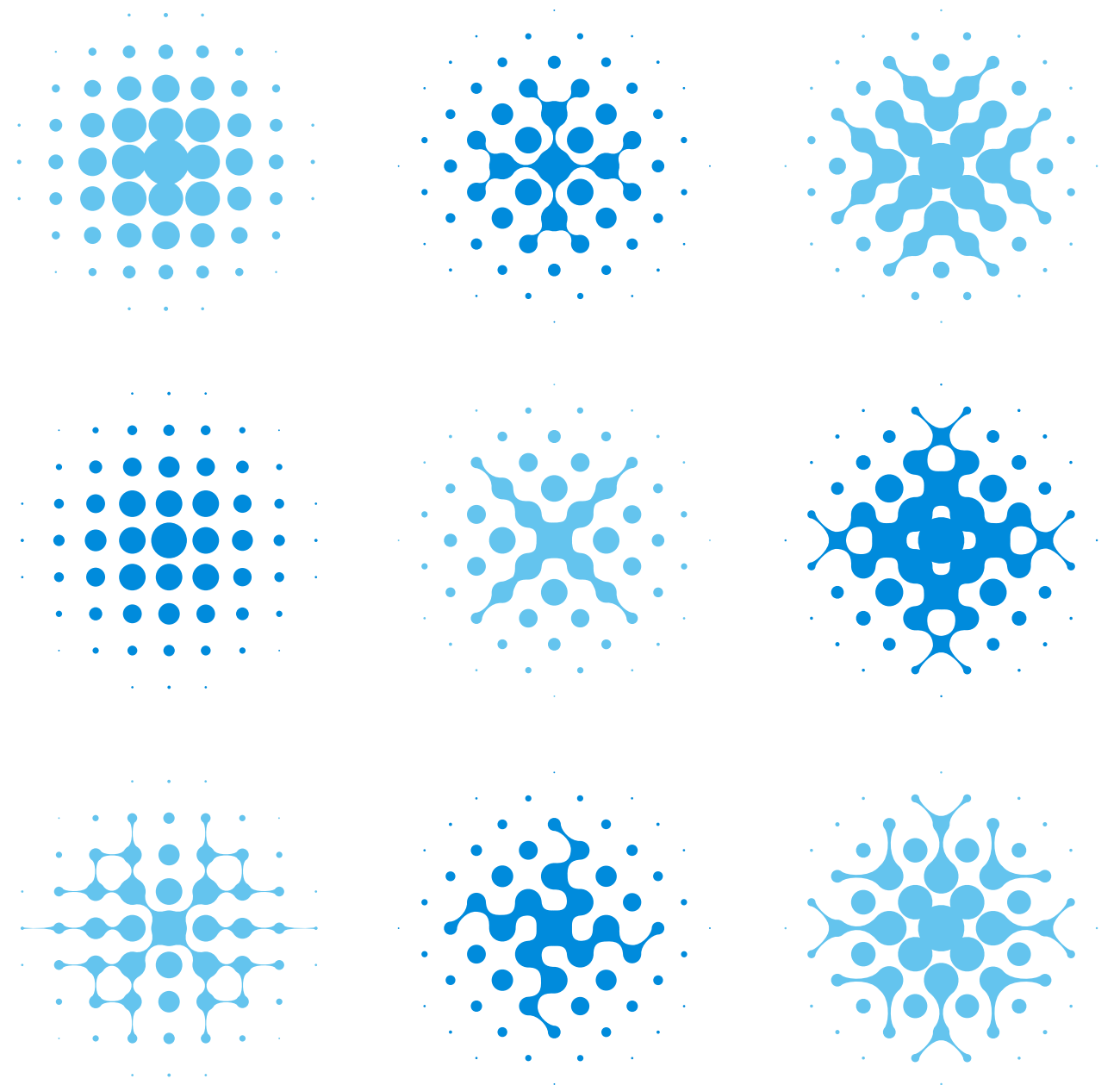




Join us at EnE as we create customer
value with the best technology!

ENE MAKES A DIFFERENCE

Providing access to safe Water, Sanitation and Energy





A company that shares life values
And protects the future environment

It's the future EPS EnE seeks.

| CONTENTS |

- 01 **EPS EnE Introduction**
Greeting / Corporate Vision / Corporate History / Roadmap
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- 03 **R&D and New Business**
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Welfare System / Proper Corporate Culture Activities



01

About Us

Greeting / Corporate Vision / Corporate History / Roadmap

EPS EnE
Develops energy technologies for the
water environment.

01

About Us

Greeting

| Right Management, Honest Technology |

Creating the [Creating the world's best energy technologies for the water environment](#) that flow beyond domestic levels.

Environment Engineering Maintenance
Total Engineering Service

Ever since our foundation, we have been constantly striving to become the one and only water environment and energy company that can clear and brighten the world. We always keep in mind that technological development with global competitiveness and always conducting appropriate management through the proper corporate culture are the duties of an environmental company that contributes to human society.

By supplying water and sewage environmental solutions (STEP Series Solution) and establishing an optimal operation management system, our company has accumulated substantial levels of performance and expertise. Based on this, we've developed world-class level water supply operational management technologies to allow us to play a key role in the modernization of the water supply and smart water city businesses. Together with our effective soft power in the water environment field, we've succeeded in developing and commercializing source technology in the hardware field which includes a radar flowmeter, integrated remote management controller (RTC), smart water treatment plant, etc. EPS EnE is the only enterprise that offers a one-stop service that comprehensively covers every step from the field study, planning-designing, system construction through to operational management.

Moreover, from conducting independent R&D projects and large-scale national assignments through our technology institute, we have secured diverse kinds of intellectual property rights which include a wide variety of patents and certificates. Also, we're a highly competent environmental company in Korea as have been government-designated an 'excellent green industry.'

EPS EnE will become the most exemplary green industry in Korea and provide the most shining environmental solutions in the world. In this way, we will be able to take the lead in solving the environmental issues of our generation of our own accord and leave only a pleasant life to the future generations. Of course, our consistent efforts would not be possible without the valuable support and encouragement of our customers which we truly appreciate.

EPS EnE CEO Park Byeonju

박변주

About Us

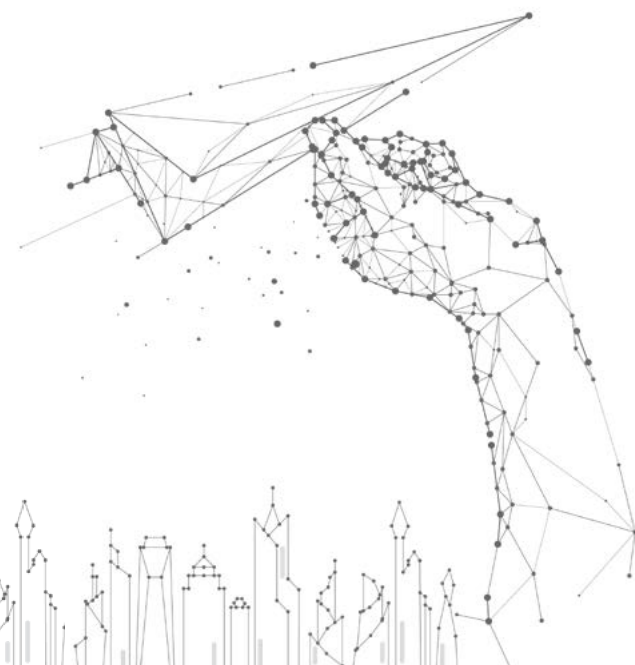
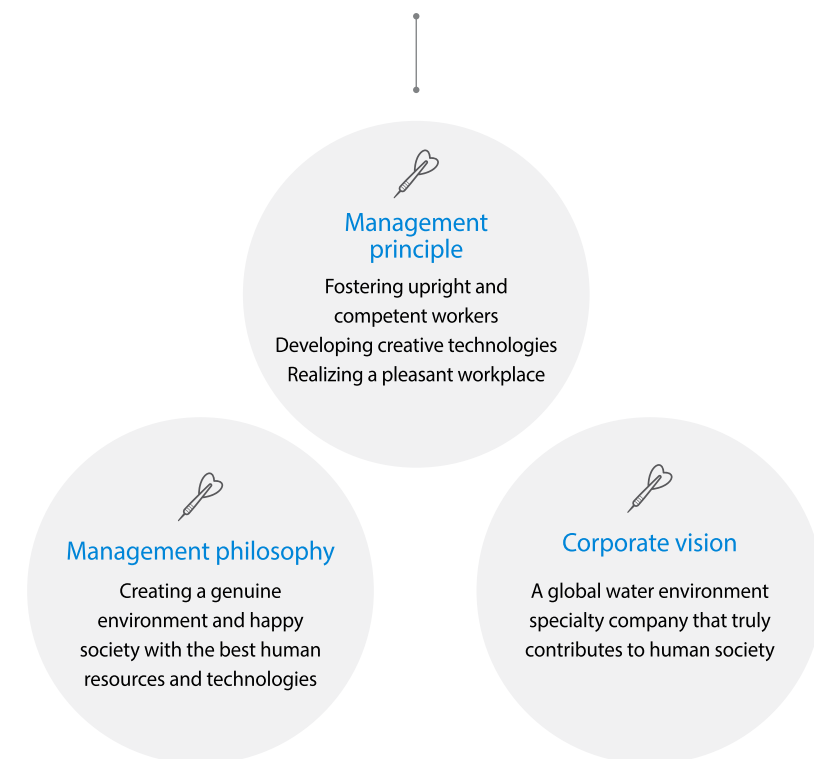
Corporate Vision

| Clean promises, a companion for achieving dreams. |



Together with our customers, stockholders, employees, and executives

Realizing the virtuous cycle of cheerful management



Best Partner In Environment Industries

By communicating with our customers wherever they are at all times, we will produce distinguished achievements from your requested projects.

01

About Us

Corporate History / Roadmap

The path we've been walking on together, and the world we will create together.

2012

- 10 Direct production certificate (software development)
- 09 Registered as a venture company
- 05 Registered the software business license
- 03 Founded EPS EnE Co., Ltd.

2014

- 12 Registered the environment specialty construction business (water quality)
- 10 Established the company research institute
- 07 Good Software certification- Urban Inundation Control System ver. 1.0
- 01 Registered the information and communication works business

2013

- 12 Registered the engineering business license (water supply and sewage)
- 10 Selected as an organization that manages the technical innovation development program organized by the Ministry of SMEs and Startups

2015

- 11 Registered the engineering business license (information management, applied electrical and electronics)
- 06 INNO-BIZ certification
Good Software certification – Water distribution network block integrated management system v2.0
- 04 Launched the advanced non-contact radar flow meter (STEP-Flo)
- 03 ISO9001/14001 (quality management/environmental management) certification
- 01 Factory registration (Panel board and automatic power control panel manufacturing, etc.)
Direct production certificate (Instrumentation control, building control, process control)

2016

- 10 Direct production certificate (flowmeter)
- 09 Performance assurance by the Ministry of SMEs and Startups (Block integration management system of the water distribution network v2.0)
- 06 Registered the public sewerage system management for third parties (sewage pipe)
- 04 Registered electrical construction business

2018

- 09 Certified as a promising environmental company in Gyeonggi-do
- 07 Registered as a public sewerage system management for third parties (public sewerage system)

2017

- 07 Certified as green technology (heavy water processing)
- 01 Acquired Hutech Creon Co., Ltd. (changed the corporate name to Hutech EnE Co., Ltd.)
Good Software certification – Block supervisory control system of the water distribution network v1.0 (STEP-WRTU)

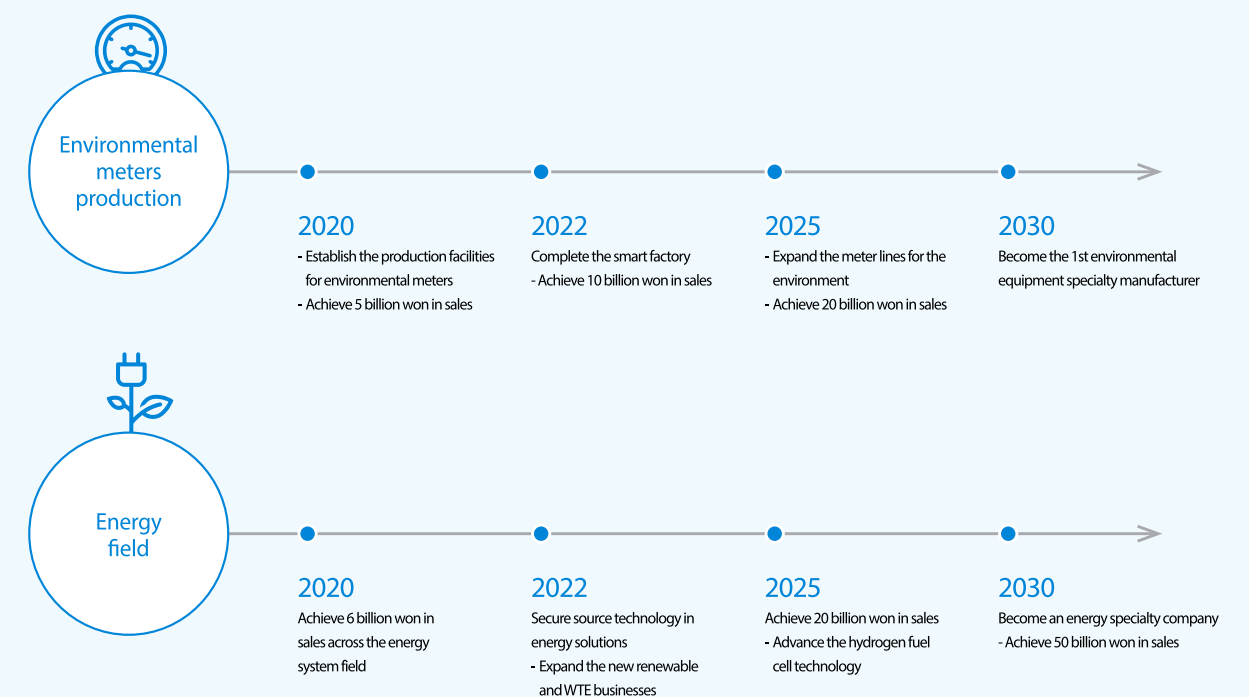
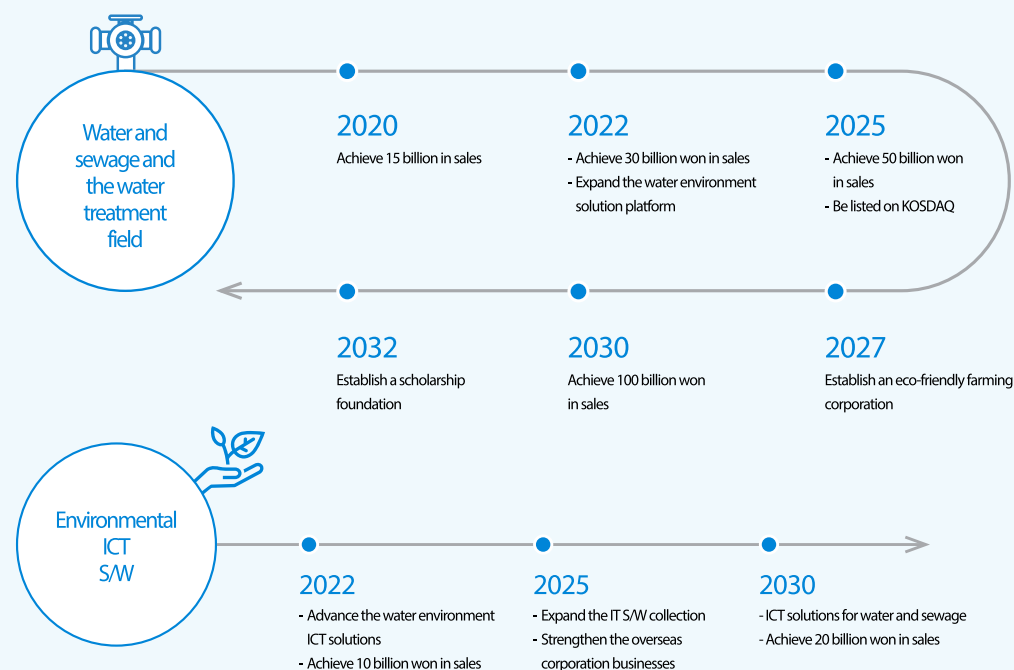
2019

- 09 Designated as an excellent environmental industry (Korean Ministry of Environment)
- 06 Selected as the excellent joint brand product (Process control panel, STEP Water)



We enter into developments with our customers through our consistent and transparent R&D projects.

| Roadmap Timeline |



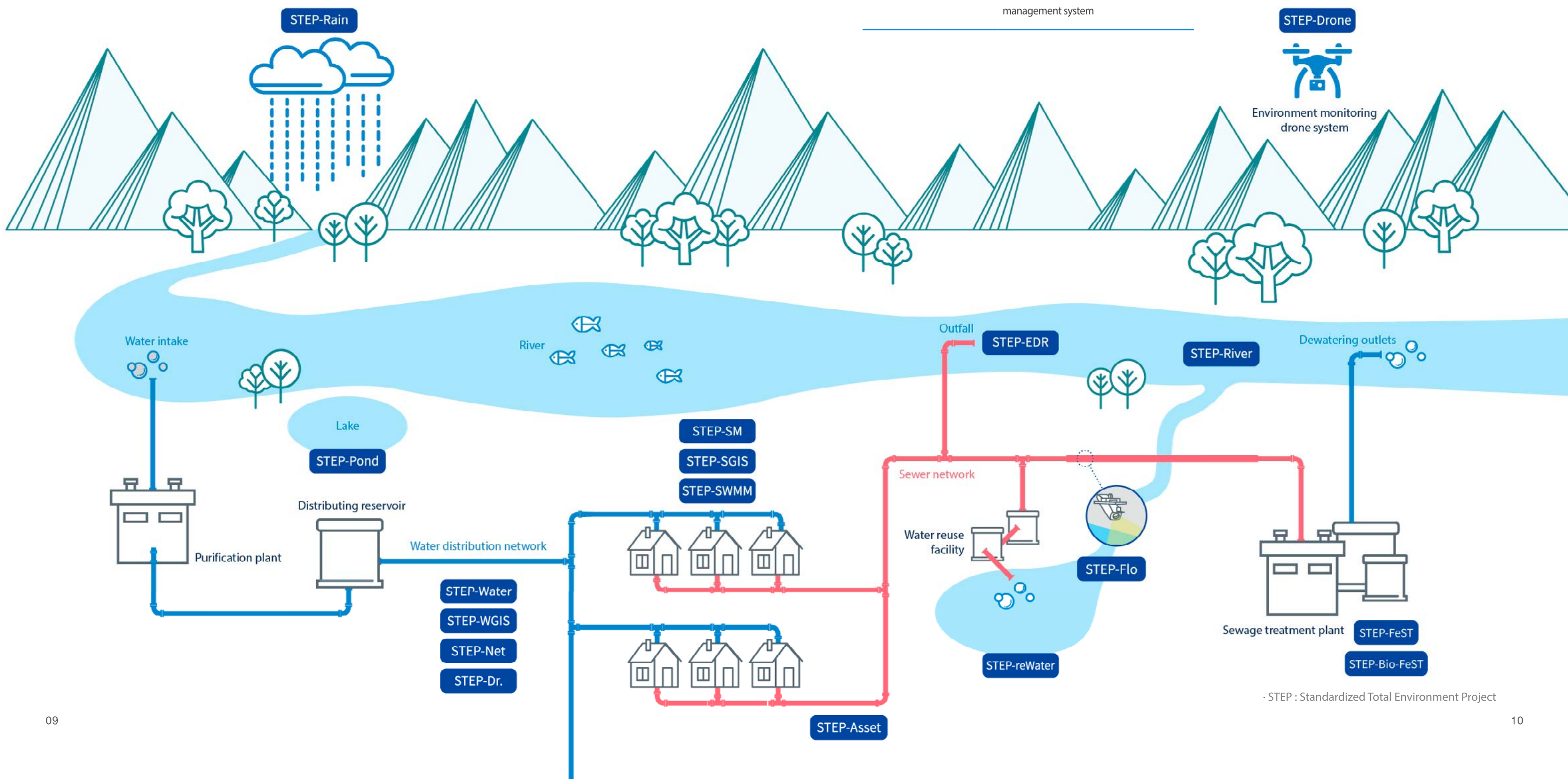
02

Fields of Business

Water Management Solution - STEP Series Products

"STEP products of EPS-EnE that leads the integrated water management of the basin"

Category	System title		Category	System title	
Sewer pipes	STEP-SM	Sewer monitoring system	Facility management	STEP-Asset	Water and sewage facility asset management system
	STEP-SWMM	Sewer distribution network analysis system			
	STEP-SGIS	Sewer GIS management system	Water treatment	STEP-FeST	Enhanced Coagulation process using magnetite
	STEP-OMAS	Sewer operation management system		STEP-Bio-FeST	Biological treatment process using magnetite
	STEP-Flo	Non-contact open channel radar flow measurement system		STEP-reWater	Water reuse system
Water distribution network	STEP-Water	Water distribution network block maintenance system	Environment monitoring	STEP-Drone	Environment monitoring drone system
	STEP-Net	Water distribution network analysis system			
	STEP-WGIS	Water distribution network GIS management system			



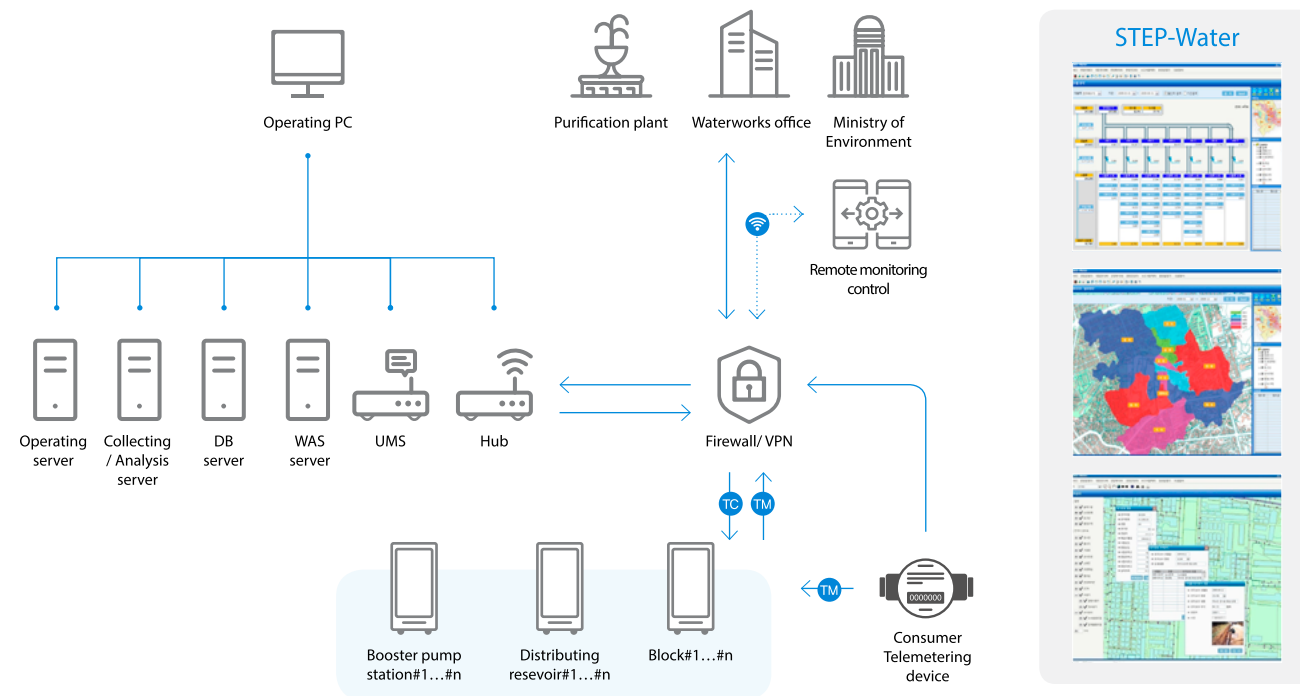
· STEP : Standardized Total Environment Project

Water Supply and Sewage ICT

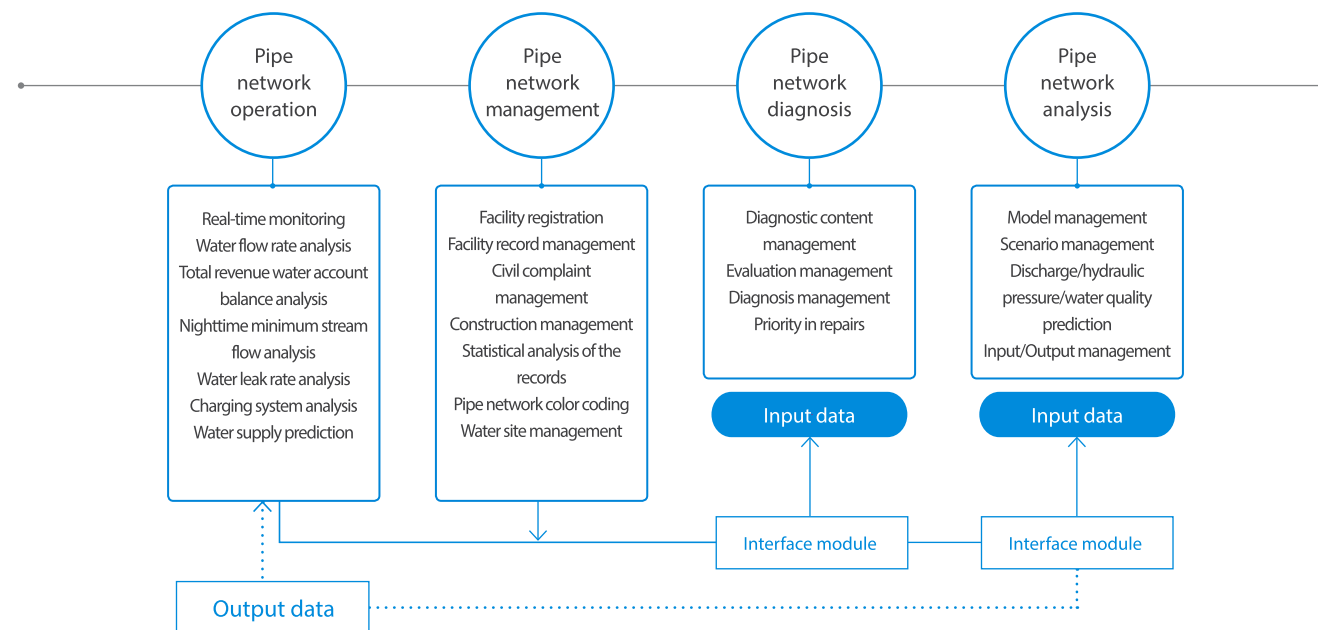
Water distribution network block maintenance system (STEP-Water)

System diagram

Method for analysis water leakage of water pipe network using remote metering data of water supply customer and system thereof (patent registration no.10-1556590) and four other patents



Major functions



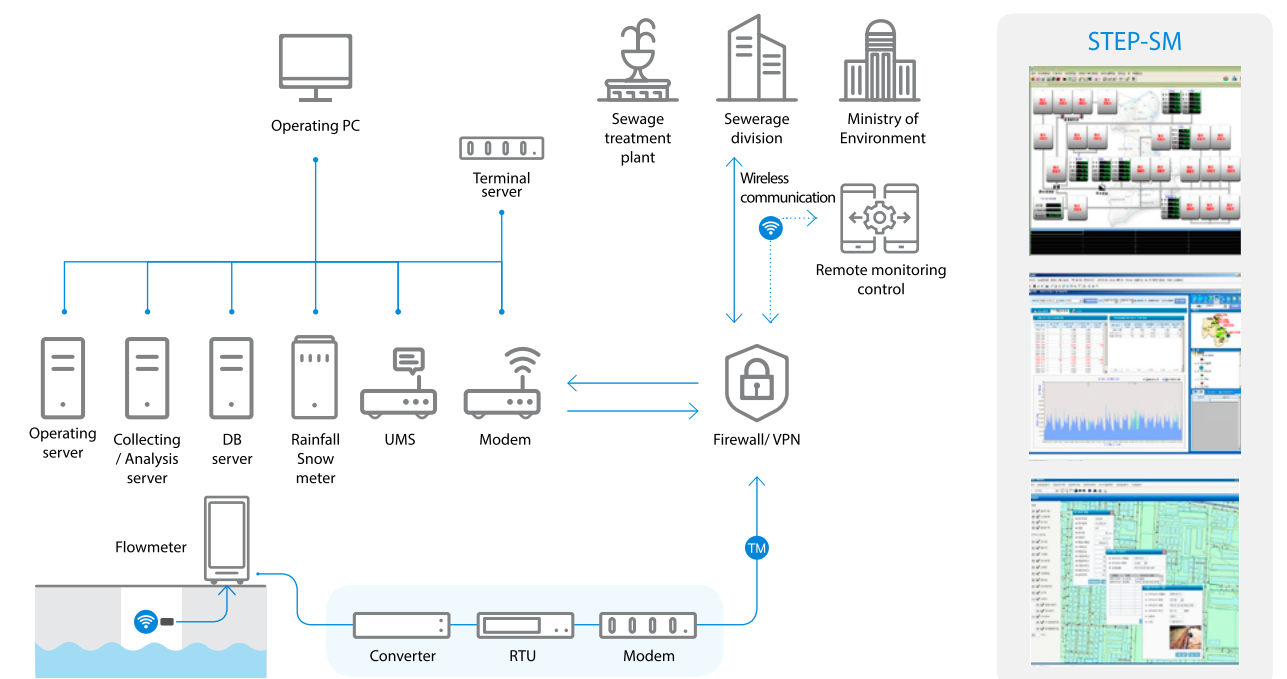
- Real-time monitoring of the pipe network flow, water pressure, water quality in different blocks and the water distribution network condition diagnosis and analysis
- Determining the priority in pipe network maintenance through the real-time analysis of the water flow rate, water leak rate, and others of large/medium/small blocks (reduction in the operating and maintenance cost)

Water Supply and Sewage ICT

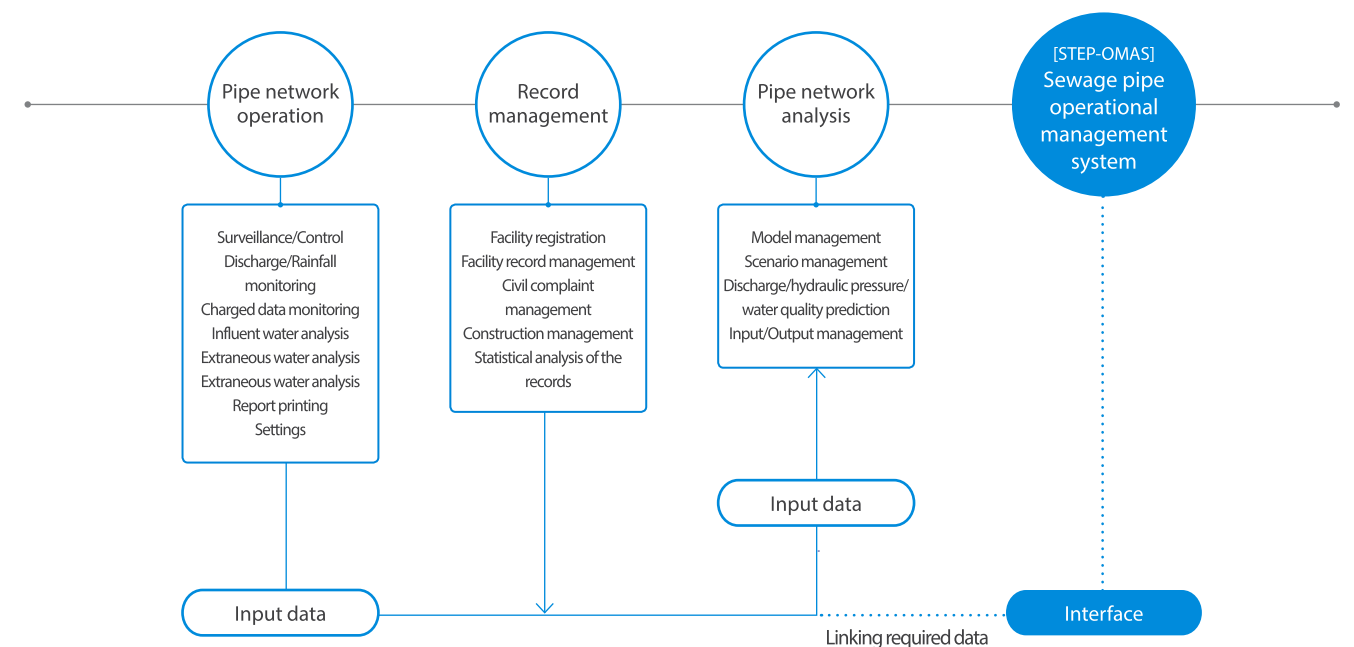
Sewage pipe maintenance monitoring system (STEP-SM)

System diagram

System for diagnosing sewer automatically and flux flow state diagnosis method thereof (patent no.10-087531)



Wireless communication

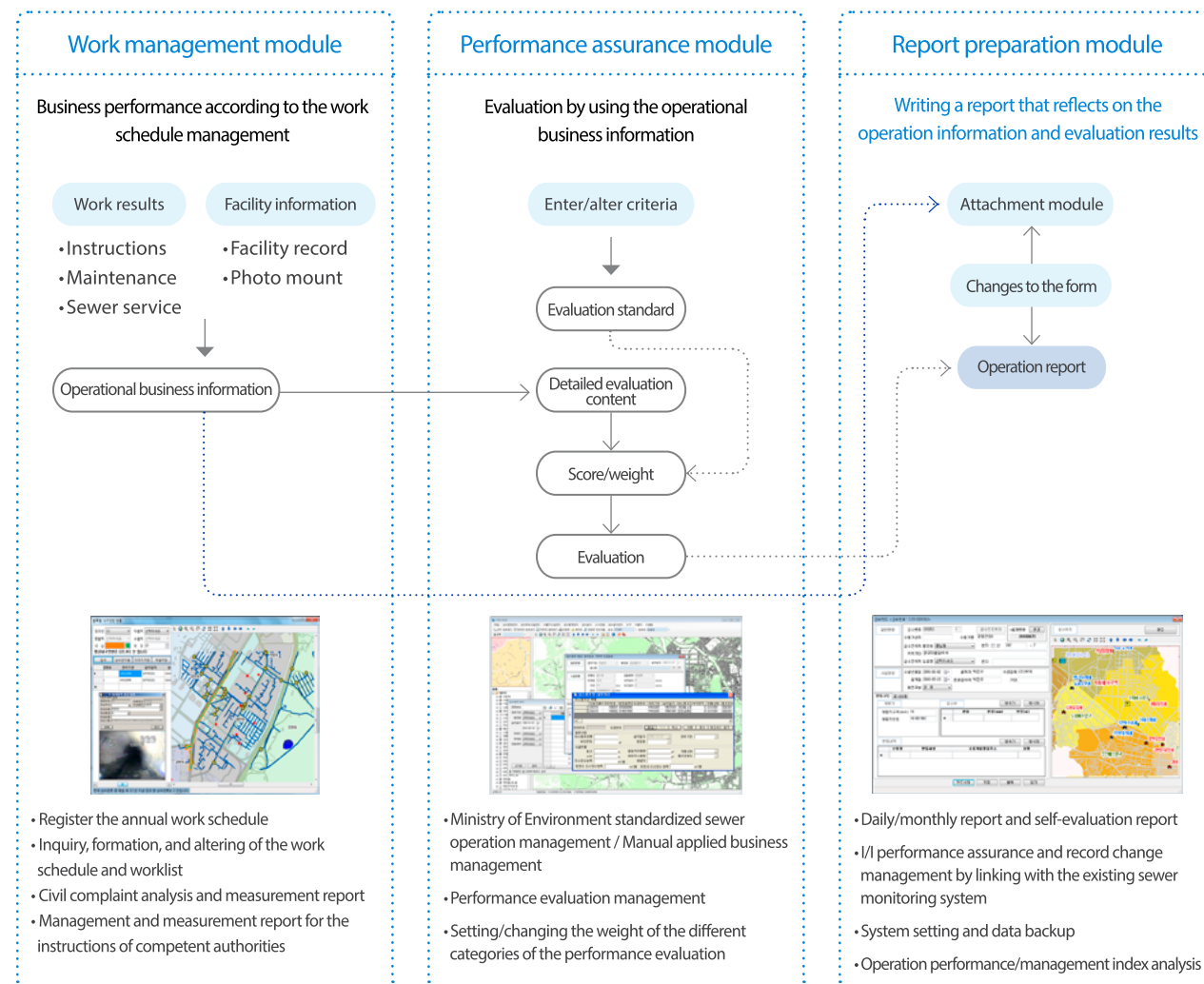
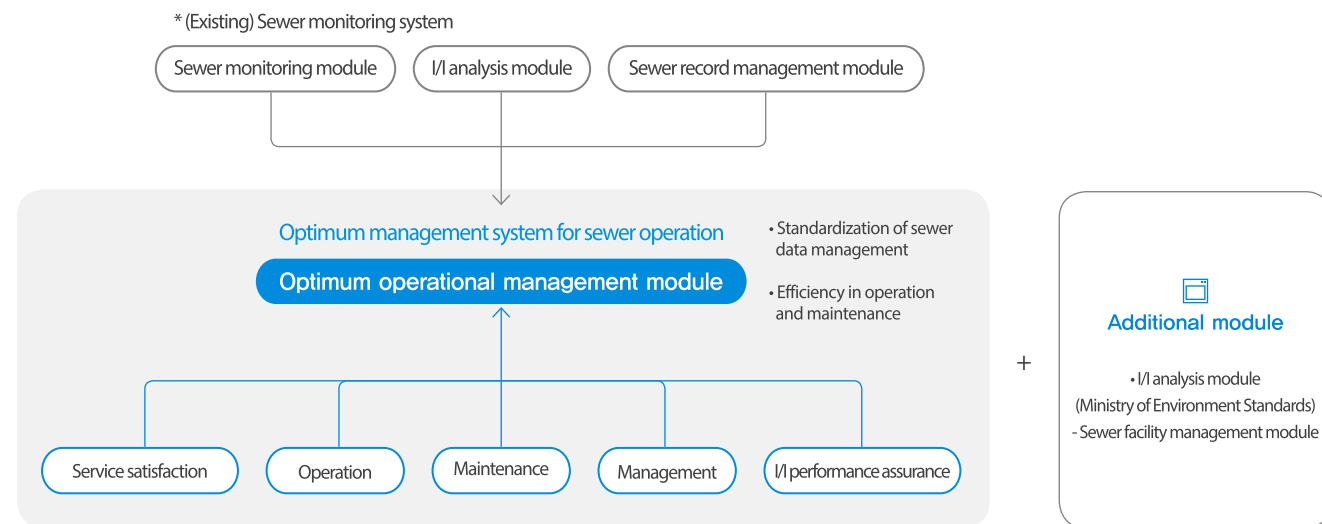


- Real-time monitoring of the pipe network operations, management (I/I analysis), and analysis
- Currently being operated in many local governments in Korea as its performance has previously been verified (standard product certified by the Ministry of Environment)

Water Supply and Sewage ICT

Optimum management system of the sewer operation management (STEP-OMAS)

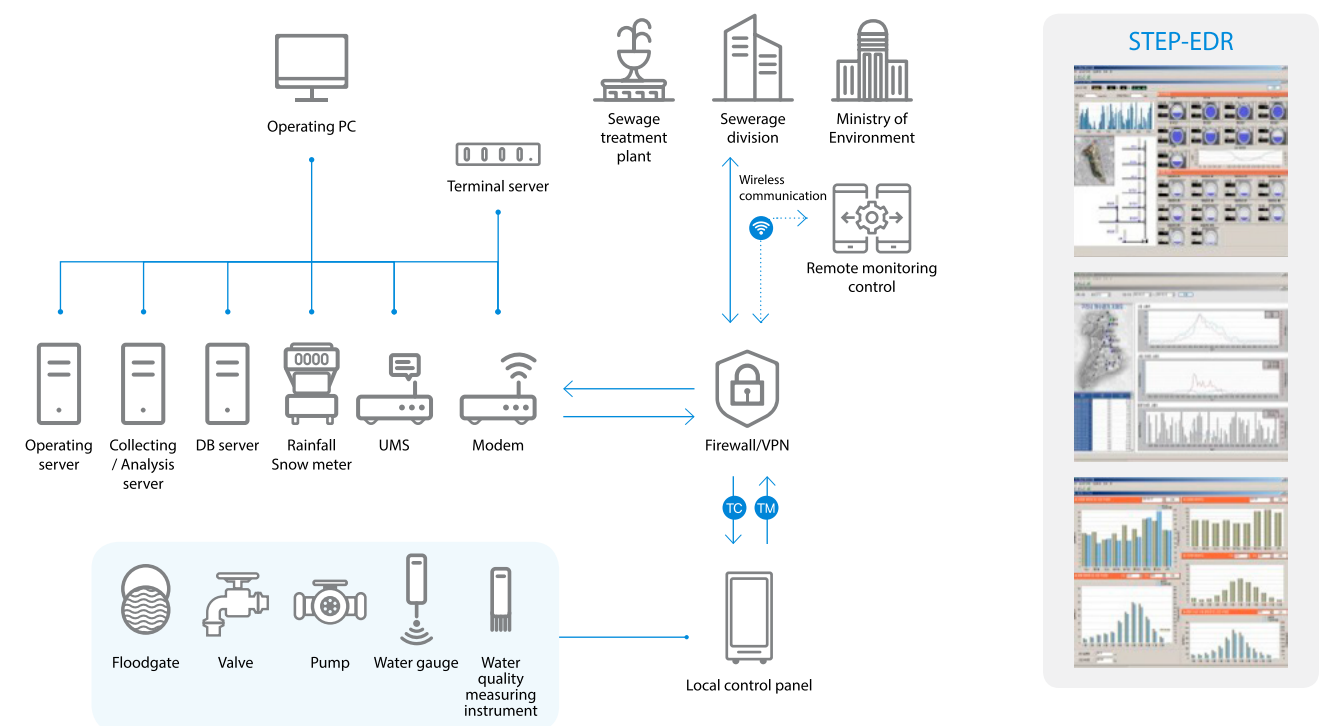
| System composition and function |



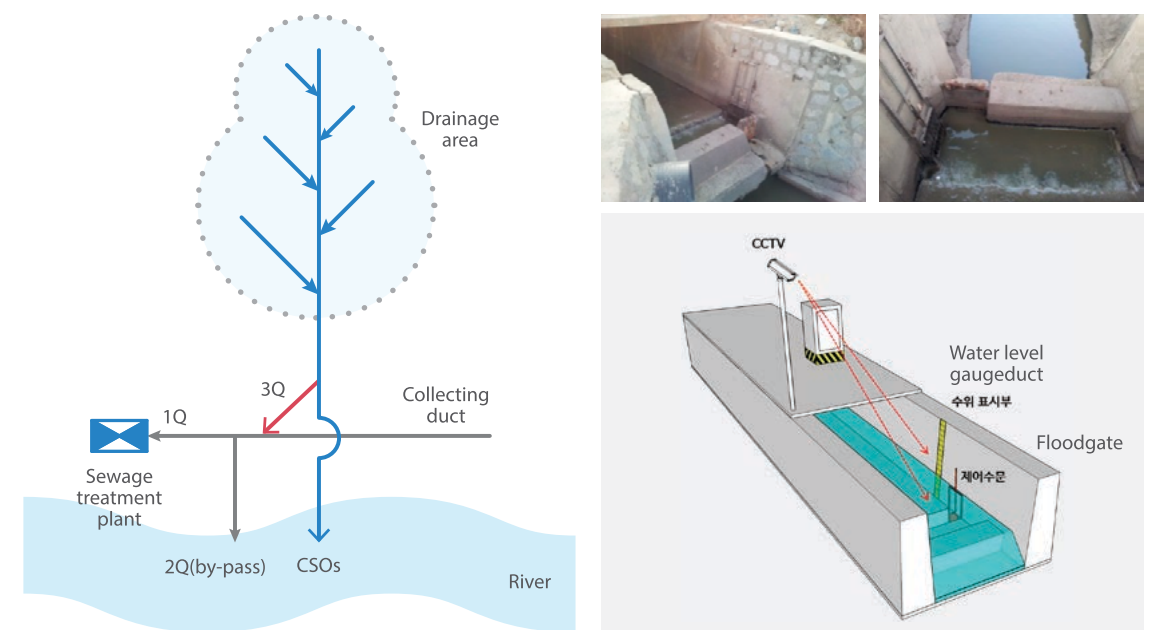
Water Supply and Sewage ICT

Automatic control system for the storm overflow chamber and reservoir (STEP-EDR)

| System diagram |



| Application |

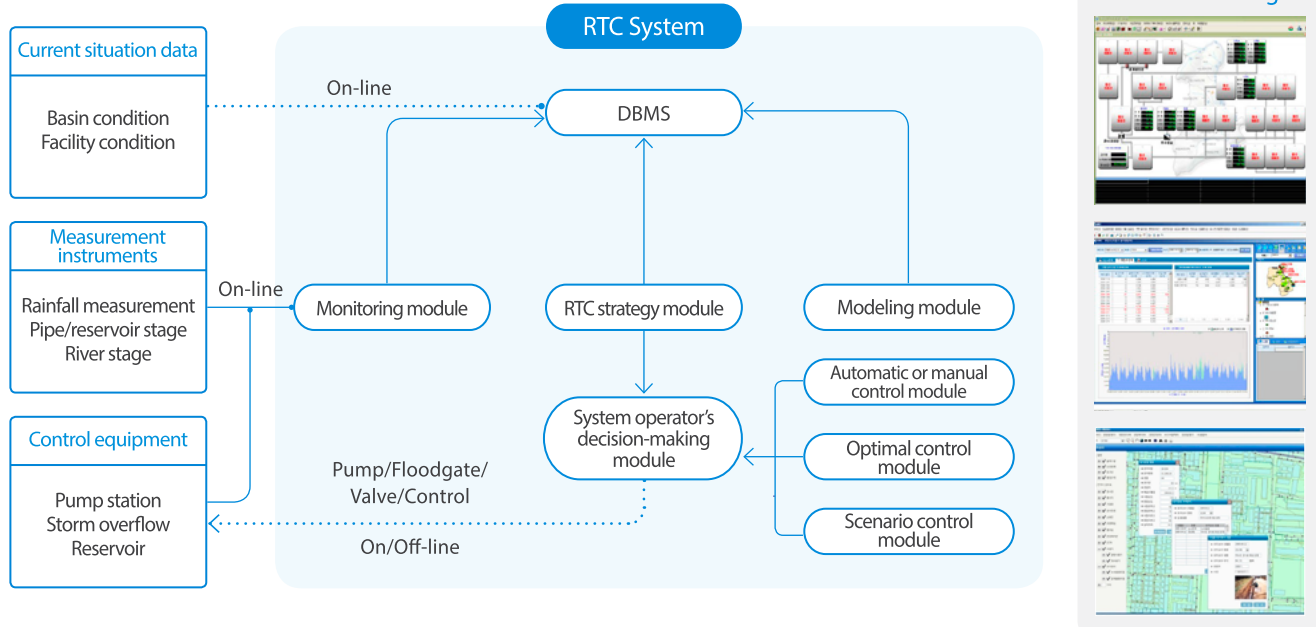


- The collection of water is possible for different concentrations by controlling the floodgate of the intake pipe through the real-time measurement of the water level and water quality (EC).
- Reduced pollution of the waterfront environment by controlling the pollution load factor of the CSOs overflowing into the river.

Water Supply and Sewage ICT

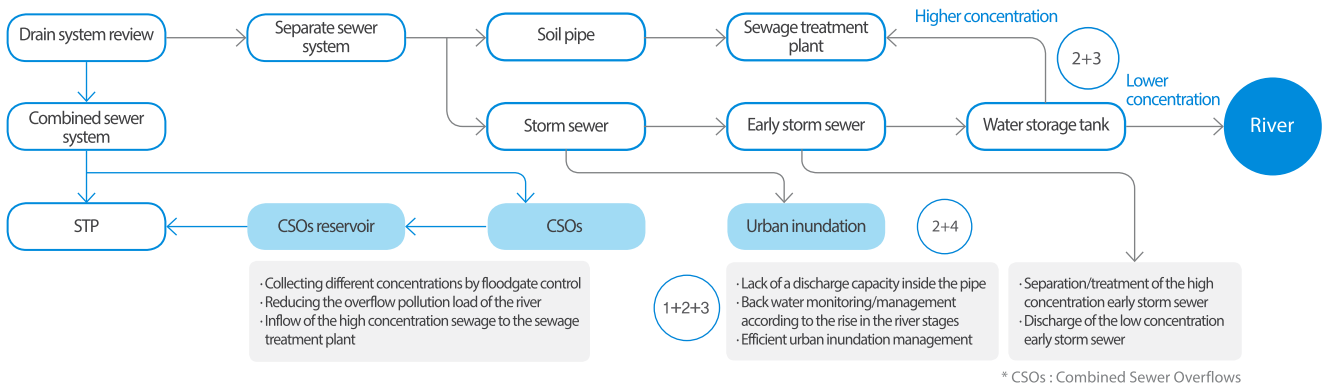
Intelligent real-time urban inundation operation management system (STEP-Flooding)

| System diagram



Components and application strategy

Storm overflow control system	A sewer overflow supervisory control system of the combined sewer / Collecting the maximum pollution load through sewage concentration and floodgate control
Real-time reservoir control system	A reservoir control system for collecting an early storm sewer at a storm sewer/Determining the concentration of the inflow to the reservoir (high, low)
Storm sewer supervisory control system	The most common monitoring model for the supervisory control system of the storm sewer and pump station / Flooding scenario analysis, rainfall, discharge, water level, pump, valve
Facility operation management system	Record management and the operational management system of certain sewer facilities Used as the GIS-based base data for analyzing the leakage and flooding of the basin / LID facility management

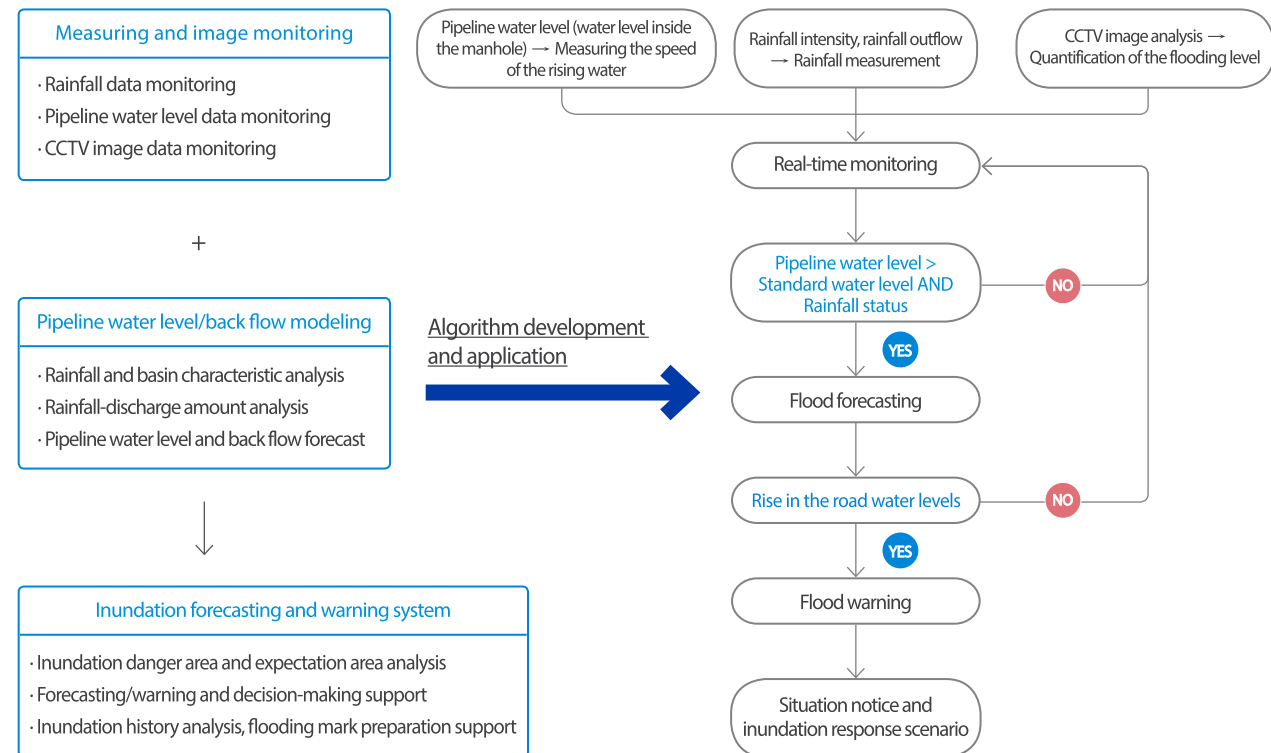
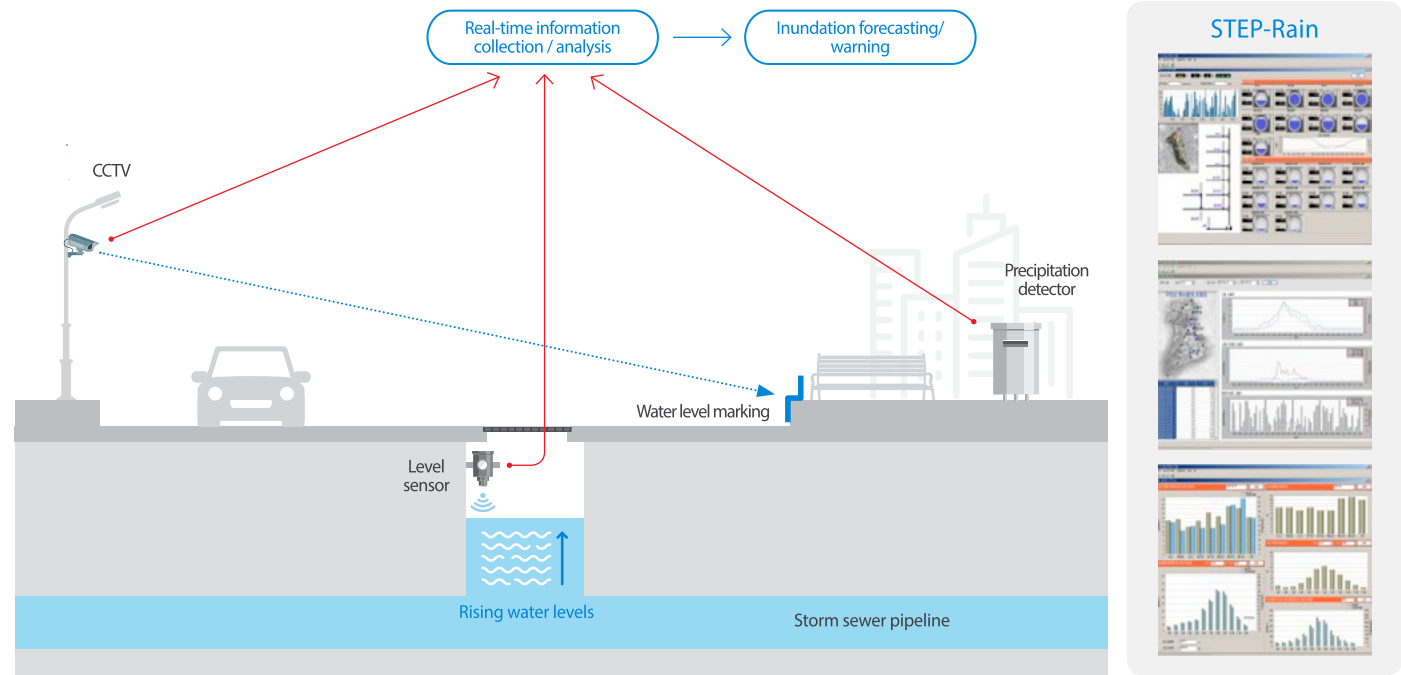


* CSOs : Combined Sewer Overflow.

- Real-time monitoring of the pipe network operation, management (I/I analysis), and analysis
- Currently being operated by many local governments throughout Korea as its performance has been verified (standard product certified by the Ministry of Environment)

Water Supply and Sewage ICT

Urban inundation forecasting and warning/monitoring system (STEP-Rain)

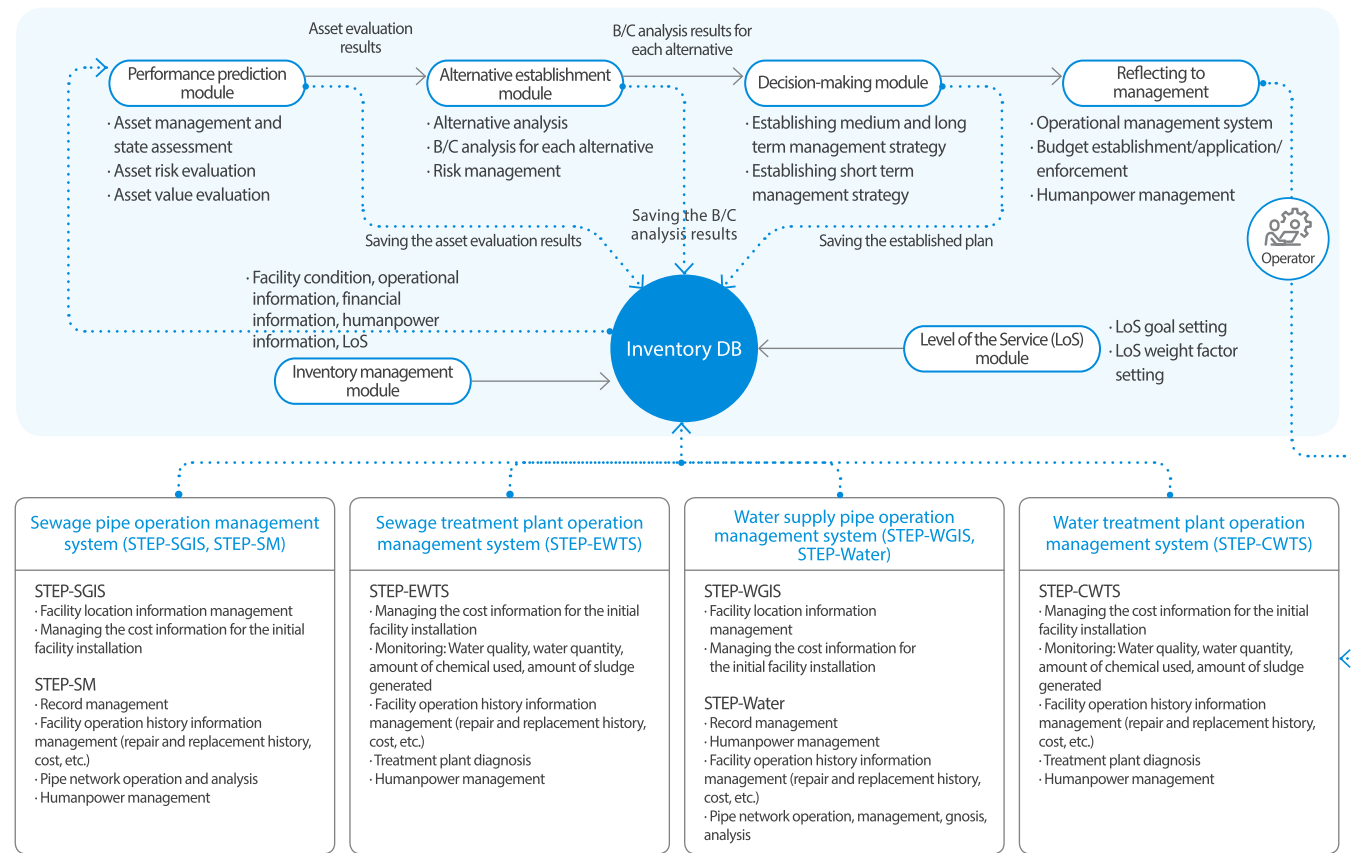


- A system that can forecast and warn of urban inundation of heavy rain
- Real-time monitoring of a flooding, manhole backflow and rainfall-runoff simulation on the ground is possible

Water Supply and Sewage ICT

Water and sewage facility asset management system (STEP-Asset)

| System diagram |



| Asset management system functions |

Module	Function	Function
Inventory management	Inventory composition	Defining the necessary elements for asset management DB for providing basic data for asset management (asset properties, asset structure cost, asset condition, degree of risk and importance, asset value evaluation, etc.)
	Asset status management	Asset registration / modification / deletion
Level of Service (LoS)	LoS goal setting	LoS identification, determining the requirements of the community
	LoS weight factor setting	LoS evaluation, strategic service evaluation, technical service evaluation
Performance prediction	Asset diagnosis and stte assessment	Determining the grade level from asset evaluation
	Asset risk evaluation	Risk and importance assessment by evaluating the damage probability, damage, surplus of the asset
Alternative establishment	Asset value evaluation	Estimating the remaining life of the facility by applying the operating materials, state assessment results, deterioration prediction model, damage prediction model, etc.
	Alternative analysis	Maintenance, repair, replacement of the existing asset, and the planning of the new asset
	B/C analysis for each alternative	Management strategy preparation including the priorities of different facilities through risk analysis
Decision-making	List management	
	Establishing short, medium and long term strategies	Financial strategy, financing plan, budge allocation, etc.

- What is asset management? – It is the systematic decision-making regarding the resource allocation for providing cost effective services desired by present and future users.
- Establishing the asset management system by integrating the existing sewer system operation management system and EPE EnE's solution.

Environmental equipment

Non-contact open channel radar flowmeter (STEP-Flo)



Sewage pipe monitoring

- Large sewage pipe
- Sewage pipe CSOs research
- Influent/extraneous water research

Sewage treatment plant

- Inflow/discharge rate
- Rainfall runoff rate

Industrial and waterpower generation

- Industrial wastewater discharge rate
- Corrosive wastewater flow measurement

River and waterway

- Rainfall forecast/monitoring
- River flow measurement



The STEP-Flo is installed and operated in a total of 110 sites throughout the nation

| Converter |

Specification	422 (L) × 140 (W) × 183 (H)mm (3.65kg)
Waterproof standard	IP68 (sensor) / IP65 (converter)
Heat-resistant range	While operating : -30 ~ 70 / Storage : -30 ~ 80
Power requirement	Input voltage : 24VDC, 100~240AVC
Output	RS-232c or RS-485 X 1, 4~20mA X 3
Communication	RS-485 for PLCs (serial~ open protocol)
	RS-485 for STEP-Flo, IFQ Monitor, RTQ-Logger series (exclusive protocol)
Flow accuracy	±3% of reading

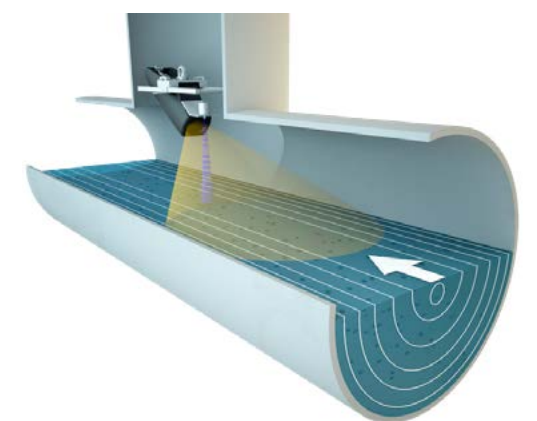
| Flowmeter |

Method (velocity)	Non-contact radar doppler
Measuring range	±0.08 ~ ±15m/s
Measurement	Bidirectional
Accuracy	Decodes up to ±0.5% accuracy
Output	RS-232c or RS-485 X 1, 4~20mA X 3
Method (level)	Non-contact ultrasonic pulse echo
Measuring range	0~2m (with ULS-02) / 0~6m (with ULS-06)
Accuracy	±0.3% (with ULS-02)/ ±0.2% (with ULS-06)
Flow accuracy	±3% of reading



Effects of technologies and features application

- Easy installation
- Cost-effective
- Developed for field applications
- No maintenance
- 5-year basic warranty
- Possible to measure corrosive wastewater, low water levels, and low flow rate



- Is not greatly affected by the installation environment, easy installation and maintenance
- Safe installation to the collecting pipe and large pipe, with the ability to measure the low water level and low flow rate

Environmental equipment

RTU (EWR-100)



- 01 Data collection through the open standard protocol
- 02 4G LTE communication-based superhigh and missing-free transmission
- 03 Large capacity storage space for the stable backup
- 04 Application of the standard protocol of the Korea Environment Corporation

Sewage
pipe
monitoring
systemUrban in-
undation
control
RTCWater
distribution
network block
maintenance
systemStorm over-
flow cham-
ber control
system

CPU	ARM 1.0 GHz (RISC-based low power 32 BIT)
RAM	512 MB DRAM
Storage	1GB eMMC Disk
Display	7-inch capacitive touch screen (resolution: 1024X600)
Network	10/100/1000 Ethernet x 1 10/100 Ethernet x 1 USB 2.0 X 2, Micro USB X 1
Serial Port	RS-232c X 3, RS-485 X 2
I/O Port	Digital input : 16 Port (Photo isolation) Digital Output : 8Port (Relay : 250VAC 5A) Analog Input : 6Port (4~20mA)
Size	46.4(D) × 235(W) × 177(H)mm
Power	220V AC
Operating temperature/humidity	10 ~ 60℃ / 85% 40℃

| Features |

- Data collection and transmission device for the remote monitoring control of analysis and measurement equipment in the environmental industry field such as the water distribution network, sewage pipe, urban inundation, storm overflow control, etc. Data collection and the transmission device for the remote monitoring control of the measuring device.
- The use of the Korea Environment Corporation RTU standard protocol allows for easy organization with simple operation.
- The user can easily set the I/O port.
- User interface that applied the 7-inch capacitive touch screen
- Possible to observe and control the diverse kinds of measuring instruments and device conditions including remote observation, water pressure observation, flow monitoring, floodgate/valve control, pump control, etc.
- Simple system composition applied with the general-purpose protocol and compatibility support with diverse equipment
- User UI that applied the 7-inch color touch screen

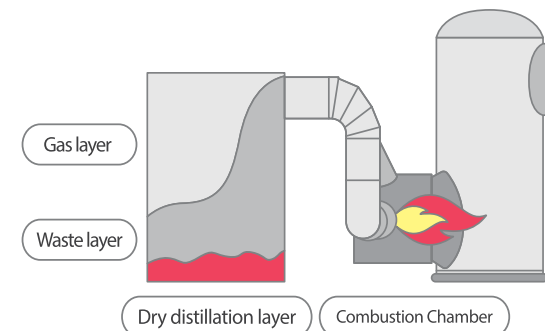
WTE

Pyrolysis / Gasification

| WTE system outline |



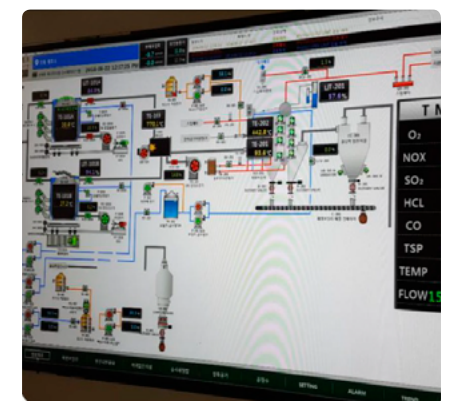
- Capacity : 10-200 ton /day
- Fuel : Waste, SRF, TDF, WCF, medical waste, etc.



Effects of technologies and features application

Category	Gasifier
1. Energy recovery efficiency	80%
2. Fuel input	Batch input of the 12 hours of fuel Batch input of the 8~12 hours of fuel (Possible to process other works after 2 hours of working)
3. Failure rate	· Dry distillation of the batch fuel is possible · No failure factors due to the absence of moving equipment while operating
4. Clinker phenomenon:	Removed by the reprocessing scraper while re-cleaning
5. Steam production	Steam at a constant pressure is produced by controlling the air volume with the actuator damper of the fan and adjusting the combustible gas production in a sealed space.
6. Number of workers	Number of workers: 2 workers for three shifts a day (a total of 6 workers)
7. Exhaust gas	Minimized gas generation
8. Maintenance cost	Low maintenance cost due to the absence of moving parts while in operation, low number of refractories, and a very low failure rate

Effects of technologies and features application

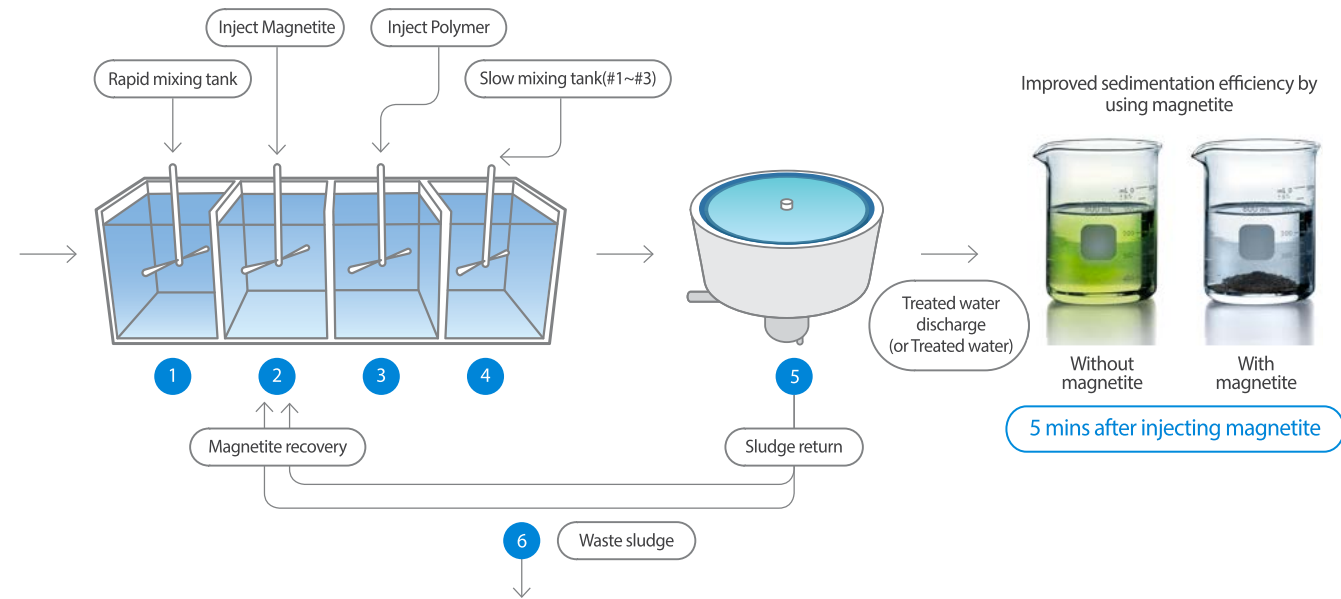


Pyrolysis / Gasification

Induces the generated gasified product vapors to the fan and the gaseous element is perfectly combusted with the optimal air ratio at the burner.

Water treatment

Enhanced Coagulation process using magnetite(STEP-FeST)



01 Rapid mixing tank	02 Slow mixing tank #1
Coagulation (Raw water+Coagulant)	Injection of raw and recovered magnetite to form dense flocs
03 Slow mixing tank #2	04 Slow mixing tank #3
Improved flocculation strength by using polymer	Improved floc strength and size
05 High speed sedimentation tank	06 Magnetite recovery equipment
Improved efficiency of solid-liquid separation	Recover and reuse the magnetite from the waste sludge

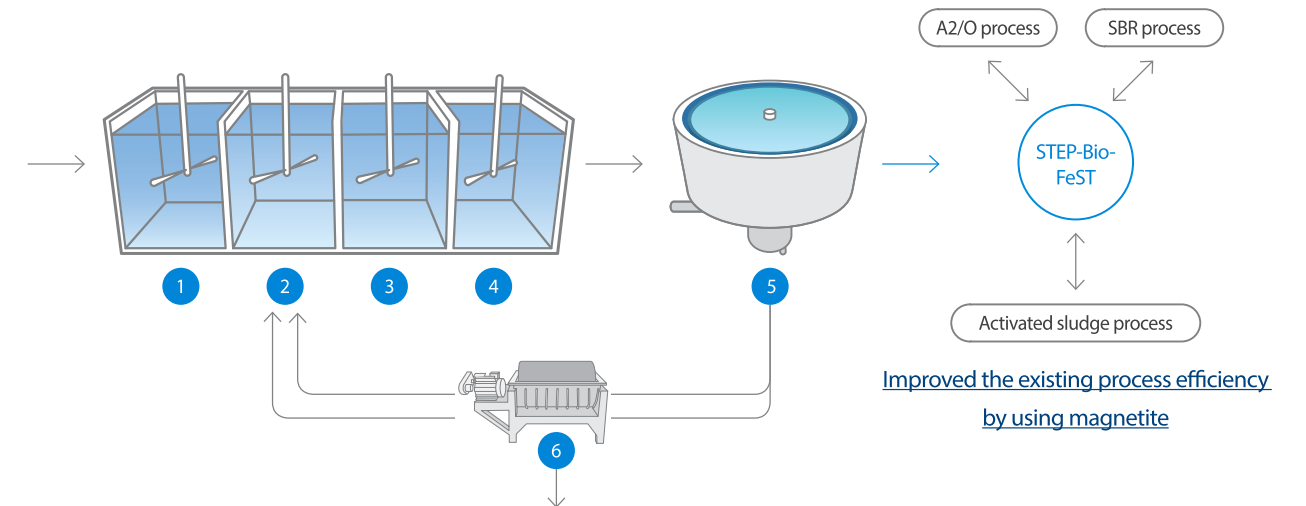
| Effects of technologies and features application |

Process	About
1. High Removal rate	Efficient removal of TSS, T-P, turbidity, color, and heavy metals without additional filtration process
2. Compaction	Small footprint by improved sedimentation
3. Simplicity	Retrofitting can be minimized
4. Low O&M cost	Sustainable process with low operation costs by continuous recovery and reuse up to 99% of injected magnetite
5. Reliability	Stability against shock loading, rapid commissioning, and process optimization
6. Improving UV treatability	Save energy and operation costs when applying UV disinfection because of high transmittance of treated water
7. Easy Operation	Full automation, minimal operator's attention, and easy to operate

- Save operation costs(reduced footprint, and excellent restoration)
- Plug and play package provides easy construction

Water treatment

Biological treatment process using magnetite(STEP-Bio-FeST)



01 Rapid mixing tank	02 Slow mixing tank #1
Coagulation (Raw water+Coagulant)	Injection of raw and recovered magnetite to form dense flocs
03 Slow mixing tank #2	04 Slow mixing tank #3
Improved flocculation strength using polymer	Improved floc strength and size
05 High speed sedimentation tank	06 Magnetite recovery equipment
Improved efficiency of solid-liquid separation	Recover and reuse the magnetite from the waste sludge

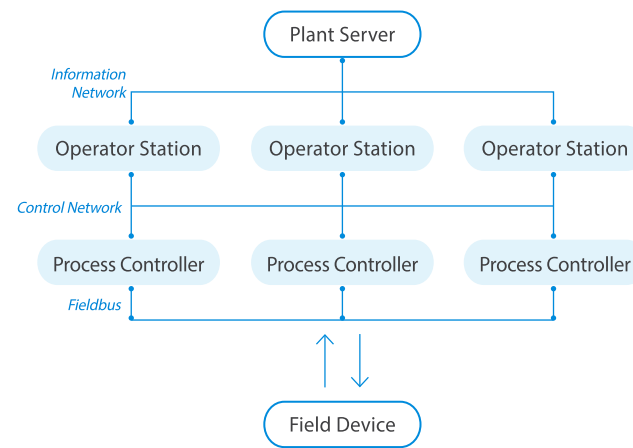
| Effects of technologies and features application |

Features	About
1. Improved treatment efficiency	Improved the existing process efficiency by using magnetite
2. Operation stability	Minimized operational risk by improving the efficiency of the existing processes
3. Reliability	Stability against shock loading, rapid start-up when restarting the process, and process optimization
4. Easy installation	Possible to install only with inflow/discharge connection to the existing process
5. Easy Operation	Full automation, minimal operator's attention, and easy to operate
6. Applications	Easy to apply to all types of activated sludge processes

- Plug and Play package provides easy construction
- Easy to apply to all types of sedimentation processes

Instrumentation and Control System

Realizing optimal control and decision making that has integrated both control and business information even beyond the simple plant control.



• Integrating control and business information

Supporting optimal decision making by applying plant operating information to business information through the direct linkage between operation data and PC or Workstation without the need for an extra interface device.

• Mutual compatibility between other system and networks

The use of an open structure provides compatibility between other systems and networks, thus resulting in an easy system buildup that can systematically apply various kinds of advanced technologies.

• High functional system with excellent flexibility and expandability

Easy organization and the changing of hardware and software are possible according to the plant situation and user's demand, and the use of identical application software for all kinds of system scales enables the expansion of the function and scope of the system with minimum interruption and cost.

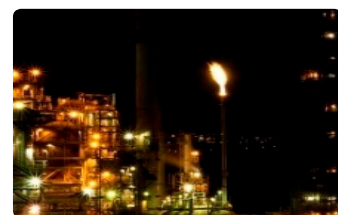
Communication & Security System

Designing, integrating, delivering, and testing communication and security systems necessary for power and chemical plants.

System composition

- | | |
|---------------------------|---|
| • Telephone System | • Clock System |
| • PAGA & Paging System | • CCTV System |
| • LAN System | • Access Control System |
| • UHF Mobile Radio System | • Fence Intrusion Detection System (FIDS) |

Reference



CAFC(Refinery) in Algeria



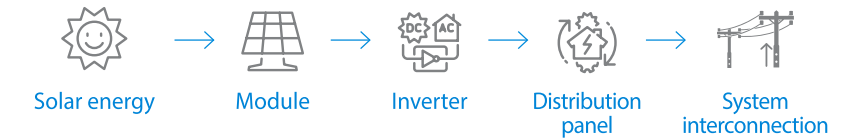
SAFI power plant in Morocco



Misurata power plant in Libya

Photovoltaics System: Business development / FS / Licensing / EPC

Converting solar and light energy into electric power



- Photovoltaics power generation is a type of energy technology that generates electricity by converting the light energy of the sun. (i.e. Method of generating electricity by using solar cells that generate electricity from the photoelectric effect.)

- The photovoltaics power generation system is comprised of the module that consists of solar cells and power converter.

Advantages of the photovoltaics power generation

- Clean and unlimited energy source
- Possible to generate the desired amount of electricity for the desired area
- Easy maintenance and possible to become unmanned technology
- Long lifespan (more than 20 years)

Fuel cell generation: Business development / Business plan and licensing / EPC

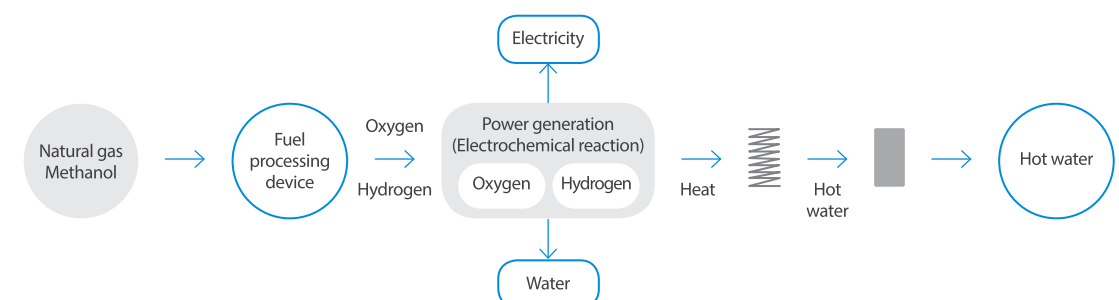
Fuel cell is a type of new renewable energy that can be operated at all times throughout the year as it generates electricity and heat through the electrochemical reactions between hydrogen and oxygen in the air by using natural gases, methanol, etc.

Electricity generation from electrochemical reactions between the hydrogen of the fuel and oxygen in the air -> Generating electricity, water, and heat from the fusion between hydrogen and oxygen

01 Separate the hydrogen supplied to an anode into a hydrogen ion and electron.

02 Hydrogen ion moves to the cathode through the electrolyte layer, while the electron moves to the cathode through the external circuit.

03 Hydrogen ion and electron meet at the cathode and form a reaction product (water).



03

R&D / New Business

STEP-Drone / EOR

EPS EnE has been carrying out R&D activities
on a consistent basis for the advancement
and globalization of the environmental
management technologies.



R&D

Environmental monitoring and water sampling by using a drone (STEP-Drone)

| Environment monitoring drone (water sampling and environmental monitoring imaging) |

Size	1,200 size, less than 24kg, carbon fiber airframe
Flight time	40 min (hovering time), 20 min when 5mm rainfall occurs
Max. flying speed	60km/h, max. flight wind speed 15m/h
Weight on board	10kg, max. 25kg
Controller	Ground controller (GCS), RC-controller
Characteristics	Unmanned flight system with high wind resistant performance and high mobility
	Dual FC (Flight controllet, Companion computer)
	28-inch CF propeller with BLDC KV 100 motor, two 22,00mah batteries (in pair)
Mission equipment	GoPro 4, 3-axis gimbal, Flir Vue Pro thermal imaging camera (HD image transmission)
	Neon-M8N GPA (Fault Tolerant, Auto Care System)
	LTE communication module and VPN (image + telemetry + mission equipment information)
	Two 1-liter multi water quality samplers (for drones)



| Water sampling and environmental monitoring system |



- Easy and simple approach by flight, and it is possible to collect the water quality for different water levels (optional)
- Inspection through the use of a HD camera and thermal imaging, and real-time image transmission monitoring by using wireless communications
- GPS-based remote communication (LTE) for the autonomous navigation system, and reduced cost and time for water sampling

R&D

Smart Water production technology for enhanced oil recovery (EOR)

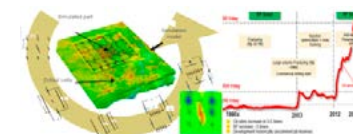
| Process chart |



Mobile smart water production system



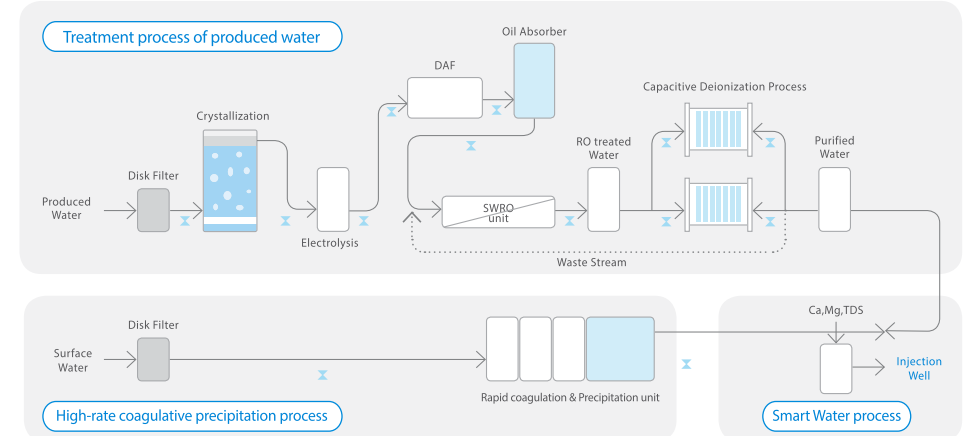
Integrated operation and the decision making system



Optimal technique for reservoir modeling and prediction

| Project overview |

Research fund support organization	Korea Institute of Energy Technology Evaluation and Planning (KETEP)
Study period	Dec 2017 ~ Jun 2020 (31 months)
Total research funds	Approx. 3 billion won
Managing institution	EPS EnE Co., Ltd.
Participating institution	Hanyang University, Sejong University, Korea Institute of Safe Drinking Water Research, Bandung Institute of Technology (Indonesia)



| What is Smart Water? |

- Because areas around oilfields lack water in general, mined underground water (i.e. produced water) rich in salinity and concentration is reinjected

- Recently, a report highlighted that oil recovery was increased when injected with low salinity water, and Smart Water is water injected that adjusts the calcium and magnesium concentration to maximize oil recovery

| Process overview |

- **Treatment process of produced water**
 - Comprised of oil removal (electrolysis, oil adsorption) and salt removal (crystallization, RO, CDI) processes
- **Treatment process of the surface water**
 - Involves enhanced coagulation process by considering mobility (In Indonesia, surface water intake is possible in the rainy season so that it can produce smart water with it. Because the surface water has low salinity this system only consists of process for removing particle matters)
- **Smart water production process**
 - Smart water production by adding calcium, magnesium, and salt in the treated water of each process for maximizing crude oil output
- **Mobility**
 - Compact size designed and containerized for providing mobility while moving between oilfields
- **ICT**
 - Operational convenience from the application of the decision-making system with remote controlling and data analysis



Mobile and ICT-based smart water production system for the extra production of residual oil at a reservoir
Smart water production by using surface water and produced water for maximizing the residual oil recovery

04

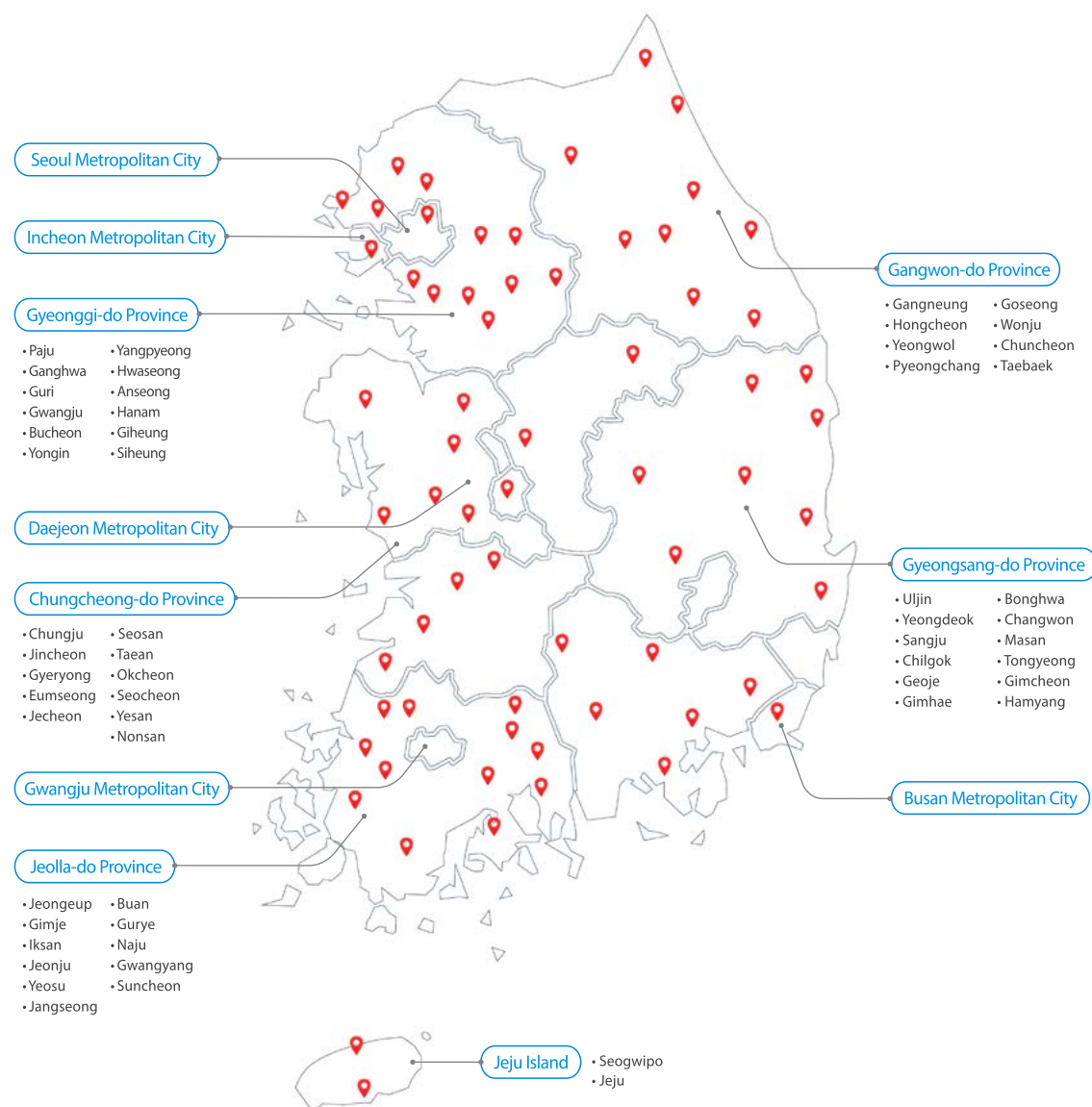
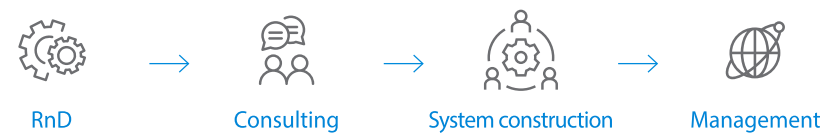
Business Performance

| Installation cases |



EPS EnE manages sewage pipes over the nation systematically and professionally through monitoring.

The EPS EnE operation management system is applied to all places where water flows. As a leading company in the water and sewage network system, EPS EnE offers the most effective, safest, and most reasonable solutions based on the nationwide construction experiences.



| Patented technology |

No.	Registration no.	Patent title
1	1012316970000	Method for correction meter reading data of waterworks consumer
2	1013232880000	Penetration type rain water treatment and reusing apparatus
3	1013451860000	System for monitoring flooding of road and its method
4	1013466040000	Bio-film water treatment apparatus capable of back washing without power
5	1013758660000	Early storm sewer treatment apparatus and storm sewer outflow reduction apparatus
6	1014336870000	Double bio-film water treatment apparatus
7	1015015750000	Method for calculating actual measurement under registration rate of water meter for improving credibility of total revenue water account balance analysis
8	1015565900000	Method for analysis water leakage of water pipe network using remote metering data of water supply customer and system thereof
9	1015961670000	Apparatus and method for compensating shadow of image for image contrast enhancement
10	1015963540000	Method for calculating control value of hydraulic pressure and system using the same
11	1016108070000	Water treatment apparatus
12	1010903600000	Block information system and data acquisition method of water distribution pipe network
13	1017444090000	Method and apparatus for detecting water level based on camera in low illumination environment
14	1017504920000	Solidification material making method for utilizing waste gypsum as public waters reclamation soil
15	1017919740000	GIS based method for tracking water control valve in water supply pipe network
16	1018125890000	Method for checking water leakage of indoor water pipeline using metering data of water supply customer and system thereof
17	1018150030000	Control method of water treatment system
18	1018149870000	Water treatment system
19	1018302570000	Public waters reclamation method utilizing solidification material containing waste gypsum
20	1018662390000	Method for monitoring water quality environment using drone
21	1019333810000	Magnetic powder recovery apparatus for water treatment
22	1019598560000	System for increase of soil infiltration rate during rainfall using rainwater storage tank
23	1019958220000	Movable smart water system
24	102056184000	Apparatus for crystallization wastewater and method for crystallization wastewater
25	102077335000	Local control panel

| Main customers |

• Construction companies

금호산업	posco 포스코건설	한화건설	Ssangyong 건설
HYUNDAI	TAEYOUNG 태영건설	대우건설	DAELIM
계룡건설(주)	GS 건설	고려개발	KGC KGC건설
안양	대한건설	DOOSAN 두산건설	SK 건설
롯데건설(주)	코오롱글로벌(주)	SAMSUNG 삼성물산	HDC 현대산업개발

• SI enterprises / Government offices

아식아나IDT	posco 포스코ICT	Hanwha S&C	DAELIM &S
GS네오텍	LS산전	LG전자	KFE 한국농어촌공사
한국환경공단	K water 한국수자원공사	서울특별시	부산광역시 BUSAN METROPOLITAN CITY
인천광역시	광주광역시	대전광역시	울성군
Nonsan 논산시	계룡시	창원시 창원대도시환경청	고령시
정읍시	충주시	충청남도	광양시

Business Performance

Major records

| Management and maintenance |

Project title	Business year	Ordering organization
Improvement of the Seogwipo BTL monitoring system	2017	Seogwipo-si
Consigned service for the Changwon-si sewer monitoring system maintenance 2017		Changwon-si
Han river basin integrated sewer management program maintenance (2017)		Korea Environment Corporation
Changwon-si maintenance consignment service in 2018	2018	Changwon-si
Incheon Metropolitan City sewage pipe BTL flow measurement system management		Incheon Metropolitan City
Geoje-si sewer monitoring system maintenance service in 2018		Geoje-si
Improvement of the Nonsan-si BTL central control room sewage monitoring system	2019	Nonsan-si
Changwon-si sewer monitoring system maintenance service in 2019		Changwon-si
Paju-si sewer maintenance monitoring system repair and the replacement of the server and related programs		Paju-si
DB server and equipment replacement in the Hongcheon BTL repair project 2019	2020	Hongcheon-gun
Jeonju-si water supply facilities central control room maintenance service		Jeonju-si
Han river basin sewer network instrumentation system flowmeter maintenance service		Korea Environment Corporation
Geoje-si sewer monitoring system maintenance service in 2019	2020	Geoje-si
Changwon-si sewer monitoring system maintenance service in 2020		Changwon-si
Sewer monitoring system maintenance		Geoje-si

| Establishment of a water distribution network operation management system |

Project title	Business year	Ordering organization
Establishment service of the Changwon water distribution network block maintenance system	2012	Korea Bio System
Establishment of the Taebeak water distribution network optimum management system	2014	Korea Environment Corporation
Establishment of an optimum management system for 2-graded water distribution network in Jangseong	2015	Jangseong-gun
Establishment of a Gangjin-gun small scale water supply plant integrated management system		Gangjin-gun
Establishment service of a Suwon smart water city water supply advancement system	2017	Suwon-si
Establishment of a maintenance system for the local water supply system modernization project (Gurye-gun)	2018	Gurye-gun
Establishment of a maintenance system for the local water supply system modernization project (Seongju-gun)		Seongju-gun
Establishment of a maintenance system for the Buan-gun local water supply system modernization project	2019	Buan-gun
Establishment of a Gangjin-gun small scale water supply plant integrated management system		Gangjin-gun
Establishment of a maintenance system service for the Seochon-gun local water supply system modernization project		Seochon-gun
Establishment of a Suwon smart water city water supply advancement system		Suwon-si
Establishment of a maintenance system for the Hamyang-gun local water supply system modernization project		Hamyang-gun
Establishment of a maintenance system service for the Taean-gun local water supply system modernization project		Taean-gun

| Measuring instrument delivery, installation / General construction |

Project title	Business year	Ordering organization
Taebeak water distribution network maintenance system instrumentation control device purchasing	2014	Korea Environment Corporation
Taebeak Hwangji process control panel purchasing and installation		Korea Environment Corporation
Reliability enhancement business for the water supply to the wide water-works system in the capital area	2015	Korea Environment Corporation
Multipurpose rural water development business in Hongso		Yongin-si
Flowmeter installation work in the Chungju-si BTL Gyoheon area	2016	Chungju-si
Jeju BTL radar flowmeter installation work		Jeju-si
Annual communication unit cost for an unmanned water booster station in 2017	2017	Yongin-si
Wonju BTL F2 point radar flowmeter replacement work		GANA OM
Yongin-si BTL radar flowmeter replacement and installation work (2nd work, Jukjeon 3)	2018	Shinjin Maintenance & Construction
Jeju BTL radar flowmeter installation work		Jeju-si
Jeongeup-si BTL radar flowmeter installation work	2018	EPS Solution
Samsung Electronics Onyang Membrane & Array replacement work		Samsung Electronics
Gangneung BTL Naegok branch radar flowmeter installation work	2017	EPS Solution
New agricultural technology center construction (communication)		Hwaseong-si
Flowmeter installation in central Naju	2019	Naju-si
Jeju BTL radar flowmeter installation work (in Geumneung, Sinchang)		Isan
Purchasing of the Bucheon-si Gulpochon early rainwater treatment system supplies (flowmeter)	2020	Korea Environment Corporation
Chungju-si BTL Chungjucheon Stream 2, 3 radar flowmeter installation work		GANA OM
Purchasing of the Eumseong Daeso sewage pipe repair work resources	2019	Eumseong-gun
Seochon BTL radar flowmeter installation work		GANA OM
Seonam sewage treatment center radar flowmeter installation work	2020	Daelim Industrial
Wirye new town Seongnam area water cycle system construction instrumentation control device		Hyundai Engineering & Construction
Sintanjin flowmeter installation work	2020	EPS Solution
Wonju BTL F6 point radar flowmeter installation work		GANA OM
Chuncheon BTL radar flowmeter installation work	2020	EPS Solution
Purchasing of the Changwon-si sewer collecting duct monitoring flowmeter		Changwon-si
Nonsan-si BTL F4 point radar flowmeter installation work		EPS Solution

| Consulting/Modeling |

Project title	Business year	Ordering organization
East Jeju sewer repair work pollution load research service	2012	Kumho E&C
Establishment of the Gangneung/Daejeon/Nonsan/Eumseong BTL modeling		EPS Solution
Yongin BTL step 2: maintenance monitoring system flow rate and water quality research		EPS Solution
Establishment of a Cheonan-si sewer repair BTL modeling	2013	POSCO E&C
Daejeon Metropolitan City sewer repair system test and flow water quality research service		EPS Solution
Establishment of the Cheonan-si sewer repair BTL modeling	2016	POSCO E&C
Han river basin sewer networks instrumentation system improvement service		EPS Solution
Modeling program (Busan BTL stage 1, 2)	2017	EPS Solution
Siheung-si BTL flow water quality research		EPS Solution

| SI / R&D |

Project title	Business year	Ordering organization
Integrated management solution development for intelligent water supply facilities	2012	Hanwha Engineering & Construction Corp.
Demonstrative analysis program for the Naju-si sewer maintenance system		Dreamtech System
Development of the sewer asset and facilities management solutions	2013	Kolon Watertech
Development of the LTE-based image transmission and collection solutions		mGate
Integrated management solution development for intelligent water supply (3rd year)		Hanwha Engineering & Construction Corp.
Consigned research service for designing the module for the intelligent water supply distribution network analysis	2014	Hanwha Engineering & Construction Corp.
Optimum sewer operation management SW development		POSCO E&C
Development of the eco-smart water supply total solution system	2015	POSCO E&C
Consigned service for intelligent water supply testbed maintenance (4th year)		Hanwha Engineering & Construction Corp.
Total solution system development stage 2	2016	POSCO E&C
Inventory registration program development for a water treatment facility		Korea Institute of Civil Engineering and Building Technology
Basic research on public sewerage system and research on preparing a management plan for old facilities	2017	Korea Water and Wastewater Works Association
Technology development with a functional carrier and upward-downward loop flow material		Ministry of Environment
Cloud-based environment monitoring network technology R&D	2017	Ministry of Environment
Improvement of the Giheung U-city sewer management program		Yongin-si
Water cycle monitoring technology development for unused urban spaces		Ministry of Land, Infrastructure and Transport

| Construction of a sewer operation management system |

Project title	Business year	Ordering organization
Establishment of the Anseong sewer BTL maintenance monitoring system	2012	Anseong-si
Establishment of the Ulsin-gun BTL sewer repair work maintenance monitoring system		Ulsin-gun
Establishment of the Daejeon-si BTL stage 2 sewer maintenance monitoring system	2013	Daejeon-si
Pohang-si Cheongha BTO machine sewage treatment plant maintenance monitoring system		Pohang-si
Paju BTL electric and instrumentation control construction maintenance monitoring system	2014	Paju-si
Maintenance monitoring system installation in the Geoje-si Shinhyun area		Geoje-si
Establishment of the Busan-si BTL stage 3 sewer pipe electricity and maintenance system	2015	Busan-si
Establishment of the Suncheon BTL maintenance monitoring system and electric work		Suncheon-si
Establishment of the Yesan BTL machinery and maintenance system	2016	Yesan-gun
Jangseong-gun sewer maintenance system and central supervisory control equipment and management program		Jangseong-gun
Sumin division sewer meter and maintenance system	2017	EPS Solution
Establishment of the Yangju sewer system		Yangju-gun
Establishment of the sewage pipe operation management system demonstration projects (Ulsin, Okcheon)	2018	Korea Environment Corporation
Establishment of the maintenance system for the Gimpo-si BTL sewage pipe maintenance project		Korea Environment Corporation
Busan-si BTL stage 5 sewer pipe electricity/machinery/maintenance system	2019	Asiana IDT
Siheung sewer electric and instrumentation control construction		Korea Environment Corporation
Establishment of the Hwaseong sewage treatment plant eco-water system (GP pump control panel)	2019	Hanwha Engineering & Construction Corp.
Establishment of the management solution for the Gimpo-si BTL sewage pipe maintenance project		Asiana IDT

04

Business Performance

Business license / Business certificate / Technology certificate / Direct production certificate

| Business license |



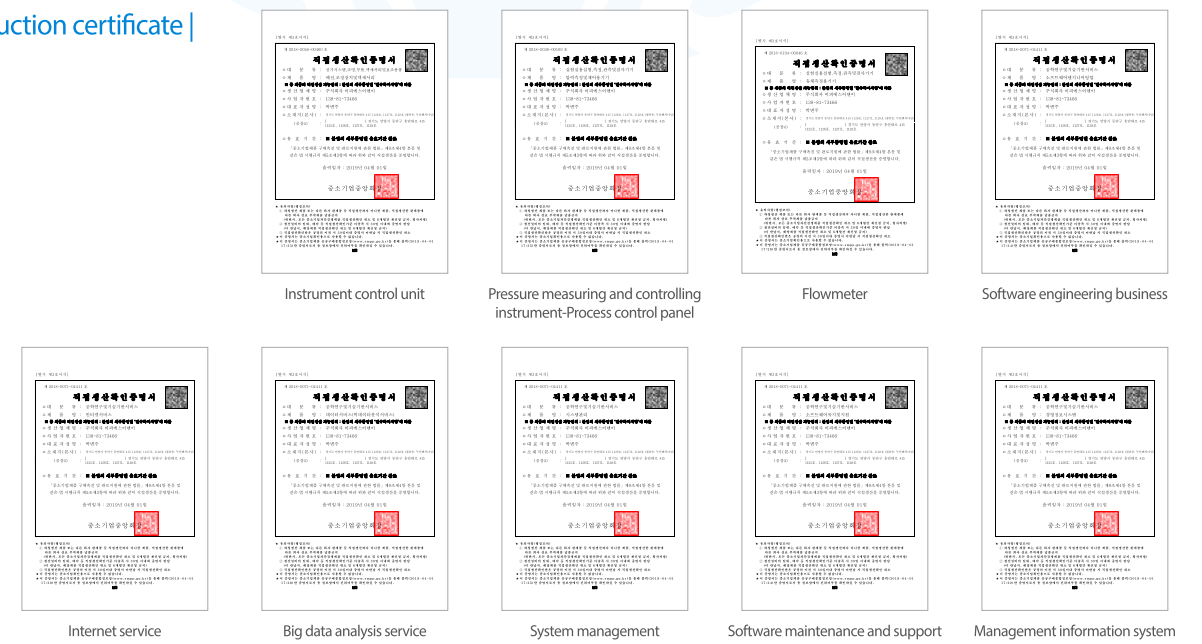
| Business certificate |



| Technology certificate |



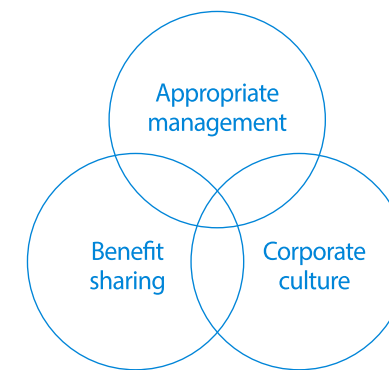
| Direct production certificate |



05

EnE Cultures

Welfare system / Proper corporate culture activities



Fostering talented workers with competence and refinement,
Developing the best technologies to accurately address public interests

and the proper corporate culture.

We at EnE, realize a pleasant work life.





EPS EnE

| EnE Cultures |

- Lecture sessions by renowned lecturers
- Book discussion club
- Company excursion twice a year
- Business strategy workshop
- Supporting activities for underprivileged people
- Supporting the book purchase of employees
- Supporting school expenses for employees
- Supporting academic expenses for learning languages and expenses for workouts
- Supporting traveling expenses for employees with 5 to 10 years of continuous service
- Active compensation for employee's invention
- Supporting expenses when different departments and teams get-together for meetings
- Supporting the club activities for different areas
- Supporting lectures regarding the job training program
- Supporting childcare expenditure for employees with three children