
- Horizontal pump
- Double suction pump, Volute pump etc

- Wire Drum Hoist
- Pin Jack Hoist
- Hydrodynamic Actuator

- High voltage motor
- Low voltage motor

CONSTRUCTION

Metal structure construction

Water and sewage facility construction

Pumping Station, Drain pump station design and construction

Drainage sluice gate design and construction

History

1998
- 05. [HANSUNG Industrial Machinery] establishment
- 06. Agency agreement by HYOSUNG Industry Co., Ltd.

1999
- 11. Agency agreement by Youngpoong Precision Co., Ltd.

2006
- 06. Factory construction relocation

2007
- 03. Expansion and transition to motor and pump manufacturing
- 07. Incorporation transition to Hansung Industry
- 09. Designated service center for Hyosung A/S

2009
- 08. Acquisition INNO-BIZ certification

2010
- 02. Factory construction relocation
- 02. Recipient of $1 million Export Tower Award in 2009
- 04. Factory registration
- 04. License registration for water supply and sewage construction business
- 05. Acquisition of Corporate Research Institute Accreditation Certificate
- 06. ISO 14001 certification/acquisition
- 10. Acquisition of Product Certification (ICS B 6321)
- 12. Promising Small and Medium-sized Enterprise Certification in Jeollabuk-do Province

2011
- 02. 2011 Promising Export Company Certification
- 04. Acquisition of Venture Enterprise Confirmation Certificate
- 11. Acquisition MAIN-BIZ certification

2012
- 05. Certification as Qualified Maintenance Contractor for Korea Midland Power Co., Ltd
- 08. Confirmation of INNO-BIZ
- 09. Acquisition of PUMPRO with Excellent Procurement Joint Trademark Product Designation Certificate

2013
- 05. Electric Motor and Inspection System for Electronic Endoscope Examination Unit
- 05. Green Management Award

2015
- 03. Minister 's Award from the Ministry of Trade, Industry and Energy
- 11. Designation Certificate for Overseas Procurement Market Entry Companies (G-PASS Companies)

2016
- 07. NET Disaster Prevention Technology Designation Certificate
- 07. Performance Certificate_Pump with Carbon Composite Liner Ring
- 07. 2016 Promotion Project for Jeollabuk-do Companies Going Global [Global Excellent Companies]

2017
- 03. Certificate of Designation as a Global IP Enterprise

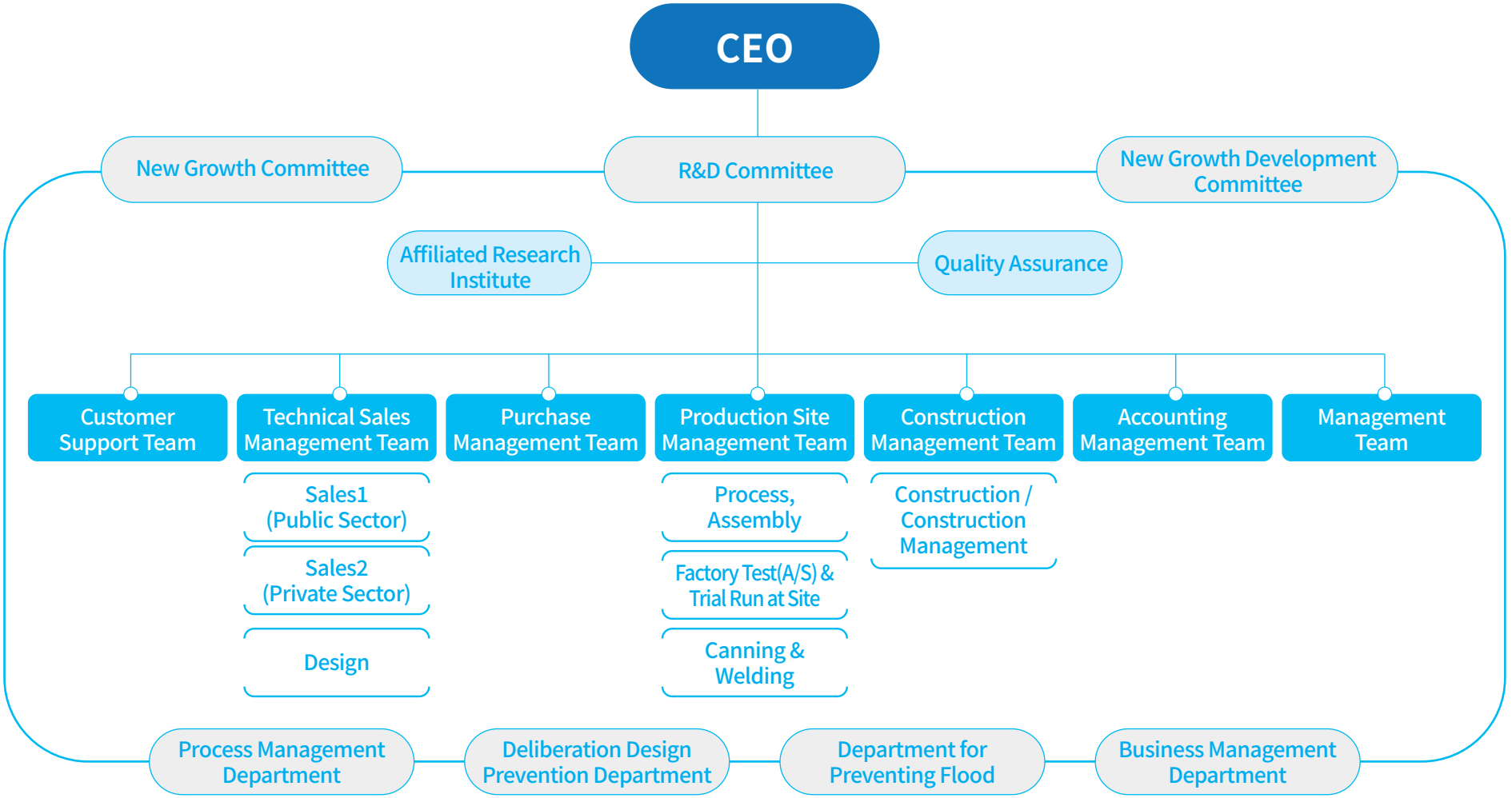
2018
- 02. Hygiene and Safety Standards (KC) Certification (Centrifugal Pump)
- 06. Certificate of Excellence (Pump and Pump Gate with Carbon Composite Liner Ring - Procurement Office)

2021
- 11. License registration for steel structure construction business
- 11. License registration for mechanical facilities construction business
- 11. License registration for interior construction business
- 11. License registration for landscaping facility installation construction business

2023
- 05. NET New disaster safety technology certificate_Pump with non-gap carbon wearing(Ministry of the interior and safety / No.2023-10)
- 11. Performance certificate_Pump with non-gap carbon wearing (Ministry of SMEs and Startups / No. 23-AAO0375)

2024
- 06. Excellent procurement product certificate (Public procurement service / No. 2024028)

Organization



Factory Site

Head quarter & First factory

Address	26, Gwangworan-gil, Okgu-eup, Gunsan-si, Jeonbuk-do, Korea		
Telephone	+82-63-441-9100	**Fax**	+82-63-441-9199
First factory (manufacture pump, motor, Pump gate, Gate, Winch, Trash rake)			
Area	4,742.5㎡		

SeoCheon 2nd factory

Address	676 Seokchon-li, Jongcheon-myun, Seocheon-gun, Chungcheongnom-do, Korea		
Telephone	+82-41-953-9002	**Fax**	+82-41-953-9003
Third Factory (storage of wood casting, Gate, Winch, Manufacture Large size pump & Motor, test facility)			
Area	8,068㎡		

List of certificates and registrations

Certificates and registration documents

- Excellent Procurement Products (Pumps, Gate pump)
- New Technology for Disaster Safety certificate
- Performance Certificate Product
- Performance Sharing System

Excellent procurement product certificate

우수제품지정증서

지정번호 2024028

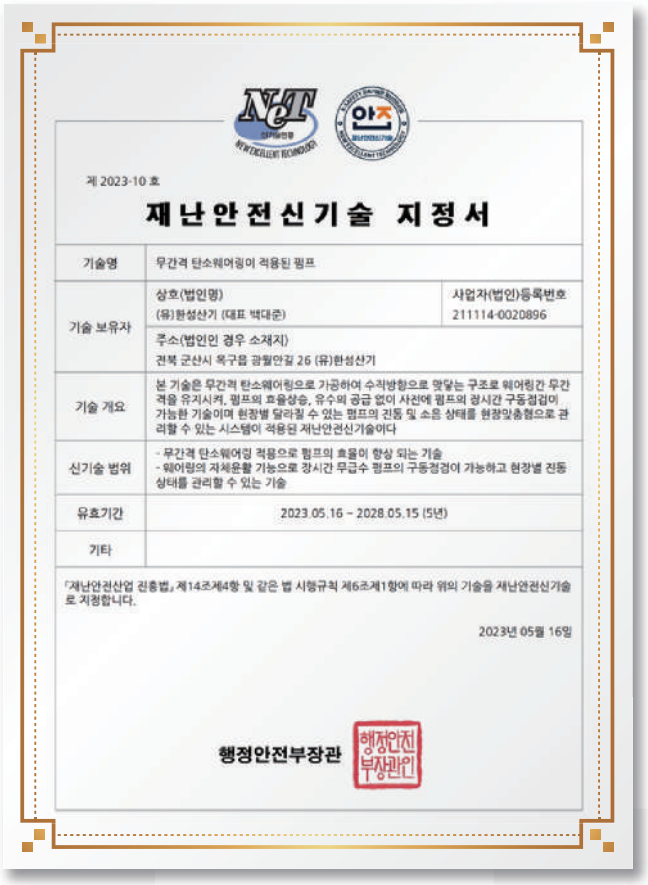
제 품 명 : 무간격 탄소웨어링이 적용된 펌프
업 체 명 : 유한회사 한성산기
대표자명 : 백 대 준
지정기간 : 2024. 6. 14. ~ 2027. 6. 13.
지정범위 : 펫면참조

위 제품을 조달사업에관한법률
제26조 및 동법시행령 제30조에 따라
위와 같이 우수제품으로 지정합니다

2024년 6월 14일

조 달 청 장

New Technology for Disaster Safety certificate



제 2023-10 호

재난안전신기술 지정서

기술명	무간격 탄소웨어링이 적용된 펌프	
기술 보유자	상호(법인명) (유)한성산기 (대표 백대준)	사업자(법인)등록번호 211114-0020896
	주소(법인인 경우 소재지) 전북 군산시 옥구읍 광월안길 26 (유)한성산기	
기술 개요	본 기술은 무간격 탄소웨어링으로 가공하여 수직방향으로 맞닿는 구조로 웨어링간 무간격을 유지시켜, 펌프의 효율상승, 유수의 공급 없이 사선에 펌프의 정시간 구동점검이 가능한 기술이며 현장별 달라질 수 있는 펌프의 진동 및 소음 상태를 현장맞춤형으로 관리할 수 있는 시스템이 적용된 재난안전신기술이다	
신기술 범위	- 무간격 탄소웨어링 적용으로 펌프의 효율이 향상 되는 기술 - 웨어링의 자체윤활 가능으로 장시간 무급수 펌프의 구동점검이 가능하고 현장별 진동 상태를 관리할 수 있는 기술	
유효기간	2023.05.16 ~ 2028.05.15 (5년)	
기타		

「재난안전산업 진흥법」 제14조제4항 및 같은 법 시행규칙 제6조제1항에 따라 위의 기술을 재난안전신기술로 지정합니다.

2023년 05월 16일

행정안전부장관

List of certificates and registrations

Certificates and registration documents

- Excellent Procurement Products (Pumps, Gate pump)
- New Technology for Disaster Safety certificate
- Performance Certificate Product
- Performance Sharing System

Performance certificate

23-AA00375

성 능 인 증 서

○ 제 조 업 체 명 : (유)한성산기
○ 대 표 자 성 명 : 박대준
○ 소 재 지 : 전라북도 군산시 옥구읍 공월안길 26
○ 수 검 공 장 : 전라북도 군산시 옥구읍 공월안길 26
○ 인 증 품 목 : 무간격 탄소섬유쉬라우드 적용된 펌프 [350-HSI-HISMPA30 등 8종]
○ 성능검사 규격기준: 회사제시 규격
○ 인 증 유 효 기 간 : 2023. 11. 14. ~ 2026. 11. 13.
○ 인증품목의 용 도: 공공기관 납품용

「중소기업제품 구매촉진 및 판로지원에 관한 법률」 제15조 및 같은 법 시행규칙 제11조4항에 따라 위와 같이 성능인증을 합니다.

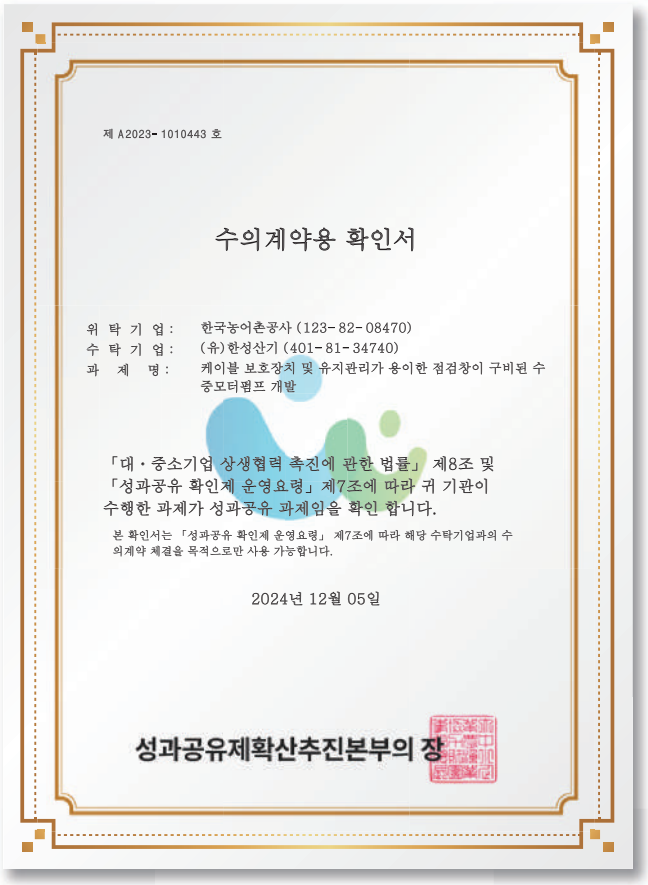
2023년 11월 14일

중소벤처기업부장관

중소벤처기업부 장관인

성능인증

Performance Sharing System



제 A2023- 1010443 호

수의계약용 확인서

위 탁 기 업 : 한국농어촌공사 (123-82-08470)
수 탁 기 업 : (유)한성산기 (401-81-34740)
과 제 명 : 케이블 보호장치 및 유지관리가 용이한 점검창이 구비된 수중모터펌프 개발

「대·중소기업 상생협력 촉진에 관한 법률」 제8조 및 「성과공유 확인제 운영요령」 제7조에 따라 귀 기관이 수행한 과제가 성과공유 과제임을 확인 합니다.

본 확인서는 「성과공유 확인제 운영요령」 제7조에 따라 해당 수탁기업과의 수의계약 체결을 목적으로만 사용 가능합니다.

2024년 12월 05일

성과공유제확산추진본부의 장

List of certificates and registrations

Other Certificates and Registrations

NO.	CATEGORY	TITLE	REGISTRATION #	ISSUING AUTHORITY
01	Company-affiliated research institute	(LLC) Hansung iIndustry Research Institute	No. 2010210318	Korea industrial technology association
02	KS(Korean standards)	KS product Certification - Submersible motor pump for drainage (KS B 6321)	No. 10-0608	Korea standards association
03	KS(Korean standards)	KS Product Certification - Double suction volute pump (KS B 6318)	No. KTC 2017-0373	KTC
04	KC certification	Sanitary safety standard (KC) certification - Centrifugal pump	KCW-2018-0041	Korea water and wastewater works association
05	Carbon company	Carbon company designation certificate	No. 2017-001	Jeonbuk-do
06	Quality management system	KS Q ISO9001:2015 / ISO9001:2015	QMS-3482	Korea standards association
07	Environmental management system	KS I ISO14001:2015/ ISO14001:2015	EMS-1152	Korea standards association
08	INNO-BIZ	Confirmation of technology innovation type small and medium-sized enterprise	No. R9101-1775	Ministry of SMEs and Startups
09	MAIN-BIZ	Confirmation of management innovation type small and medium-sized enterprise	No. 111001-03832	Ministry of SMEs and Startups
10	Patents (Total of 28)	Motor inspection system	No. 10-0959198	Korean intellectual property office
11		Submersible motor pump	No. 10-0968384	
12		Scattering waste containment device with double locking door	No. 10-1045676	
13		Cooling device for submersible pump	No. 10-1104091	
14		Internally mounted sluice gate device	No. 10-1141588	
15		Intelligent drainage pumping station management system	No. 10-1247209	
16		Intelligent drainage pumping station management system	No. 10-1278973	
17		Impeller for preventing turbulence and pump equipped with it	No. 10-1373691	
18		Submersible motor pump and inspection device that are easy to maintain	No. 10-1466238	
19		Submersible motor pump with cable protection and self-lifting structure	No. 10-1559067	
20		Pump equipped with carbon composite liner ring	No. 10-1572913	
21		Pump capable of waterless operation	No. 10-1670230	
22		Vibration reduction pump	No. 10-1715604	
23		Non-gap pump wearing that blocks heat transfer	No. 10-1835752	
24		Non-gap pump wearing for easy assembly	No. 10-1845067	
25		Pump with non-gap wearing	No. 10-1883649	

List of certificates and registrations

Other Certificates and Registrations

NO.	CATEGORY	TITLE	REGISTRATION #	ISSUING AUTHORITY
26	Patents (Total of 28)	Prefabricated pump impeller	No. 10-1885348	
27		Method for manufacturing uniform and high-strength pump impeller	No. 10-2006737	
28		Method for manufacturing carbon wearing with improved abrasion resistance	No. 10-2337118	
29		Installation structure for submersible pump concrete structures	No. 10-2422046	
30		Pump and pump-integrated sluice gate with non-gap wearing	No. 10-2432470	
31		Structure directly Connected pump system	No. 10-2454316	
32		Submersible pump equipment installed directly into concrete structures	No. 10-2493893	
33		Carbon wearing molding device	No. 10-2502735	
34		Vibration reduction pump	No. 10-2574065	
35		Vibration reduction pump	No. 10-2627725	
36		Wire lifting pump gate system with downward pressure	No. 10-2704916	
37		Screening device for pump equipment	No. 10-2715337	

Manufacture

No.	PART	DETAIL PART	DETAIL PART #	NOTE
01	Pump part	Multistage volute pump	4015150301	Greater than 900mm discharge pipe (include less than 900mm discharge pipe)
02		Single stage volute pump	4015150302	
03		Double suction pump	4015150303	
04		Single suction pump	4015150304	
05		Submersible pump	4015151301	
06		Submersible inline pump	4015151302	
07		Sewage pump	4015151701	
08		Sludge pump	4015152501	Less than 200mm discharge pipe, less than 600mm discharge pipe
09		Vertical axial flow pump	4015154601	Greater than 900mm discharge pipe (include less than 900mm discharge pipe)
10		Deep well pump	4015154701	
11		Booster pump	4015156601	Less than 200mm dischrage pipe

List of certificates and registrations

Manufacture

No.	PART	DETAIL PART	DETAIL PART #	NOTE
12	Pump part	Vertical mixed flow pump	4015157001	Greater than 900mm discharge pipe (include less than 900mm discharge pipe)
13		Horizontal mixed flow pump	4015157002	
14	Pipe parts and equipment	Gate leaf	4014178401	
15		Gate guide frame	4014178402	
16	Conveyor and accessory	belt conveyor	2410171201	Ministry of SMEs and Startups
17	Water supplying treatment equipment	Debris disposal machine	4710997801	
18		Drum screen	4710997901	
19		Trash rake	4710998001	
20		Flat screen	4710998701	
21	Water treatment equipment	Submersible aeration	4710999701	
22		Sludge collector	4710153601	
23		Aerator	4710151201	
24		Screen	4710997801	
25	Lifting device accessory	Electric wire rope hoist	2410160201	
26		Gib crane	2410165201	
27		Crane	2410165301	
28		Movable weir	2410167601	
29		Gate lifting device	2410168501	

Detailed Information on Key Certifications

Excellent procurement products (4 Types)

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

Excellent procurement product certificate

우수제품지정증서

지정번호 2024028

제 품 명 : 무간격 탄소웨어링이 적용된 펌프
업 체 명 : 유한회사 한성산기
대표자명 : 백 대 준
지정기간 : 2024. 6. 14. ~ 2027. 6. 13.
지정범위 : 횟밴펌조

위 제품을 조달사업에관한법률
제26조 및 동법시행령 제30조에 따라
위와 같이 우수제품으로 지정합니다

2024년 6월 14일

조 달 청 장

Pump with Non-gap Carbon Wearing

Detailed Information on Key Certifications

Background of Pump Technology Development

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

- A technology to enable pre-operational testing of pumps when the sump is in a waterless state is needed.
- To prevent disasters, high-efficiency pump technology capable of draining large volumes of water in a short time is essential.
- We need technology that can maintain the efficiency of pumps.
- We need technology for improving the durability through the reduction of vibration and noise in pumps.

Gwanghwamun Flood

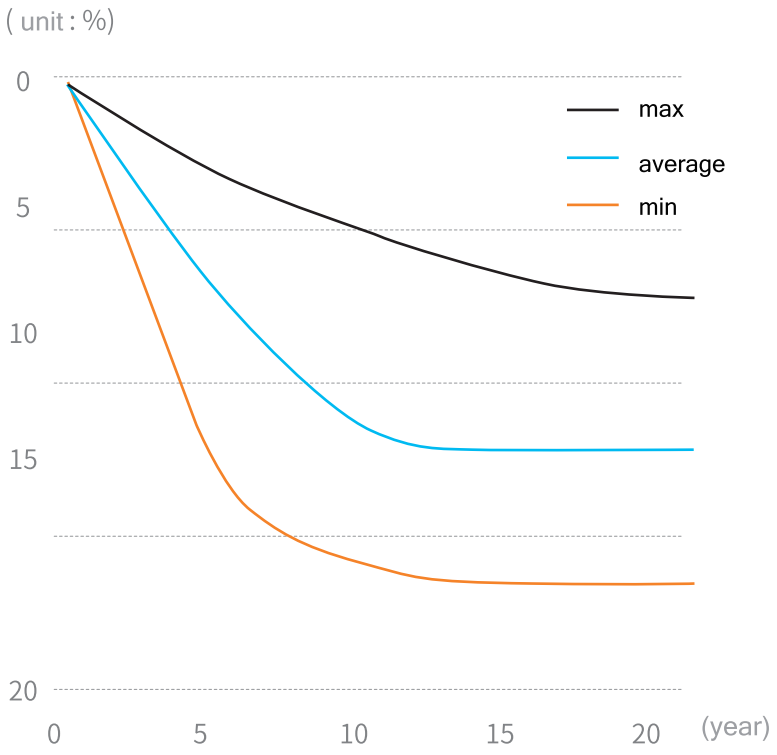
Gangnam Intersection Flood

Detailed Information on Key Certifications

Importance of efficiency performance maintenance

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

Typical efficiency degradation graph over operating time



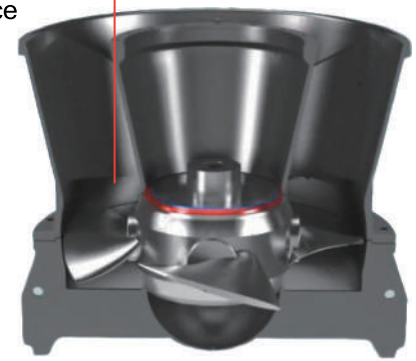
[source pump handbook p.151]

Expected losses by item over 10 years of operation

1. Losses due to pump aging (5~17%)

4~8%

- liner ring clearance
- shaft and bearing: 3%
- casing coating: 3%
- impeller maintenance : 3%



2. inefficient operation (8%)
3. inefficient piping system (3%)
4. Losses due to valve crossover (2%)
5. Selecting the appropriate pump for the system (5%)

Detailed Information on Key Certifications

The need to minimize pump vibration

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

- Long-term use of pumps can lead to vibration increase due to wear of rotating components, efficiency reduction, and deterioration of durability

Causes of vibration

Classification	vibration factors
Mechanical factors	• imbalance of rotating parts, damaged impeller or shaft with eccentricity • bent or twisted shaft • misalignment between the pump and the drive unit • deformation of pipes or shafts due to thermal expansion • failure to properly account for thermal expansion in shafts • scratched, worn, and worn-out components (bearings, bolts, etc.) • resonance caused by the rotational vibration of the pump
Hydrodynamic factors	• vaporization inside the pump • when the gap between the impeller blade tip and the cutwater is too small • internal recirculation in the pump • air ingress into the system due to vortex formation, etc. • turbulence within the system • cavitation

The need to minimize vibration by eliminating vibration factors and developing durable materials

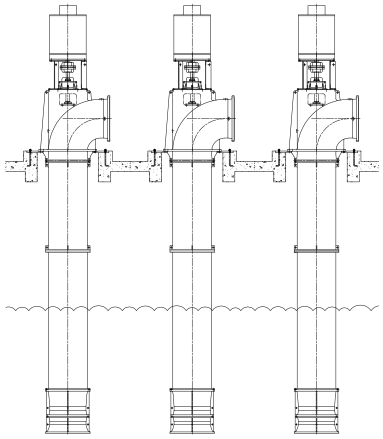
Detailed Information on Key Certifications

The necessity of pump operational testing in a dry state sump.

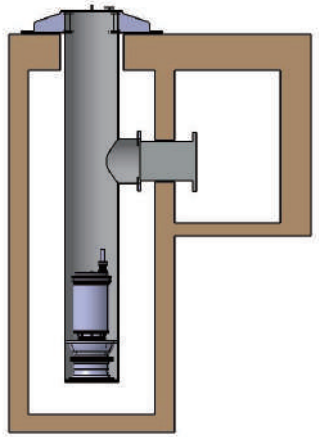
- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

- Regular operational checks are necessary to ensure smooth pump operation in the event of flooding disasters.
- Pumps are designed and manufactured with lubrication and cooling structures based on water. Typically, pump stations are in a dry state during normal operation.
- During pump operation in a dry state, there is a risk of component seizure, deformation, and damage due to heat.
- A separate water supply system is required for pump operation in a dry state.

In a water-filled state.



Secured the pump technology that allows continuous pump operational testing even when the sump is waterless



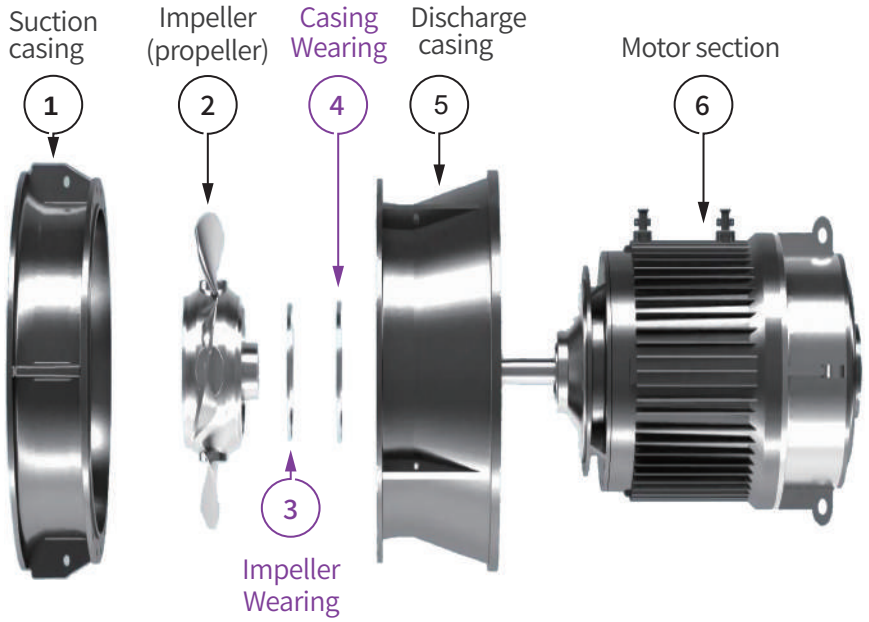
In a waterless state.

Detailed Information on Key Certifications

Components of the pump and the role of the Wearing

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

- Key components of the pump: electric motor, shaft, impeller, suction pipe, casing, discharge pipe, liner ring, etc
- The role of the Wearing is to minimize pressure leakage and prevent wear of the impeller and casing
- The smaller the gap between the liner rings, the less pressure loss occurs

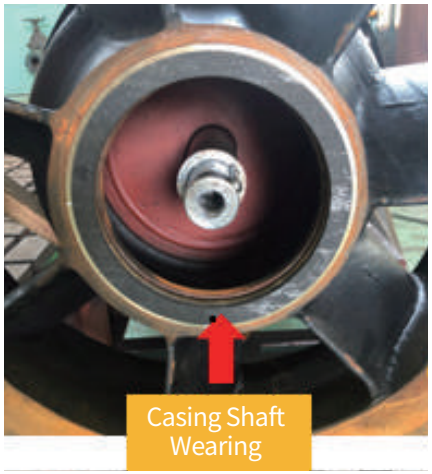


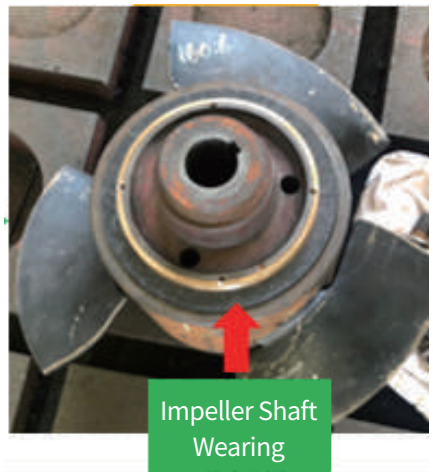
Detailed Information on Key Certifications

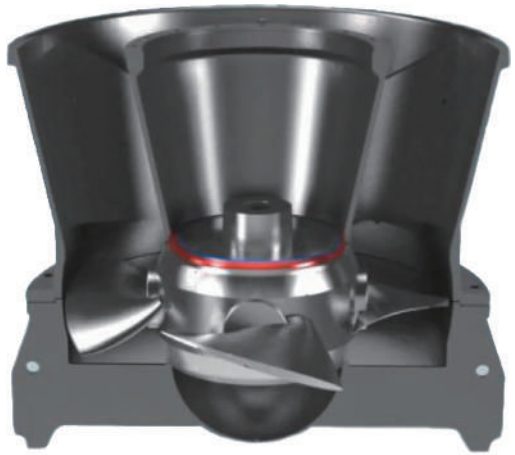
Issues with the existing Wearing

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

- The Wearing is made of bronze material to minimize damage from wear on the impeller and casing
- Heat causes material expansion, so a certain gap between the two components is necessary for smooth operation
- If the clearance of the Wearing is wide, it can lead to increased vibration and decreased efficiency
- If the clearance of the Wearing is narrow, it can lead to deformation, sticking, wear, and damage of the Wearing due to friction and vibration







Detailed Information on Key Certifications

Development and application of new material Wearing

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

- Carbon composite material is becoming increasingly essential in many fields due to its superior strength and wear resistance properties

Characteristics of Carbon Composite Materials for Machinery

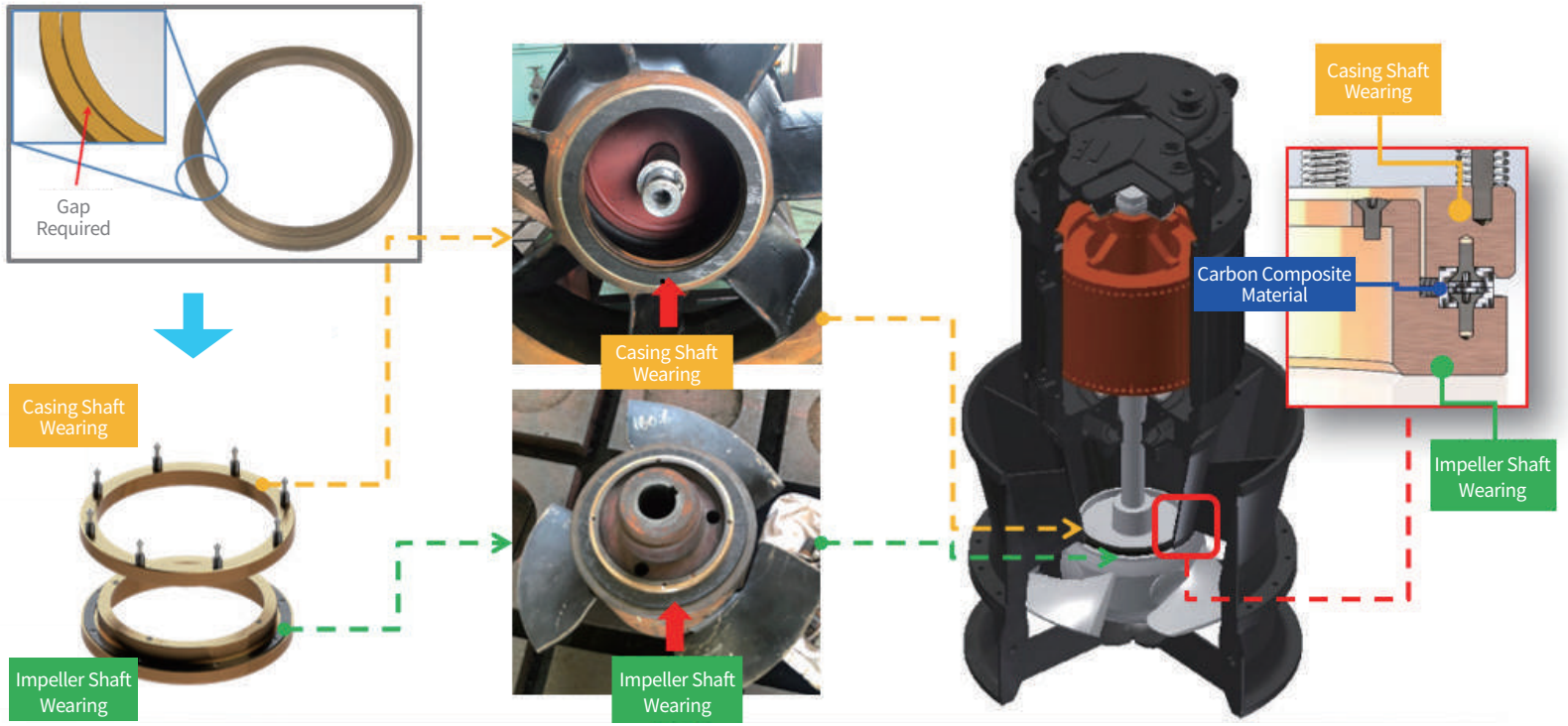
Carbon composite material	Characteristics
Self-lubricating	It possesses self-lubricating properties, eliminating the need for additional lubricants.
Thermal conductivity	It exhibits excellent thermal conductivity.
Friction properties	It offers outstanding performance in dry operation and frictional parts.
Electrical conductivity	It has electrical conductivity and partial adjustability.
Thermal expansion coefficient	It excels in state changes due to thermal expansion.
Corrosion resistance	It exhibits excellent corrosion resistance in fluids.
Moisture absorption	It does not absorb moisture, so it does not freeze. It can be used at high temperatures, and does not deform due to temperature changes.
Lightweight	It is very lightweight

Detailed Information on Key Certifications

The application technology of carbon composite pumps

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

Previously Used Metal Wearing (Liner ring) → Carbon Composite Wearing (Liner ring)



Detailed Information on Key Certifications

The effect of technology
- Comprehensive analysis

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

· Effect analysis according to new technology (maximum/minimum average)

Category	Previous company products	High-quality Product	Comparison details	Result
Dry Test Running	Impossible	possible	Previous: Not possible requested technology: Possible	Increase
Noise(dB)	77.1	61.6	20%	Decrease
Vibration(um)	7.2	4.5	37.50%	
Coefficient of Friction	0.229	0.15	34.50%	Increase
Amount of Wear(mg)	0.202	0.09	55.40%	
Liner Ring Gap(mm)	0.58~1.12	0	Previous: Presence of gap requested technology: Non gap	Reduction
Thermal Expansion(㎛/(m·℃))	20.9	2.3	88.90%	Increase
Abrasion Resistance(mm)	0.85	0.13	5.5times	

[Source] Korea Testing & Research Institute for Machinery, Electricity, and Electronics Score Report and 4 other documents

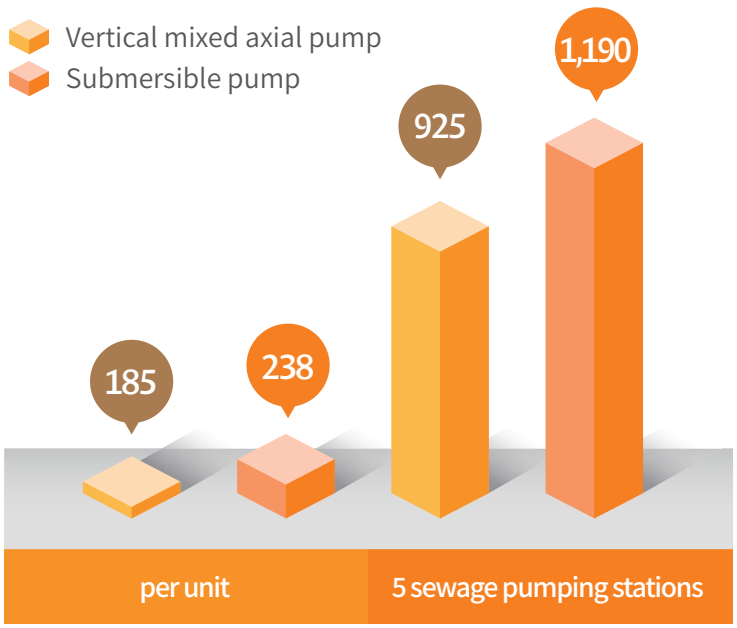
Detailed Information on Key Certifications

Economic impact analysis of new technology

- Submersible Pump
- Vertical Mixed Flow Pump
- Vertical Axial Flow Pump
- Gate Pump

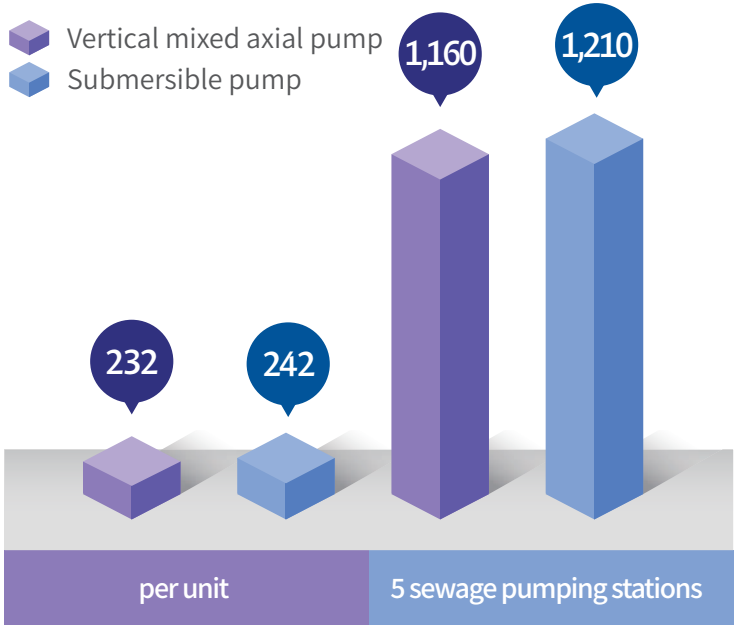
LCC (Life Cycle Cost) analysis

(unit : 1 million won)



LCC cost analysis (maintenance cost)

(unit : 1 million won)

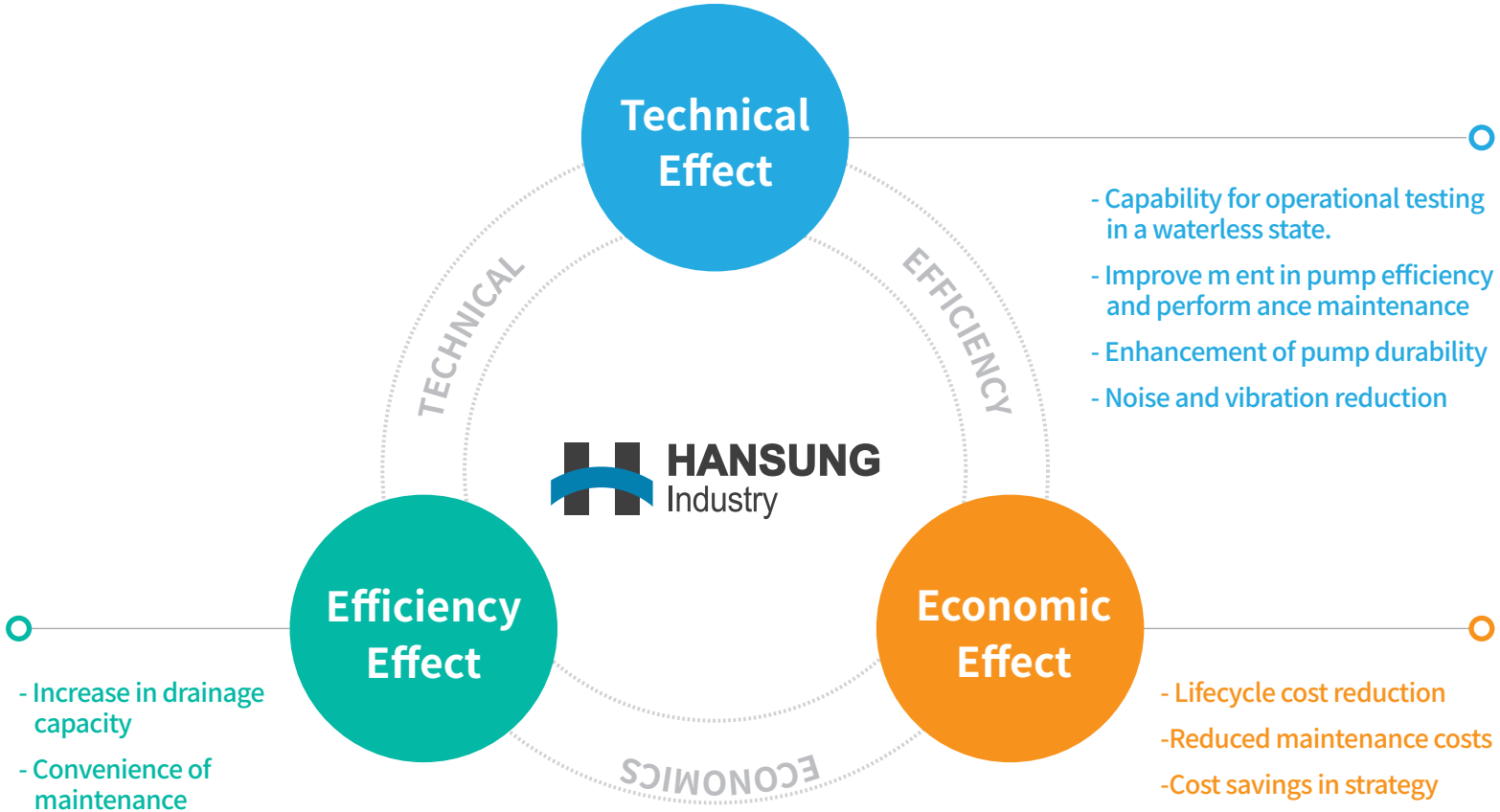


The economic effect of approximately 300 million won per pump (based on the number of pumps in the pumping station) compared to the existing pumping station.

Detailed Information on Key Certifications

Experience Record

- Submersible pump
- Vertical mixed axial flow pump
- Gate pump



Construction Record

“Holds the Largest Diameter and Most Extensive Track Record in Korea”

Seoul, Gyeonggi, Incheon

56Cases, **155**Sets

Including 2200mm at Sinpyeong Drainage Pumping Station, Goyang City

Chungcheong Region

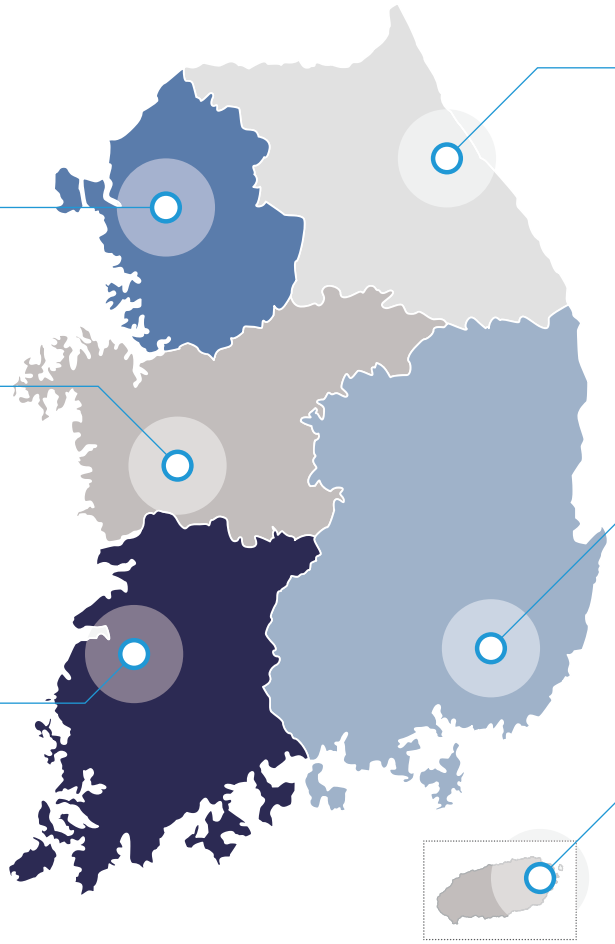
15Cases, **50**Sets

Including 2000mm at Wangpo District, Buyeo County

Jeolla Region

78Cases, **195**Sets

Including 1500mm at Sintaein District, Jeongeup City



Gangwon Region

5Cases, **12**Sets

Including 1800mm at Ponam District, Gangneung City

Gyeongsang region

42Cases, **118**Sets

Including 1800mm at Deokcheon Intersection, Busan City

Jeju Region

4Cases, **21**Sets

Including 1650mm at Jongdal District, Jeju City

Total Delivery Record: 200 Cases, 551 Sets

Experience Record

Experience Record

Sumersible Mixed Flow Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
1	Goyang-si, Gyeonggi-do	Shinpyeong 2nd Pumping Station	Φ2200mm×660㎥/min×9mH×1300kW×8P×5ea	12/18
2	Buyeo County, Chungcheongnam-do	Wangpo Disaster-Prone Area	Φ2000×520㎥/min×9.5m×1100kW×22P 3ea	03/16
3	Gangneung City Waterworks	Flood Recovery Project in Ponam District	Φ1800×480㎥/min×8mH, 860kW 3ea	11/21
4	Rural Development Administration, Uiseong-Gunwi Office	Repair Facility Reconstruction Project in Seongam District	Φ1800×473.55㎥/min×6.7mH, 770kW×32P 2ea	06/19
5	Rural Development Administration, Uiseong-Gunwi Office	Repair Facility Reconstruction Project in Seongam District	Φ1800×473.55㎥/min×6.7mH, 770kW×32P 2ea	12/19
6	Guri-si, Gyeonggi-do	Acheon Rainwater Pumping Station	Φ1800×420㎥/min×9.8m×1000kW×24P 2ea	11/14
7	Buyeo County, Chungcheongnam-do	Wangpo Disaster-Prone Area	Φ1650×347㎥/min×9.5m×750kW×20P 3ea	03/16
8	Rural Development Administration, Uissong-Gunwi Office	Repair Facility Reconstruction Project in Seongam District	Φ1650×330㎥/min x 7.4m x 520kW x 24P 2ea	08/18
9	Jeju-si, Jeju Special Self-Governing Province	Jongdal District Comprehensive Maintenance Project for Flood and Wind Disaster-Prone Areas	Φ1650mm×350㎥/min×6.3mH, 490kW×28P 3ea Φ600mm×40㎥/min×9mH, 90kW×8P 1ea	12/23
10	Jeongeup City, North Jeolla Province	Improvatient Project for Sin Taein Disaster-Prone Area	Φ1500×325㎥/min×10.5m×750kW×20P 3ea	01/15
11	Korea Rural Community Corporation Haman Branch	Jangam District Drainage Improvement Project	Φ1500×316㎥/min×10.1mH, 690kW×22P 2ea	12/22
12	Cheonan City, Chungcheongnam-do	Jangsan Distriction Recovery Project	Φ1500×310㎥/min×10mH, 710kW×20P 4ea, Φ1200×165㎥/min×9mH, 350kW×16P 4ea	06/24
13	Seoul Metropolitan Infrastructure Headquarters	Sinimun Rainwater Pumping Station	Φ1350×250㎥/min×5.0m×300kW 3ea	02/15
14	Pyeongtaek City, Gyeonggi Province	Tongbok Urban Development Rainwater Pumping Station	Φ1350mm×110㎥/min×12mH×320kW×14P×3300V 4ea	05/20
15	Seongju County, Gyeongsangbuk-do	Dongam District Disaster Recovery Project	Φ1200×190㎥/min×8mH, 375kW×20P 4ea	07/21
16	Gurye-gun, Jeollanam-do	Anchon Drainage Pumping Station	Φ1200mm×190㎥/min×10.5mH, 485kW×16P 6ea	12/23
17	Korea Rural Community Corporation Iksan Branch	Hwasan District Drainage Improvement Project	Φ1200×189.15㎥/min×6.1mH, 260kW×22P 4ea, Φ600×41.7㎥/min×6.1mH, 65kW×10P 2ea	12/22
18	Korea Rural Community Corporation Changnyeong Branch	Soya Mountain District Drainage Improvement Project	Φ1200×180㎥/min×9.1mH, 360kW×16P 3ea, Φ700×60㎥/min×9.2mH, 132kW×12P 1ea	12/22
19	Hadong County, Gyeongsangnam-do Province	Improvement Project for Natural Disaster-prone Areas in Goha	Φ1200×158㎥/min×7mH, 260kW×P 2ea Φ900×79㎥/min×7mH, 140kW×16P 1ea	08/20
20	Clean Water Business Division, Seongnam City, Gyeonggi Province	Sungnam Water Quailty Restoration Center Fast Treatment Plant	Φ1200×150㎥/min×11mH, 400kW×14P 1ea	04/21

Experience Record

Experience Record

Sumersible Mixed Flow Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
21	Gurye-gun, Jeollanam-do	Bongso Drainage Pumping Station	Φ1000mm×125㎥/min×9.5mH, 290kW×14P 3ea	12/23
22	Incheon, Namdong-gu	Rainwator Retention Facility in Soranguk Area	Φ1000×122㎥/min×8mH, 250kW×14P 3ea	11/20
23	Yangyang-gun, Gangwon Special Self-GovernningProvince	Sangwoon Pumping Station	Φ1000×114㎥/min×5.0mH, 130kW×20P 2ea, Φ400×18㎥/min×4.6mH, 22kW×8P 2ea	06/24
24	Wanju-gun, Jeollabuk-do	Gosan Eou Natural Disaster Risk Improvement District Maintenance Project	Φ900×125㎥/min×5.5mH, 170kW×20P 3ea	08/22
25	Danyang-gun, Chungcheongbuk-do	Danyang-Gapyeong District Flooded Area Improvement and Restoration Project	Φ900×100㎥/min×6mH, 150kW×16P 3ea	03/23
26	Korea Rural Community Corporation Buyeo Branch	Majeong2 District Water Facility Repairing Project(Majeong Pumping Station)	Φ900mm×96.67㎥/min×7mH, 160kW×16P 3ea	05/24
27	Gwangju Metropolitan City, Jeollanam-do	Geumcheon Watershed	Φ900×85㎥/min×mH, 90kW×P EA	12/13
28	Water Management Office, Yeongdeok-gun,Gyeongsangbuk-do	Flooded Area Disaster Recovery Project In Ganggu 2-1	Φ800×94.5㎥/min×8.5mH, 190kW×14P 2ea Φ150×2㎥/min×15mH, 11kW×4P 2ea	06/21
29	South Chungcheong Regional Headquarters, Korea Environment Corporation	Jungdong 1 Rainwater Pumping Station, Gunsan City	Φ800mm×90㎥/min×7.7mH×190kW×14P 3ea	12/17
30	Miryang-si, Gyeongsangnam-do	Jukgok Drainage Pumping Station	Φ800×85㎥/min×10mH, 250kW×16P 1ea	05/22
31	Miryang-si, Gyeongsangnam-do	Sastoo Pumping Station	Φ800×80㎥/min×6mH, 110kW×16P 3ea	06/21
32	Miryang-si, Gyeongsangnam-do	Oesong Drainage Pumping Station	Φ800mm×75㎥/min×8mH, 150kW×4P 2ea	11/23
33	Eumseong-gun, Chungcheongbuk-do	Sincheon Natural Disaster Risk Improvement District Maintenance Project	Φ800mm×67㎥/min×5.5mH, 95kW×14P 3ea	11/23
34	Gapyeong-gun, Gyeonggi-do	Cheongpyeong Drainage Pumping Station	Φ800×60㎥/min×7mH, 105kW×14P 2ea	06/22
35	Clean Water Management Office, Uljin-gun, Gyeongsangbuk-do	Uljin Town Flooded Area	Φ700×70㎥/min×9.5mH, 170kW×14P 3ea	12/21
36	Korea Rural Community Corporation Dalseong Branch	Bonli District Irrigation Facility Renovation Project	Φ700×70㎥/min×8.4mH, 160kW×12P 3ea	03/23
37	Wastewater Management Division, Gunsan City. Jeollabuk-do	Pubilc Sewage Treatment Plant	Φ700×50㎥/min×14.5mH, 165kW×10P 2ea Φ700×50㎥/min×12mH, 150kW×8P 3ea Φ500×25㎥/min×14.5mH, 90kW×6P 1ea	05/21
38	The Korea Rural Community Corporation's Dalseong Branch Office	Improvement Project for Drainage in Sindang District	Φ700×50㎥/min×7.4mH, 90kW×12P 3ea	09/21
39	Daejeon Metropolitan City Corporation	Pyeongchon District Urban Development Project	Φ700×50㎥/min×7.5mH, 90kW×12P 2ea	11/22
40	Cheonan City, Chungcheongnam-do	Rainwater Retention Facility in Buldang District	Φ700mm x 49.0㎥/min x 10.5mH x 120kW(380V) 3ea	06/21

Experience Record

Experience Record

Sumersible Mixed Flow Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
41	Korea Rural Community Corporation Gumi Kimcheon Branch	Haedong 1 Pumping Station	Φ600×46㎥/min×22.7mH, 250kW×6P 1ea	12/23
42	Korea Rural Community Corporation Gumi Kimcheon Branch	Haedong 1 Pumping Station	Φ600mm×46㎥/min×22.7mH, 250kW×6P 1ea	12/23
43	Miryang-si, Gyeongsangnam-do	Oesong Drainage Pumping Station	Φ600mm×36.7㎥/min×6mH, 55kW×12P 1ea, Φ500mm×32㎥/min×6mH, 55kW×12P 1ea	11/23
44	Uljin-gun, Gyeongsangbuk-do	Uljin (Hupo) Flooded Area Disaster Recovery Project	Φ500mm×40㎥/min×6.8mH, 70kW×12P 3ea	06/21
45	Korea Rural Community Corporation Iksan Branch	Geumgang (2) District Chunpo 2 Land Readjustment Project	Φ500mm×33㎥/min×7mH, 60kW×8P 1ea	03/18
46	Korea Rural Community Corporation Gunsan Branch	Jeungseok District Irrigation Facility Renovation Project	Φ500×30㎥/min×8.8mH, 65kW×8P 2ea	12/21
47	Korea Rural Community Corporation Dongjin Branch	Geumhwang District Water Source Facility Renovation Project	Φ500mm×30㎥/min×9mH, 75kW×8P 1ea 오배수 Φ200mm×4.5㎥/min×10mH, 15kW×4P 1ea	12/18
48	Korea Rural Community Corporation Gunsan Branch	Miryeong District Irrigation Facility Renovation Project	Φ500mm×30㎥/min×12mH, 90kW×8P 2ea	12/18
49	Korea Rural Community Corporation Gunsan Branch	Uchisang District Irrigation Facility Renovation Project	Φ500mm×30㎥/min×4.5mH, 37kW×8P 9ea	11/20
50	Korea Rural Community Corporation Gokseong Branch	Mokdong District Drainage Improvement Project	Φ500mm×28.8㎥/min×7.4mH, 55kW×6P 1ea	12/20
51	Waterworks Office, Gunsan-si, Jeollabuk-do	Public Sewage Treatment Plant	Φ500×25㎥/min×14.5mH, 90kW 1ea	05/22
52	Korea Rural Community Corporation Jeongeup Branch	Manjang District Mansu Pumping Station Irrigation Facility Renovation Project	Φ450mm×23.4㎥/min×9mH, 55kW×6P 2ea	04/20
53	Korea Rural Community Corporation Gunsan Branch	Seomo District Irrigation Facility Renovation Project	Φ400mm×21.63㎥/min×18mH, 110kW×6P 2ea	12/18
54	Korea Rural Community Corporation Gunsan Branch	Daewi District Irrigation Facility Renovation Project	Φ400mm×18㎥/min×10mH, 55kW×6P 1ea	12/18
55	Korea Rural Community Corporation Jeonju-Wanju-Imsil Branch	Jugyo District Irrigation Facility Renovation Project	Φ400mm×18㎥/min×10mH, 55kW×6P 1ea	12/19
56	Namdong-gu, Incheon Metropolitan City	Guwol District rainwater storage tank project	Φ350mm×13㎥/min×18mH, 70kW×6P 3ea	08/24
57	Buan-gun, Jeollabuk-do Special Self-Governing Province	Buan-eup Natural Disaster Risk Improvement District Maintenance Project	Φ350mm×4.5㎥/min×11mH, 22kW×6P 3ea	11/20

Experience Record

Experience Record

Submersible Axial Flow Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
1	Busan North District	Dukcheon Intersection Flood Relief Project	Φ1800×525㎥/min×6mH, 740kW×24P 8ea	10/21
2	Changwon City, Gyeongsangnam-do	Palyong Pumping Station	Φ1500×320㎥/min×7m×550kW×16P 1ea	11/13
3	Nonsan City, Chungcheongnam-do	Denghwa Pumping Station	Φ1500×270㎥/min×8mH, 500kW×16P 3ea	12/17
4	Uljin County, Gyeongsangbuk-do	Wolsong District Natural Disaster Hazard Improvement Zone Maintenance Project	Φ1350×230㎥/min×5.5mH, 300kW 3ea	06/22
5	Iksan City, Jeollabuk-do	Yucheon Rainwater Pumping Station	Φ1200×200㎥/min×7m×320kW×14P 2ea	06/17
6	Korea Rural Community Corporation Dongjin Branch	Ogeum Drainage Pumping Station	Φ1200×195㎥/min×4.2m(H)×190kW 3ea	06/12
7	Gapyeong County, Gyeonggi-do	Gapyeong and Cheongpyeong Drainage Pumping Station	Φ1200×190㎥/min×6.2mH, 280kW×16P 3ea Φ700×40㎥/min×7mH, 75kW×12P 2ea Φ200×4.5㎥/min×14mH, 15kW×4P 2ea	06/22
8	Gapyeong County, Gyeonggi Province	Gapyeong Drainage Pumping Station	Φ1200mm×190㎥/min×6.2mH, 280kW×16P 2ea	06/23
9	Korea Rural Community Corporation Dongjin Branch	Pyeongsa District Drainage Improvement Project	Φ1200×189㎥/min×4.5mH, 200kW×20P 2ea	09/21
10	The Korea Rural Community Corporation, Gumi-Gimcheon Branch	Yangho District Drainage Improvement Project	Φ1200×178.5㎥/min×5.2mH, 240kW×16P 2ea, Φ900×106.5㎥/min×5.4mH, 160kW×12P 2ea	12/22
11	Korea Rural Community Corporation Jungeup Branch	Yongsin Drainage Pumping Station	Φ1200×169.2㎥/min×190kW×3ea	03/12
12	Korea Rural Community Corporation Iksan Branch	Changri District Flood Damage Restoration Project	Φ1100×168㎥/min×5.7mH, 220kW×14P 5ea	09/24
13	Bosung County,Jeollanam-do	Boseongang 1 Hazard Mitigation Area Design District	Φ1000×135㎥/min×5.5mH, 200kW×18P 2ea	11/21
14	Yeongdeungpo District, Seoul	Daerim 2 Munrae Rainwater Pumping Station	Φ1000×112㎥/min×7.5m×190kw×12P 2ea	11/14
15	Korea Rural Community Corporation Jungeup Branch	Yujeong District Drainage Improvement Project	Φ900×100㎥/min×5.8mH, 132kW×12P 3ea	12/20
16	South Chungcheong Regional Headquarters, Korea Environment Corporation	Buan County Urban Flooding Prevention Project	Φ900mm×95㎥/min×7.0mH×190kW 1ea Φ500mm×22.5㎥/min×5.0mH×37kW 2ea	08/19
17	Korea Rural Community Corporation Dongjin Branch	Dongjin Branch Baekhak Branch Drainage Improvement Project	Φ900×90㎥/min×3.5mH, 78kW×18P 2ea Φ500×30㎥/min×3.9mH, 30kW×10P 2ea	09/21
18	Korea Rural Community Corporation Dongjin Branch	Jongya Drainage Pumping Station	Φ800×96㎥/min×3.3mH, 75kW×12P 1ea	04/19
19	Seogwipo City, Jeju Special Self-Governing Province	Sihyeong 1 Natural Disaster Risk Improvement District Maintenance Project	Φ800mm×90㎥/min×4.5mH, 100kW×12P 3ea	06/19

Experience Record

Experience Record

Submersible Axial Flow Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
20	The Korea Rural Community Corporation, Suncheon-Gwangyang-Yeosu Branch	Haeryong 1 District Drainage Improvement Project	Φ800×81㎥/min×4.3mH, 82kW×14P 2ea, Φ400×18㎥/min×5.2mH, 30kW×6P 1ea	10/22
21	Ulleung-gun, Gyeongsangbuk-do	Ulleung Flooded Area Disaster Recovery Project	Φ800×73㎥/min×4.5mH, 90kW×12P 4ea Φ800×75㎥/min×4.5mH, 90kW×12P 4ea	08/21
22	Ulleung-gun, Gyeongsangbuk-do Clean Water Business Office	Wolbyeon Flooded Area Disaster Recovery Project	Φ800×71㎥/min×4mH, 75kW×12P 3ea	09/21
23	Korea Rural Community Corporation Dongjin Branch	Hwangsan Area Facility Maintenance and Repair Project	Φ800×70.2㎥/min×5.1mH, 90kW×12P 2ea	05/21
24	Korea Rural Community Corporation Iksan Branch	Naechon Area Drainage Improvement Project	Φ800×70㎥/min×5.6mH, 95kW×12P 3ea	07/20
25	Gyeongju City Clean Water Business Headquarters Eco Water Center	Gyeongju Wastewater Treatment Plant	Φ800×60㎥/min×1.6mH, 37kW×14P 2ea	10/21
26	Jeongeup-si, Jeollabuk-do	Yeonji District	Φ700×70㎥/min×2.6m×45kW×18P 6ea	01/15
27	Korea Rural Community Corporation Jungeup Branch	Geosan District	Φ700×66㎥/min×4.24mH, 75kW 2ea	12/18
28	Korea Rural Community Corporation Mokpo Muan Sinan Branch	Bokyong District Drainage Recovery Project	Φ700×60㎥/min×4.6mH, 65kW×12P 1ea Φ700×60㎥/min×4.1mH, 65kW×12P 2ea	12/23
29	Jeonbuk Special Self-Governing Province, Gunsan City	Mijecheon Hometown River Restoration Project (Phase 3)	Φ600mm×42㎥/min×5mH, 55kW×8P 1ea	04/20
30	Uiryeong County, Gyeongsangnam-do	Seodong District Stormwater Retention Facility Installation Project (Phase 2)	Φ600mm×40㎥/min×6.6mH, 75kW×8P 3ea	12/21
31	Imsil-gun, Jeollabuk-do	Imsil Pumping Station	Φ600×40㎥/min×4.5mH, 60kW×8P 3ea	06/24
32	Cheongju City, Chungcheongbuk-do	Old Drainege Pump Replacement Project (Seomoon1,Songjeol)	Φ500×40㎥/min×3.5mH, 45kW×8P 3ea Φ500×30㎥/min×3.3mH, 37kW×8P 2ea	05/24
33	Korea Rural Community Corporation, Buan Branch	Daebeol District Public Agency Delegated Project	Φ500mm×33㎥/min×4mH, 37kW×8P 2ea	04/23
34	Korea Rural Community Corporation Gunsan Branch	Ssangbong District Water Facility Repairing Project	Φ500×33㎥/min×5.7mH, 55kW×8P 1ea	07/24
35	Nam-gu Office, Ulsan Metropolitan City	Shinjeong 3-dong Public Parking Lot Area	Φ500mm×30㎥/min×3.3mH, 30kW×8P 2ea	11/12
36	Korea Rural Community Corporation, Jeongeup Branch	Habaek District Irrigation Facility Rehabilitation Project	Φ500mm×30㎥/min×4mH, 37kW×8P 1ea	12/21

Experience Record

Experience Record

Vertical Mixed Flow Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
1	Dongdaemun District, Seoul Special City	Jeonnong 2 Rainwater Pumping Station	Φ1800mm×465㎥/min×9.2mH, 975kW×18P 3ea	07/23
2	Guro District, Seoul Special City	Gaebong 2 Rainwater Pumping Station	Φ1800mm×445㎥/min×7.4mH, 775kW×24P 5ea	11/23
3	Seongdong-gu, Seoul Special City	Mongchon 1, Pungnap Rainwater Pumping Station	Φ1650×450㎥/min×8mH, 900kW×24P 2ea Φ1200×195㎥/min×11mH, 485kW×16P 1ea	11/21
4	Seocho-gu, Seoul Special City	Mongchon Rainwater Pumping Station	Φ1650×450㎥/min×8mH, 900kW×28P 1ea	11/21
5	Yongsan-gu, Seoul Special City	Hannam Rainwater Pumping Station	Φ1650×320㎥/min×9.2mH, 670kW×20P 1ea	01/22
6	Songpa-gu, Seoul Special City	Songjeong Rainwater Pumping Station	Φ1650×320㎥/min×9.2mH, 670kW×20P 1ea	10/21
7	Songpa District, Seoul Special City	Mongchon 1 Rainwater Pumping Station	Φ1500mm×360㎥/min×8mH, 670kW×18P 5ea	05/23
8	Songpa-gu, Seoul Special City	Jamsil Pumping Station	Φ1500mm×315㎥/min×9.7mH, 670kW×18P 5ea	09/24
9	Songpa-gu, Seoul Special City	Seocho Rainwater Pumping Station	Φ1500×295㎥/min×10.2mH, 670kW×20P 5ea	12/21
10	Yeongdeungpo-gu, Seoul Special City	Yeongdeungpo Rainwater Pumping Station	Φ1500mm×295㎥/min×9mH×600kW 4ea	11/15
11	Yongsan-gu, Seoul Special City	Sageun Rainwater Pumping Station	Φ1500×290㎥/min×9.5mH, 670kW×20P 2ea	10/22
12	Seongdong-gu, Seoul Special City	Hannam Rainwater Pumping Station	Φ1500mm×280㎥/min×8mH×514kW×20P 3ea	12/15
13	Seocho-gu, Seoul Special City	Bangbae Rainwater Pumping Station	Φ1500mm×250㎥/min×10mH×588kW×20P 3ea	12/15
14	Songpa-gu, Seoul Special City	Mongchon 2, Pungnap Rainwater Pumping Station	Φ1400mm×280㎥/min×H 9.5m×800HP 1ea	11/14
15	Mapo-gu, Seoul Special City	Bongwon Rainwater Pumping Station	Φ1350×250㎥/min×10mH, 560kW×20P 1ea	07/21
16	Pohang Clean Water Business Headquarters	2016 Sewer Maintenance	Φ1350×220㎥/min×7mH, 375kW×22P 3ea	08/19
17	Songpa-gu, Seoul Special City	Sincheon Rainwater Pumping Station	Φ1200×211㎥/min×9mH, 450kW×16P 1ea	02/23
18	Songpa-gu, Seoul Special City	Heukseok Rainwater Pumping Station	Φ1200×211㎥/min×9mH, 450kW×16P 5ea	11/22
19	Seongdong-gu, Seoul Special City	Tancheon Rainwater Pumping Station	Φ1200×200㎥/min×8mH, 370kW×18P 2ea	06/21
20	Seocho-gu, Seoul Special City	Seocho Rainwater Pumping Station	Φ1200mm×190㎥/min×9.5mH×475kW×16P 1ea	12/15
21	Songpa-gu, Seoul Special City	Sincheon Rainwater Pumping Station	Φ1200mm×190㎥/min× H 10.5m×600HP 4ea	12/15
22	Songpa-gu, Seoul Special City	Sincheon Rainwater Pumping Station	Φ1200mm×190㎥/min×H 2ea	07/15
23	Seoul Water Reclamation Facilities Corporation	Seongnam Center Phase 2 Treatment Plant	Φ1200mm×190㎥/min×14mH, 635kW×18P 1ea	10/23
24	Dongjak-gu, Seoul Special City	Saemal Rainwater Pumping Station	Φ1200×180㎥/min×10.5mH, 450kW×14P 3ea	11/21
25	Gangseo-gu, Seoul Special City	Yeomchang 1 Rainwater Pumping Station	Φ1100×160㎥/min×7mH, 260kW×18P 2ea	06/21
26	Gangseo-gu, Seoul Special City	Yeomchang 1 Rainwater Pumping Station	Φ1100×160㎥/min×7mH, 260kW×18P 1ea	12/20
27	Korea Rural Community Corporation, Geum River Project Team	Geumgang (2) Regional Large-Scale Agricultural Development Project	Φ1100×148.8㎥/min×22mH, 750kW×16P 3ea	09/22

Experience Record

Experience Record

Vertical Mixed Flow Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
28	Geum River Project Team	Geumgang (2) Regional Large-Scale Agricultural Development Project	Φ1100×148.8㎥/min×22mH, 750kW×16P 3ea	12/21
29	Korea Rural Community Corporation, Geumgang Project Division	Geumgang (2) District Large-Scale Agricultural Development Project	Φ1100mm×148.8㎥/min×22mH, 750kW×16P 2ea	11/23
30	Korea Rural Community Corporation, Buyeo Branch	Bongjeong District Irrigation Facility Rehabilitation Project	Φ1000mm×130㎥/min×10.5mH, 300kW×16P 3ea	12/15
31	Seongdong District, Seoul Special City	Geumho Rainwater Pumping Station	Φ1000mm×130㎥/min×10.5mH, 300kW×16P 3ea	12/15
32	Gwangju Environmental Corporation	Gwangju Wastewater Treatment Plant Phase 2	Φ1000×124㎥/min×11mH, 300kW×14P 2ea	07/22
33	Gwangju Environmental Management Corporation	Gwangju First Sewage Treatment Plant Phase 2 Influent Pump	Φ1000mm×124㎥/min×11mH, 300kW×14P 2ea	06/22
34	Jeonbuk Special Self-Governing Province, Jeonju City	Sewage Treatment Plant Phase 2	Φ1000×114㎥/min×10.5mH, 300kW×12P 1ea, Φ700×56㎥/min×10.5mH, 150kW×8P 1ea	10/14
35	Ansan City, Gyeonggi Province	Public Sewage Treatment Plant 1	Φ900mm×113㎥/min×14mH, 400kW×12P 1ea	06/14
36	Ansan City, Gyeonggi Province	Public Sewage Treatment Plant 1	Φ900mm×113㎥/min×14mH, 400kW×12P 2ea	08/13
37	Nanji Water Reclamation Center	Influent Pumping Station	Φ900mm×110㎥/min×10mH, 260kW×12P 1ea	12/19
38	Jungnang Water Reclamation Center	Third Influent Building	Φ900mm×100㎥/min×11mH, 250kW×12P 6ea	04/21
39	Namyangju City, Gyeonggi Province	Deokso Drainage Pumping Station	Φ800mm×98㎥/min×9mH, 225kW×14P 3ea	11/19
40	Hongcheon County Waterworks Office, Gangwon Province	Hongcheon-eup Drainage Pumping Station	Φ800mm×90㎥/min×7.5mH, 150kW×14P 2ea	05/23
41	K-water Cheongju Branch	Cheongju (Jeong) Regulating Pond Pump Motor	Φ800×84㎥/min×11mH, 220kW×10P 3ea, Φ600×42㎥/min×11mH, 120kW×8P 1ea	08/12
42	Gwangju Environmental Management Corporation	Gwangju Second Sewage Treatment Plant Influent Pump Unit D	Φ600mm×42㎥/min×16mH, 185kW×8P 1ea	06/21
43	Gwangju Environmental Management Corporation	Gwangju First Sewage Treatment Plant Phase 2 Influent Pump	Φ600mm×42㎥/min×16mH, 185kW×8P 1ea	08/22
44	Korea Rural Community Corporation, Andong Branch	Andong North Rural Multi-Purpose Water Development Project	1단 Φ600×33.858㎥/min×106.91mH, 920kW×P 4ea, 2단Φ600×35.818㎥/min×99.44mH, 920kW×P 4ea	08/15
45	Changwon City, Gyeongsangnam-do	Daesan Water Treatment Plant	Φ600mm×32㎥/min×13mH, 120kW×8P 1ea	07/24
46	K-water Metropolitan Area Headquarters	12-Year Metropolitan Area Pumping Equipment	Φ500×26㎥/min×24mH, 150kW×8P 2ea, Φ400×19.3㎥/min×19.3mH, 110kW×10P 1ea	11/12
47	Korea Rural Community Corporation, Saemangeum Project Division	Saemangeum Agricultural and Bio-Land 1-2 Work Section Land Reclamation Pumping Station	Φ350mm×15.4㎥/min×24mH, 90kW×6P 3ea	06/20
48	Songpa-gu, Seoul Special City	Sungnaecheon Maintenance Water Project	Φ300mm×13.9㎥/min×96mH, 320kW×4P 1ea	08/24

Experience Record

Experience Record

Double Suction Volute Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
1	Seoul Yeongdeungpo Arisu Water Purification Center	Pungnap Water Intake Facility	Φ900×Φ800×110㎥/min×32m×800kW×12P 2ea	10/16
2	Seoul Metropolitan Waterworks Headquarters	Jayeong Water Intake Facility	Φ900×Φ800×100㎥/min×20m×430kW×12P 2ea	11/15
3	Seoul Metropolitan City Gangbuk Water Purification Center	Gangbuk Series Water Intake Pump	Φ900×Φ800×122㎥/min×26m×720kW×12P 1ea	09/15
4	Seoul Metropolitan City Waterworks and Sewerage Service	Amsa Water Purification Plant	Φ900×145㎥/min×42m×1400kW×14P 2ea	08/13
5	Korea Rural Community Corporation Yeongsan River Division	Yeongsan River IV District Hyun Gyeong Water Intake Facility	Φ800×Φ600×93.68㎥/min×28m, 560kW×12P 6ea	10/20
6	Seoul Yeongdeungpo ARI Water Treatment Plant	Pungnap Water Intake Facility	Φ800×Φ600×83.34㎥/min×32m×600kW×12P 1ea	01/14
7	Seongnam City Clear Water Management Office	High-lift Water Treatment Facility and Water Purification Plant	Φ700×Φ600×65.5㎥/min×20mH, 290kW×10P 4ea Φ500×Φ400×28㎥/min×10mH, 75kW×10P 3ea Φ600×32.7㎥/min×18mH, 140kW×8P 2ea Φ350×Φ300×11㎥/min×7mH, 22kW×8P 3ea	11/22
8	Seongnam City, Gyeonggi-do	Han River Intake Facility	Φ700×Φ600×62.5㎥/min×60mH, 825kW×8P 2ea Φ500×Φ400×31.25㎥/min×60mH, 410kW×6P 1ea	12/21
9	Seoul Yeongdeungpo Arisu Water Purification Center	Pungnap Water Intake Facility	Φ700×Φ500×61㎥/min×37m×525kW×12P 1ea	11/12
10	Korea Water Resources Corporation	Dukso Water Treatment Plant	Φ600×Φ500×38.6㎥/min×10.0m×90kW×10P 3ea	08/14
11	Pyeongtaek City Waterworks Division, Gyeonggi-do	Sekyo Booster Pumping Station	Φ500×Φ400×14.2㎥/min×55m×200kW 4ea Φ400×Φ300×8.4㎥/min×38m× 90kW 2ea	08/19
12	Seongnam City, Gyeonggi-do	Han River Water Intake Facility	Φ500×Φ400×31.25㎥/min×55mH, 410kW×6P 1ea	09/23
13	Pyeongtaek City Waterworks Division, Gyeonggi-do	Jisan Booster Pumping Station	Φ450×Φ350×10.5㎥/min×37m×110kW 3ea	08/19
14	Yongin City Waterworks Division, Gyeonggi-do	Expansion Project of Yongin Water Treatment Plant - Raw Water Pump	Φ450×35㎥/min×80mH, 760kW 3ea	12/22
15	Clean Water Management Office, Seongnam-si, Gyeonggi-do	Pumping Unit No. 7	Φ400×Φ350×25㎥/min×77mH, 450kW×4P 1ea	11/23
16	Korea Rural Community Corporation Suncheon Branch	Su-yang District	Φ350×Φ300×15㎥/min×83m×300kW 2ea	09/15
17	Gimpo City Waterworks Division, Gyeonggi-do	Gocheon Water Treatment Plant	Φ350×16.5㎥/min×108mH, 450kW×4P 5ea	03/20
18	Sanitary Sewer Department, Construction and City Safety Division, Gyeongsan City	Expansion and Upgrading Project of Gyeongsan Water Treatment Plant	Φ300×Φ250×12.2㎥/min×9mH, 37kW×6P 4ea	12/22

Experience Record

Experience Record

Double Suction Volute Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
19	Korea Rural Community Corporation, Gyeongju Branch	Jangan District	Φ300×Φ250×11㎥/min×46.6mH, 132kW×6P 1ea	09/21
20	Waterworks and Sewerage Division of Gimpo City, Gyeonggi-do	Gocheon Water Treatment Plant	Φ300×Φ250×11.2㎥/min×82m×250kW×4P 4ea Φ300×Φ250×14.1㎥/min×47m×185kW×4P 3ea Φ300×Φ250×14.5㎥/min×10m×45kW×6P 3ea Φ300×Φ250×12.2㎥/min×10m×37kW×6P 3ea	03/20
21	Korea Rural Community Corporation Jeonju-Wanju-Imsil Branch Office	Soheung District	Φ300×Φ250×9.3 ㎥/min×60m×150kW 2ea	10/16
22	Korea Rural Community Corporation Yeoncheon-Pocheon Branch Office	Pocheonsi Agricultural Irrigation Reservoir	Φ300×Φ250×12.76㎥/min×45m×500kW×4P 2ea 외	08/14
23	Gwangju Metropolitan City Waterworks Headquarters	Emergency Water Transmission Pipeline (Temporary Pressurization Facility)	Φ300×Φ250×17.5㎥/min×70mH, 290kW×4P 2ea	04/23
24	Korea Environment Coporation	Purchase of Gwangju Stream Water Intake Pump for River Drying	Φ250mm×Φ200mm×10㎥/min×90mH, 250kW×4P 4ea	05/24
25	Goechang-gun Waterworks Office, Gyeongsangnam-do	Goechang Water Treatment Plant	Φ200mm×Φ150mm×2.8㎥/min×18mH, 19kW×6P 2ea	06/23

Experience Record

Experience Record

Gate Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
1	Jeongseon County	Bokpyeong 2 District	1G1P Φ1350 x 200㎥/min x 4.3m x 220kW, W3,150 × H3,200, 30 ton, 2ea	11/11
2	Jeonju City, Jeollabuk-do	Field Disaster Risk Zone 2nd Phase	1G1P Φ1200×220㎥/min, B3.0×H2.7, 20 ton 2ea	05/18
3	Geoje City, Gyeongsangnam-do	Seojeong Natural Disaster Risk Zone	1G1P Φ1200×220㎥/min×2.8m×150kW, W3.0m×H2.3m, 20 ton, 6ea	05/14
4	Jeonju City, Jeollabuk-do	Songcheon 1 District Superior Detention Facility	1G2P Φ1200×187.5㎥/min 180kW 5.0m(B)×4.0m(H) 2ea	06/19
5	Jeonju City, Jeollabuk-do	Field Disaster Risk Zone 1st Phase	1G1P Φ1200×176㎥/min, B3.0×H2.5, 20 ton 3ea	05/18
6	Pyeongtaek City, Gyeonggi-do	Yucheon 2 Natural Disaster Risk Zone Improvement Project	1G1P W3.5m x H3.5m,Φ1000×145㎥/min×4mH, 150kW 4ea	12/22
7	Korea Environment Corporation Western Seoul Regional Headquarters	Bonghwa County	1G1P Φ1000×110kW×120㎥/min B2.5×H2.5 4ea 1G1P Φ900×90kW×90㎥/min B2.5×H2.0 2ea 1G2P Φ400×22kW×20㎥/min B2.0xH1.5 1ea	02/19
8	Korea Rural Community Corporation Jinju-Sancheong Branch Office	Hongjeong District Drainage Improvement Project	1G1P W2.5×H2.0 1ea, 900mm×110kW, 7.5kW x 4P 1ea, 15ton 1G1P W1.0×H1.0 1ea, 350mm×22kW, 1.5kW x 4P 1ea, 4ton 1G1P W1.2×H1.3 1ea, 500mm×37kW, 3.7kW x 4P 1ea, 6ton	12/22
9	Jeonju City, Jeollabuk-do	Eoeun Hazardous Area Phase 1	1G1P 900A×100㎥/min 2ea, B2.5m×H2.0m, Hoist (Pin Jack Type) 20ton x 3.75kW 3ea Flap Valve Φ700(SS400) 3ea	05/18
10	Jeonju City, Jeollabuk-do	Eoeun Disaster-prone Area Phase 2	1G1P 700A×65㎥/min, B2.0m×H2.0m, 2ea 1G1P 900A×100㎥/min, B2.5m×H2.0m, 2ea 1G1P 400A×20㎥/min, B1.5m×H1.5m, 2ea Hoist (Pin Jack Type) 20ton x 3.75kW 3ea Flap Valve Φ700(SS400) 3ea	05/18
11	Andong City, Gyeongsangbuk-do	Imha Odae District Small-Scale Drainage Improvement Project	1G1P Ø900 × 100㎥/min×2.8mH, 75kW×16P, W2.5m×H2.5m 2 Set	09/23
12	Anseong City, Gyeonggi Province	Jooksan District Total Recovery Project (3Construction Site)	1G1P Ø900 × 100㎥/min×5mH, 160kW×12P, W2.4m×H2.0m 3Set 1G1P Ø700 × 65㎥/min×5mH, 110kW×10P, W2.4m×H2.4m 3Set 1G1P Ø700 × 60㎥/min×5mH, 100kW×10P, W2.4m×H2.0m 3Set	12/24
13	Jeonju City, Jeollabuk-do	Yajeon Hazardous Area Phase 1	1G2P Φ900×99㎥/min, B2.5×H2.0, 20 ton 1ea	02/15
14	Cheongju City, Chungcheongnam-do	Sugok District Superior Retention Facility Installation	1G1P Φ800×4.5mH×90㎥/min×110kW, B1.6m x H2.0m	03/21
15	Korea Rural Community Corporation Boseong Branch Office	Goeup District	1G1P Φ800mm×90㎥/min×2.4mH×55kW, W2.5m×H2.0m 2ea	06/17
16	Jeonju City, Jeollabuk-do	Construction of Reclaimed Water Pumping Station	1G1P Φ800×75 ㎥/min×5.5m×100kW, 2.1m×3.6m , 15 ton	10/10
17	Wanju-gun, Jeollabuk-do	Gosan Hasam Natural Disaster Risk Improvement District	1G2P Ø800 × 75㎥/min×4.1mH, 90kW×12P, W3.5m×H3.01m 2 Set	08/23

Experience Record

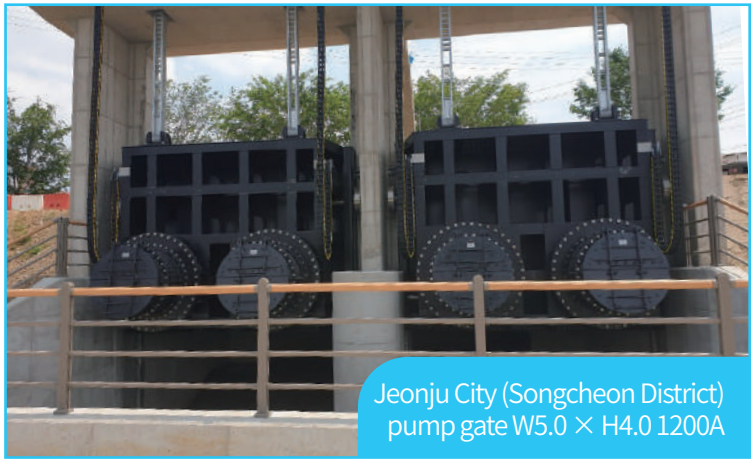
Experience Record

Gate Pump

No.	CLIENT	PROJECT LOCATION	SPECIFICATION	MM/YR
18	Korea Rural Community Corporation Haenam-Wando Branch Office	Gocheonam District Drainage Improvement Project	1G1P Φ800mm*55kW 2.0m(W) x 3.0m(H) x 2ea	06/20
19	Jeonju City, Jeollabuk-do	JeonjuCho District	1G2P Φ700×90kW×90㎥/min B3.0×H2.0 2ea	06/19
20	Gimhae City, Gyeongsangnam-do	Jeonsan Village Flood Prevention Project	1G2P Φ700mm×70㎥/min×3.3mH, W3.2m×H2.0m 1G1P Φ500mm×34㎥/min×3.5mH, W2.0m×H2.0m	05/18
21	Wanju County, Jeollabuk-do	Samnye Area	1G1P Φ700×70㎥/min×4.0m×75kW, W2.5m×H2.0m, 10ton, 2ea	09/16
22	Korea Environment Corporation Western Seoul Metropolitan Region Regional Headquarters	Cheonan Wonseong, Samnyong Drainage Outfall	1G2P Φ700mm x 60㎥/min x H2.1m x 37kW, W4.2m * H1.8m * 3.7kW * 1ea	06/22
23	Gochang County, Jeollabuk-do	Geumpyeong Hazardous Area	1G1P W4.0m x H3.0m x Ø700 3ea Ø700 x 60m3/min x 75kW x 3.5mH 3ea Hoist (Pin Jack Type) 20ton x 3.75kW 3ea Flap Valve Φ700(SS400) 3ea	06/22
24	Korea Rural Community Corporation Iksan Branch	Hwangdeung District Drainage Improvement Project	1G1P Ø700 × 60㎥/min×3.7mH, 55kW×12P, W2.0m×H2.0m 1 Set 1G1P Ø600 × 42㎥/min×3.0mH, 37kW×12P, W1.5×H1.5 2 Set	11/23
25	Korea Rural Community Corporation Yongjin Branch	Yongsin District Drainage Recovery Project	1G1P Ø600 × 48㎥/min×3.7mH, 55kW×12P, W2.0m×H2.0m 2Set	03/24
26	Sokcho City, Gangwon Special Self-Governing Province	Nohak 1 Natural Disaster Risk Improvement District Phase 2	1G2P Ø600 × 45㎥/min×3mH, 37kW×10P, W2.5m×H1.4m 1 Set	12/11
27	Korea Rural Community Corporation Buan Branch	Sinhwal District Drainage Improvement Project	1G1P Ø600 × 42㎥/min×4.5mH, 55kW×12P, W2.0m×H2.0m 1 Set	12/18
28	Jindo-gun, Jeollanam-do	Domok Reservoir	1G1P Ø500 × 30㎥/min×3.5mH, 30kW×4P W1.5m×H1.5m 1 Set	09/11

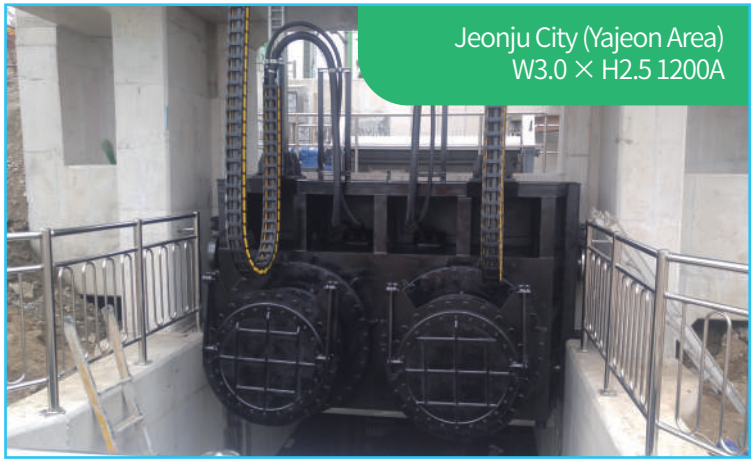
Experience Record

Pump gate

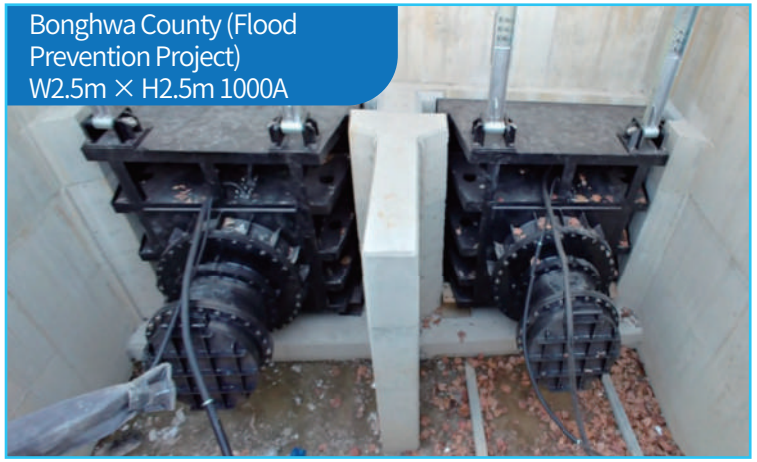


Jeonju City (Songcheon District)
pump gate W5.0 × H4.0 1200A

Jeonju City (Eoeun Disasterprone Area) Pump Gate 1200A



Jeonju City (Yajeon Area)
W3.0 × H2.5 1200A



Bonghwa County (Flood Prevention Project)
W2.5m × H2.5m 1000A

Experience Record

Submersible pump

Pal-yong Pumping Station in Changwon City 1500A

Iksan City (Yucheon Pumping Station) 1200A

Goyang City (Sinpyeong Disaster-prone Area) 2200A

Uiseong, Gunwi Branch Office (Seongam Area)1800A

Experience Record

Vertical Mixed Flow Pump,
Double Suction Pump

Seoul City (Jayeong Water Intake Facility) 900A × 800A

Gyeonggi-do, Seongnam City (Han River Water Intake Facility) 700A × 600A

Korea Rural Community Corporation (Baekgong District) 2000A

Seoul, Songpa-gu (Mongchon Rainwater Pumping Station) 1650A