

GID HANKYUL

CHALLENGE FOR THE BETTER TOMORROW

Specialized Company
for Water Industry



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GID HANKYUL

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Challenge for the better Tomorrow,

SPECIALIZED COMPANY FOR
WATER INDUSTRY **HANKYUL**



CEO MESSAGE

Challenge For The Better Tomorrow

Responsible company that has kept its principles for more than 40 years.

A manufacturer specializing in groundwater materials based on advanced technology

Although the total amount of water available for use due to economic development, population growth and climate changing is decreasing, the need for clean and healthy water is increasing.

Therefore, the value of groundwater utilization is growing and the usage is steadily increasing.

Korea recognizes groundwater as a valuable resource for creating future value as a water resource. In order to maximize its utilization value, Korea has established a Groundwater Basic Management Plan(2012). It is planning to create infrastructure and advance ground water management.

We will show you growth grow up not only in Korea but also globally through constant R&D and innovation from communication and harmony.

Technology up
Service up
Customer impression up

Young Thought! Young Company!

CEO



Kim Jun Yeong

HISTORY

Based on the responsible construction for customer satisfaction, HANKYUL secure technology capability through systematic R&D, and are opening the future of clean and convenient water resources.

CONSTRUCTION

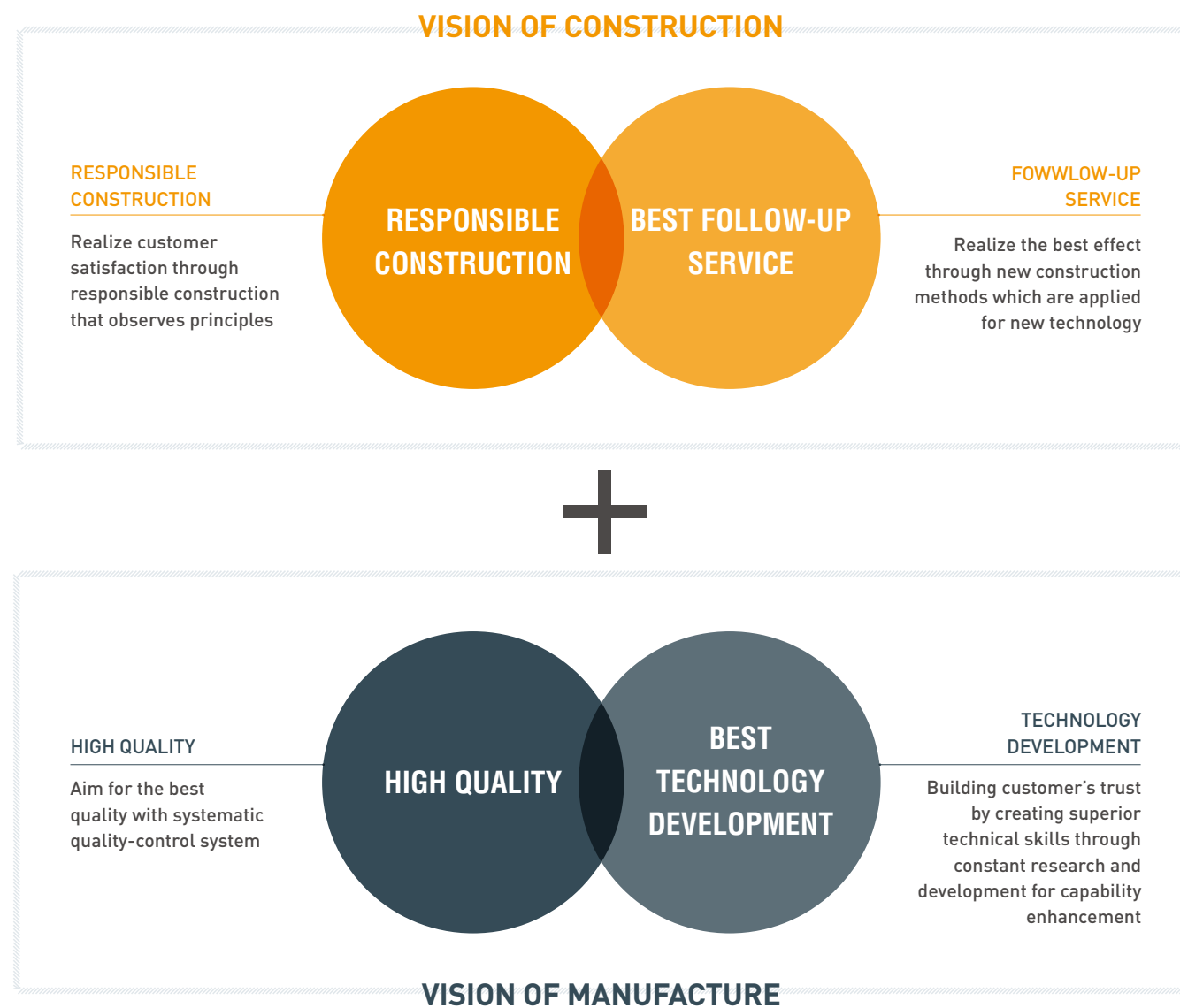
- 1975** · Established the Geological Features of Yeongnam
- 1989** · Changed the name to Gyeongbuk Groundwater Development
- 2013** Mar. · Established HANKYUL Industrial Development, Inc.
· Obtained main-biz certification
- 2014** Sept. · Established HANKYUL E&G, Inc.
- 2016** Nov. · Confirmed Female-owned Business
· Register R&D dedicated departments <Korea Industrial Technology Promotion Association>

MANUFACTURE

- 2012** Dec. · Established GID and site composition
- 2015** Nov. · Changed the name of HANKYUL Technics and built Auto welding system facility.
· Applied for Flange/Socket type patent and design registration
· Applied for Flange/Socket type lift riser "Line Lock" trademark right
- 2016** Feb. · Obtained quality certification(Q mark) in Korea for groundwater exclusive materials
<Groundwater lift riser> at the first
Mar. · Converted to corporation, HANKYUL Technics, Inc.
Apr. · Certificated information Management System(IMS-16-002, Korea Technology and Information Agency for SMEs)
· Register R&D dedicated departments <Korea Industrial Technology Promotion Association>
May. · Registered as a venture company(No. 20160400645, Small and Medium Business Corporation)
Jul. · Awarded the Minister of Environment award for construction Environment Technology
· Registered patent <Upper protection machine room system of tube well and small scale water supply system>
Aug. · Applied for patent <Development and applied for patent of automatic surging device for groundwater bedrock tube well>
· Acquired ISO 9001 certification
Oct. · Established enterprise attached R&D Institute
Certificated Inno-biz
- 2017** Mar. · Selected Start-up Company from Public Procurement Service
Jul. · Acquired certification(KC Certification) for suitability of the hygiene safety standard in the groundwater, the industry's first

VISION

Based on high quality and technology, HANKYUL is making a new future for water industry.
As a company that creates precious value for our customer's future,
we will make a better tomorrow than today.

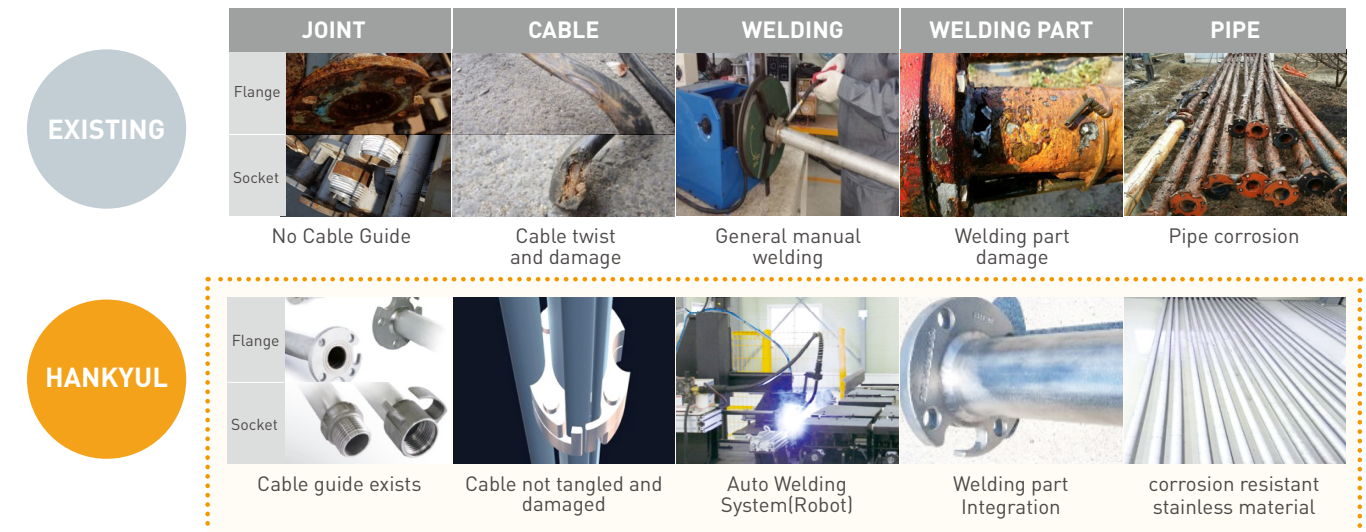


SPECIALIZED COMPANY FOR WATER INDUSTRY, NO 1
GID HANKYUL

DIFFERENTIATED PRODUCTS & SERVICES

PRODUCT FEATURES

- Minimization of escape phenomenon for certified underwater cable and water level measurement pipe with patented joint guide part design
- Prevention of cable and underwater motor damage by improving twist phenomenon of cable and alignment function of joints.
- Integration of welded parts and assurance of quality stability by developing Auto Welding System
- Corrosion prevention and life span improvement by using corrosion resistant stainless material
- Securement of suitability for hygiene safety standards by acquisition of KC certification in the groundwater industry's first and uniquely
- Certification of product performance and technology by acquiring performance certification from Small and Medium Business Administration



AUTOMATIC PRODUCTION PROCESS OF GROUNDWATER PUMPING PIPE (AUTO WELDING SYSTEM)



TOTAL CARE SYSTEM

Diagnostic Consulting	Proceeding to license	Installation & Construction	Follow-up service
Total cost perspective Economic analysis	Application for Groundwater Development Permit	Supply of materials for Groundwater facility	Precision cleaning and water quality inspection
Survey of groundwater effects	5 year extension license application	Installation and construction of pumping system for groundwater	Consumable material supply and After service support

GROUP INTRODUCTION

RESEARCH &
DEVELOPMENT



LOGISTICS



PRODUCTION



RENTAL SERVICES



GID HANKYUL

DEVELOPMENT



GEO THERMAL
ENERGY
DEVELOPMENT



BUSINESS AREA

HANKYUL realizes customer satisfaction by constructing the best groundwater facilities suitable for purpose of use(agriculture, industry, living, drinking water) through responsible construction

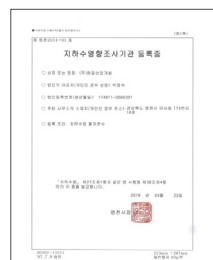
USING AND CONSTRUCTION PROCEDURE FOR GROUNDWATER



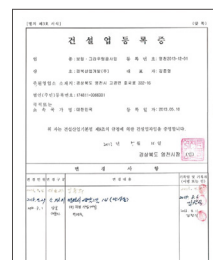
Construction industry of using groundwater	Groundwater development, equipment replacement, follow-up service, abandoned well, and hot spring development
Groundwater influence assessment institution	Groundwater influence assessment, extension of permitted period, pumping test
Construction industry of boring grouting	reinforcement constructions for ground and slope failure, water insulation and water stops
Mechanical facility and construction business	New regeneration geothermal heat energy construction, plant construction
Soil and geological engineering services	Ground and geological feature investigation, resistivity survey, in-hole shoot



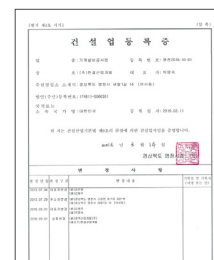
Construction industry of using groundwater



Groundwater influence assessment institution



Construction industry of boring grouting



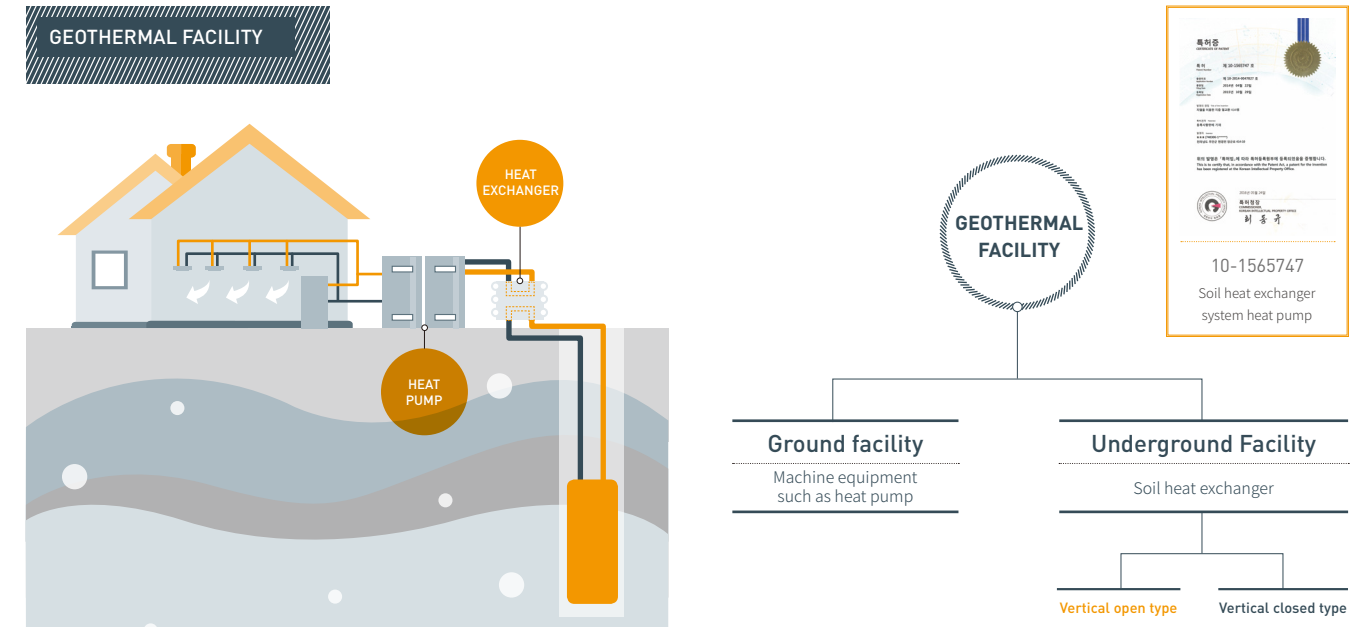
Mechanical facility and construction business



Soil and geological engineering services

BUSINESS AREA

Set up the best geothermal heat system of new regeneration energy field with environment-friendly, new technology



GEOTHERMAL HEAT SYSTEM

Geothermal system is divided into underground facilities and ground facilities. The soil heat exchanger, which is underground facilities, repeats the function of transferring energy from ground to heat pump and changes geothermal heat to air conditioning and heating energy. Classified as open type and close type depending on structure and characteristics of the soil heat exchanger. HANKYUL has an opened system technology that is advantageous in the downtown area where the amount of groundwater is abundant or the utilization area is narrow.

OPEN SYSTEM

1. Develop groundwater well of 300~500M deep
2. Install lift pumping facilities based on groundwater law
3. Use as a heat exchange medium through circulation of groundwater
4. Secure 30RT geothermal energy from one place (Can cool and heat about 992m³)



CLOSED SYSTEM

1. Vertical excavation of the stratum at a depth of 150 ~ 200M
2. Insert fluid circulation pipe and bury grouting
3. Use as a heat exchange medium through circulation of antifreeze
4. Secure 3RT geothermal energy from one place (Can cool and heat about 97m³)



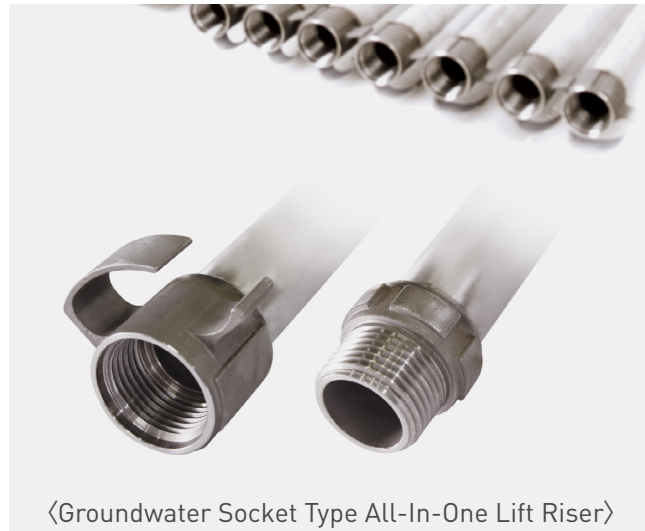
BUSINESS AREA-PRODUCT

Securing innovative technology is competitiveness of company right away

HANKYUL Technics will continue to grow into a global company based on its excellent technology through continuous challenge, investment and R&D reinforcement.

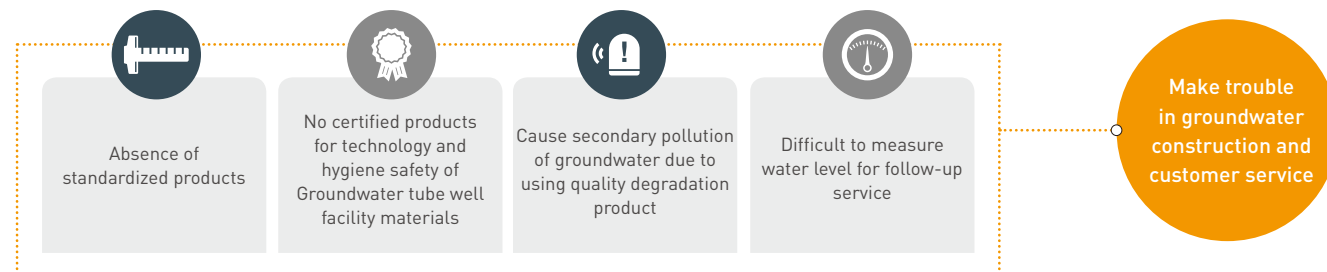


〈Groundwater Flange Type All-In-One Lift Riser〉



〈Groundwater Socket Type All-In-One Lift Riser〉

DEVELOPMENT BACKGROUND



Leakage and breakage due to poor welding



Reduce life due to degradation of welding quality



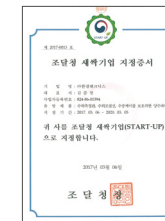
Break due to underwater cable twisting phenomenon

- No groundwater-only joints[Flange/Socket] fit for specification of groundwater development construction
--> Use products with no certified as standardized specification and quality
- No standardized joints --> Produce with unprofessional production method
- Use products with not considered for groundwater lift pumping equipment[water level measuring pipe, water level control line, under water cable] --> impossible water level measurement due to twisting phenomenon and occur sheath damage of underwater cable
- Due to the difference in technology level among welding operator, product quality is not uniform, problems occur such as leakage and shortened life span.

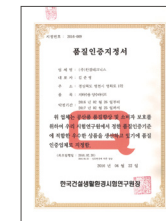
CERTIFICATIONS AND PATENTS

CERTIFICATIONS

7 Certifications



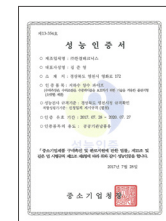
Start-Up company from Public Procurement Services of Korea



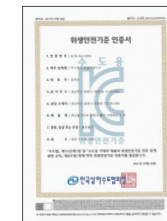
First Q-mark in Korea



ISO 9001



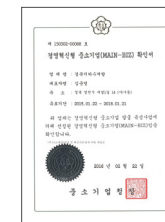
Performance Certification



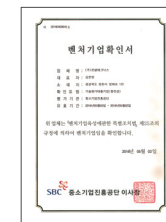
Korea Certification for Water Supply



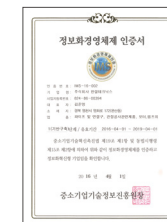
Innobiz



Mainbiz



Venture Company



IMS

APPLY PATENTS

Apply 7 Patents (6 Registered, 1 Apply)

Patents Registered Number

10-1626727

10-1625806

10-1651376

10-1702294

10-2015-0082481

10-1718503

10-1718506

Patents

Flange Assembly for Tube Well

Socket Assembly for Tube Well

Machine Room System for Protect Upper side of Tube Well & Small Scale Water Supply System

Underground Water Collecting Device that surging efficiency make higher

Connecting Socket for Development of Deep Tubular Well

Welding System of Socket for Tube Well & Pipe

Welding System of Flange for Tube Well & Pipe

APPLY DESIGN/TRADEMARK

Apply 5 Designs, 1 Trademark

Patents Registered Number

Trademark 40-1183328

30-0807484

30-0807485

30-0807486

30-0810744

30-0880482

Trademark / Design

Linelock

Ground Water Exclusive Flange for Connecting Pipe

Ground Water Exclusive Flange for Connecting Pipe

Ground Water Exclusive Socket for Pipe

Socket for Connecting

Flange for Ground Water Tube Well[Overhang Type]

PRIZE GIVING DETAILS



Korea Construction Environment Technology Prize

Environmental friendly Materials Field Minister of Environment Prize

CHALLENGE FOR THE BETTER TOMORROW

TECHNOLOGY

QUALITY

HAPPINESS

HANKYUL
will lead the future
of the water industry

The key to opening the future is endless challenge and innovation.
HANKYUL, established for supplying clean groundwater,
has tried continuously to reform as a world-class specialized company
for water industry based on excellent technology and superior quality
with 40 years of construction know-how.
We are also preparing for the future of water industry by creating innovative
technologies through continuous research and development.
The future of water is the future of the world.
In order to have a bright future in the water industry,
we will grow into a world-class specialized company
for water industry based on our long term accumulated technology and efforts.