

Best safety, Best technology

With the aim of becoming a global company, we are moving towards becoming a leading company in the 21st century with the best technology and quality.

rotec

Maintenance / Construction / Engineering

Family Company



www.roteceng.com

CONTENTS

- ✓ CEO Message, Promotional Video
- ✓ VISION, Aerial View
- ✓ Maintenance
- ✓ Construction
- ✓ Engineering
- ✓ R & D / CERTIFICATES
- ✓ AWARD-WINNING
- ✓ History
- ✓ Clients

Family Company

UBIMICRO

ICT Specialized Company Pursuing Innovation

N'THINK

HILS Simulators for Rests and Evaluation

AR/VR Platform

Marinex Products

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Promotional Video

Check out the vision of Rotec Engineering Co., Ltd. to share the future!

Click here to check out the
high-resolution video!

CEO Message

We wish you good prosperity and well success.

Rotec Engineering Co., Ltd. is specialized in maintenance, repair and overhaul in Plant Mechanical equipments. All of employees including CEO have diverse experiences in maintenance and construction of mechanisms in the industrial site.

The Company owns diverse certificates such as ISO 9001, KOSHA 18001 and certifications of profession in construction. These can help to support customers needs and are now running under introductory phase.

Especially, the Plant Maintenance Division provides maintenance services to customers with diverse solutions depend on the mechanism's features such as Turbine, Pump, Motor and large Compressor and so on.

We also provide proper necessary know-how to solve the customer's problem whenever they need.

Also, the Plant Construction Division fulfills their duties in the construction of pipe, stationary machine and diverse mechanisms in improvement and remodeling.

They do their best to help the customer getting started their business safely.

Finally, We strive to meet customer's needs and promise not to lose mind at the beginning.

Sincerely Yours

Tae Yeol Kwon, CEO, Ho In Hwang, CEO

Click to go to the desired site.



NEWS
Release



Free
Board



Contact

Maintenance



- Rotating Equipment
- Liquid Pump, Compressor, Fan & Blower
- Turbine, Generator, Motor
- Mixer, Gear Box, Agitator
- Cooler, Cooling Fan, Extruder

- Stationary Equipment
- Heater, Heat Exchanger
- Dryer, Scraper
- Pressure Vessel
- Marine Loading Arm

Construction



- Installation of Equipment
- Foundation Site
- Marine Structure

- Exchange of Tank
- Remodeling of Equipment

Engineering



- Equipment Design & Modification
- Test & Instrumentation

- Vibration Analysis
- Alignment

Best safety, Best technology

Maintenance / Construction / Engineering

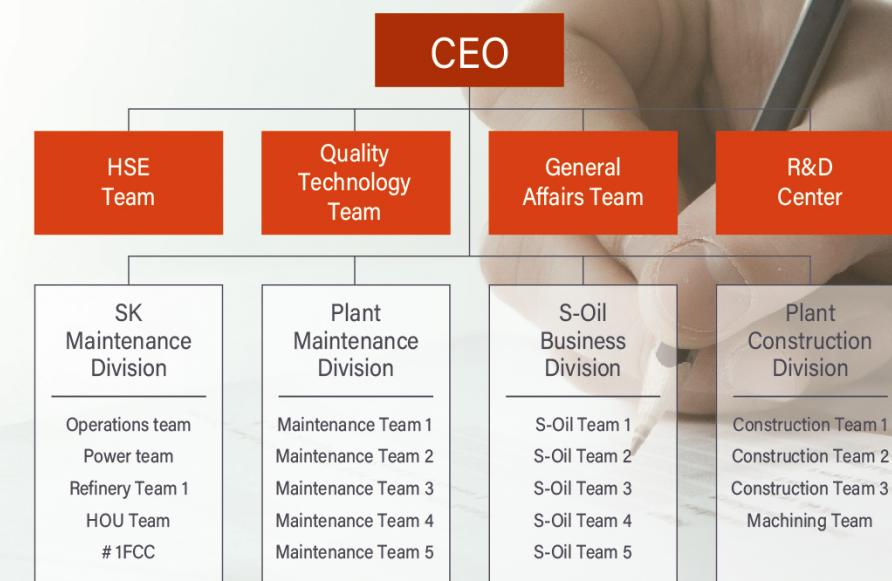
VISION

A company that loves people, nature and pioneers the future with customers

MISSION

Supply construction, maintenance, manufacturing, and trading services to meet the needs of customers and to manage the facilities of existing facilities.

Business Area



GOAL

Managerial Objective

Securing the Best Technology **STANDARD** Quality
Providing Optimal Value
Creation

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Maintenance

- Rotating Equipment
 - Liquid Pump, Compressor, Fan & Blower
 - Turbine, Generator, Motor
 - Mixer, Gear Box, Agitator
 - Cooler, Cooling Fan, Extruder

- Stationary Equipment
 - Heater, Heat Exchanger
 - Dryer, Scraper
 - Pressure Vessel
 - Marine Loading Arm



All Type Liquid Pump



Steam Turbine



Air Blower



Turbine



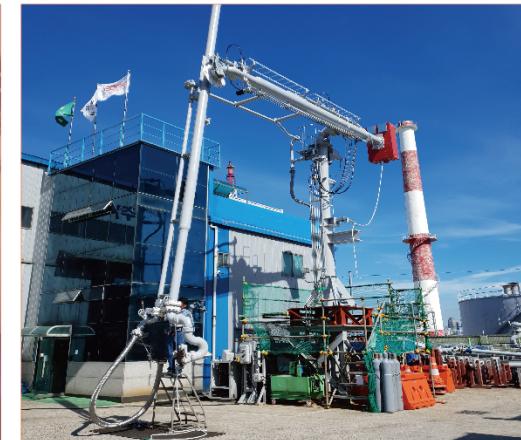
Tank Mixer



Screw Extruder



Shaft Alignment



Marine Loading Arm(MLA)

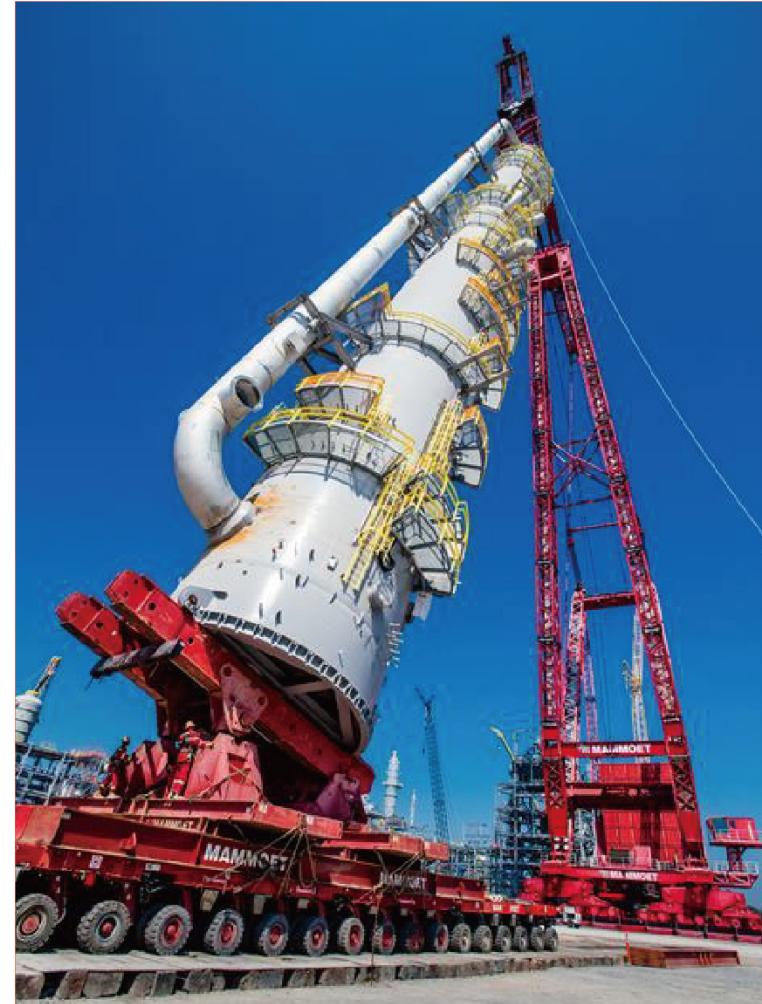


Click here to check out further information!



Construction

- Installation of Equipment
- Foundation Site
- Marine Structure
- Exchange of Tank
- Remodeling of Equipment



Large structure installation



MLA Installation



Centrifugal Compressor
Aux Equipment Installation.



Centrifugal Compressor
Bolt Hole Working



Click here to check out further information!



Engineering

- Equipment Design & Modification
- Test & Instrumentation
- Vibration Analysis
- Alignment



Hydraulic Power System for MLA



Vibration Analysis



Test & Instrumentation



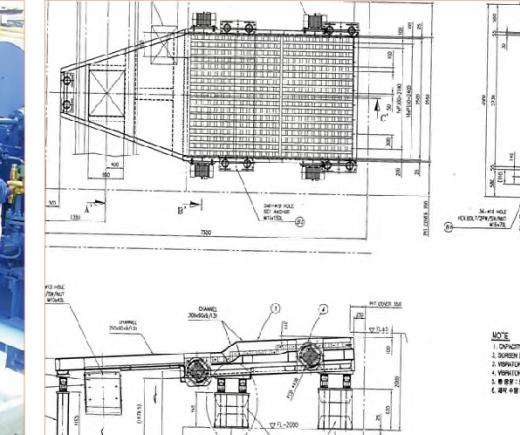
Pump Capacity Extend



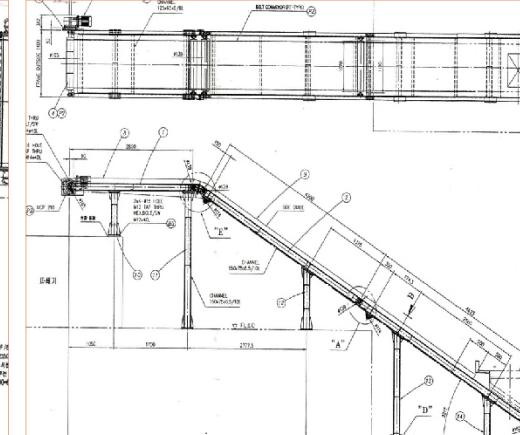
Casing Change of Equipment



Assembly change of Equipment



RDF System Process
Vibrator Drawing.



RDF System Process
Belt Conveyor Drawing.





ICT Specialized Company Pursuing Innovation



Ubimicro Co., Ltd. has its ultimate mission to protect people, assets and the natural environment from suffocation, fire, and explosion by contributing to remarkably improving the level of customer safety and environmental management based on advanced wireless communication technology.



INNOBIZ

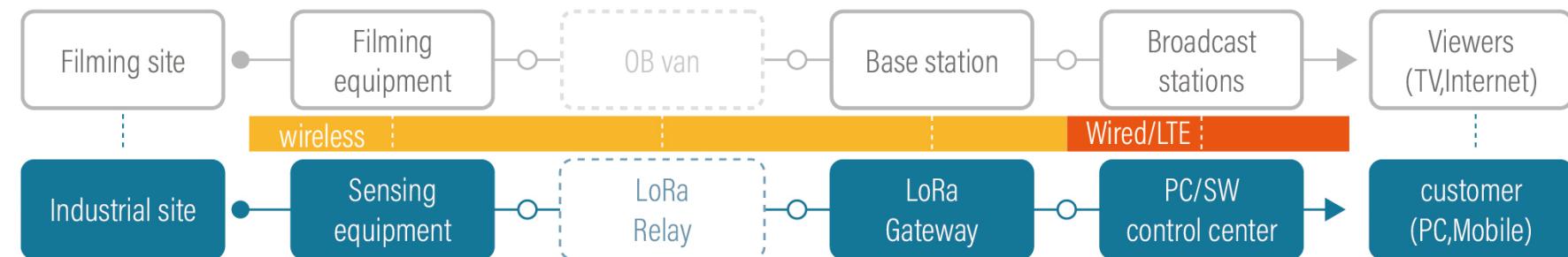


Wireless IoT-based real-time Process Monitoring Solution

UBiTOMS™

- Confined space worker safety management
- Gas leak monitoring
- Air environment monitoring
- Predictive maintenance of facilities
- Worker access status and location management
- +@ (Customizing according to customer needs)

System understanding (preparing for broadcasting on-site)



ICT Specialized Company Pursuing Innovation

UBIMICRO

IoT-based real-time HSE integrated management system

UBiTOMS™

Proposal

Problem recognition



- Limitations of HSE management that rely only on people
- Increased burden due to reinforcement of related laws and regulations
- Variation in field operation capability due to reduction of manpower and lack of knowledge and experience

Ubimicro choice

SYSTEM = Data + Network + A.I

Provides an optimized solution system by collecting, sharing and analyzing various information occurring in the field in real time

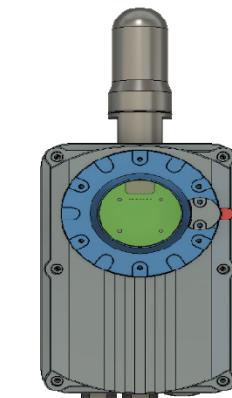
Product Introduction



Monitoring Software



Portable Gas Detector



Explosion Proof type Gas Detector



pH Monitoring



Leak detector



Access Control

ICT Specialized Company Pursuing Innovation
UBIMICRO

IoT-based real-time HSE integrated management system

UBiTOMS™

Differ

Manpower

Existing site

- Dependence on the individual
 - Deviation according to personal knowledge and experience
 - Limited management scope

UBiTOMS™

- Systematization - Possible partial SW conversion

Management

Existing site

- A number of incidental tasks, such as grasping the current status, reporting, and taking measures, focusing on exports

UBiTOMS™

- Real-time measurement and sharing reduces management burden and simplifies work

Coping

Existing site

- Workers can be recognized after a situation occurs
- Delay in emergency response when the situation is spread

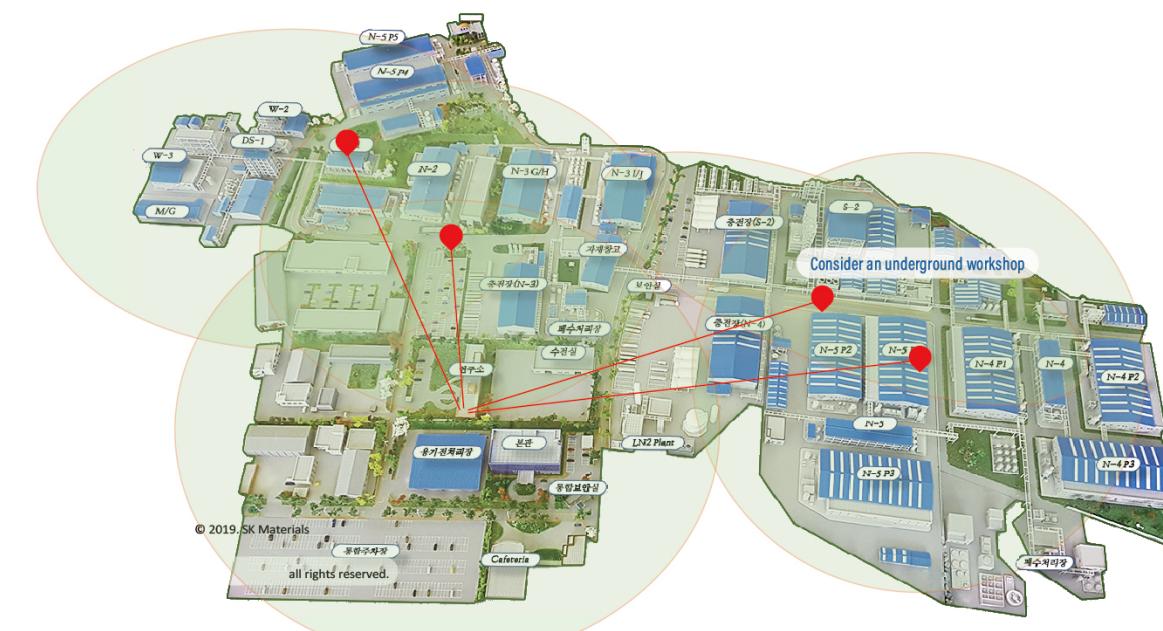
UBiTOMS™

- Predictive response through trend analysis
- Real-time sharing enables quick response

Construction Case

Sensor Device with LoRa Module

LoRa Relay



Monitoring SW UI



NEW THINKING MAKES CREATIVE VALUES

N' THINK

N' THINK is on its way to lead Korea's marine equipment and ship communication industry and to become a global leader.

Since its foundation, the company has successfully executed many national R&D projects and has made utmost efforts to improve the quality of products and raise clients' satisfaction through continuous research and development.

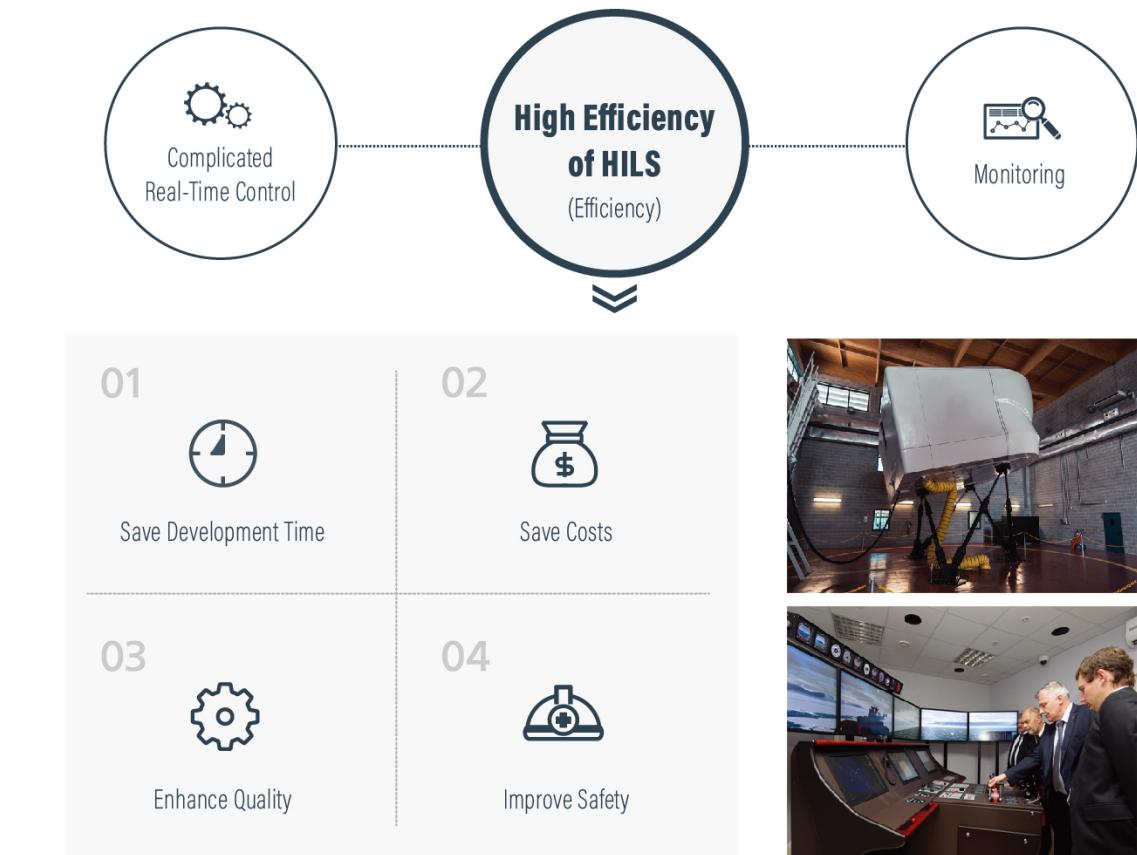
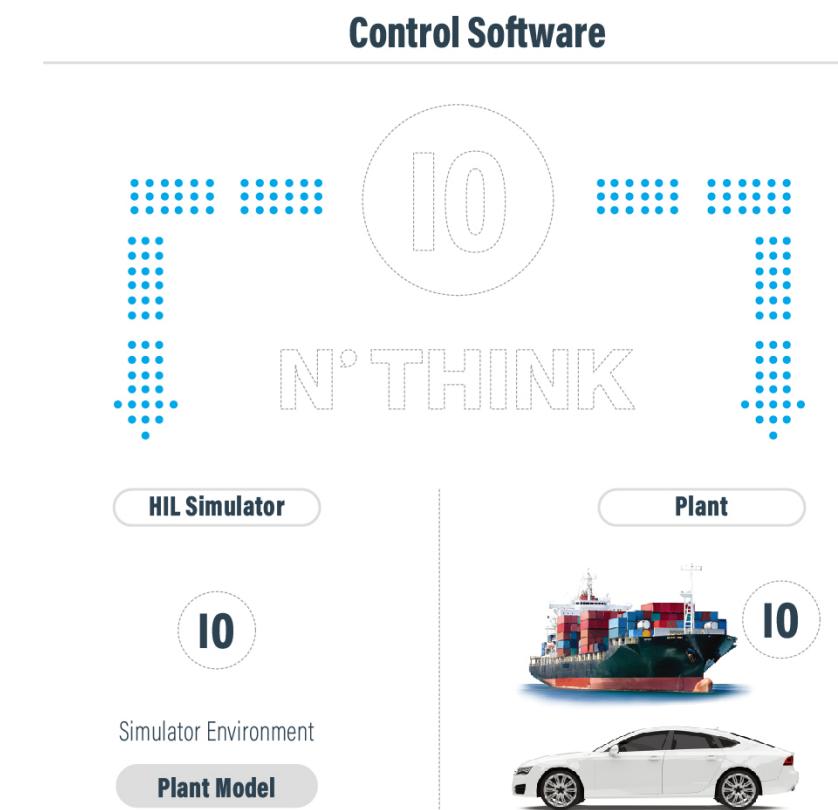




HILS Simulators for Tests and Evaluation

Hardware-in-the-loop (HIL) simulation or HWIL is a technique that is used in the development and test of complex real-time embedded systems. HIL simulation provides an effective platform by adding the complexity of the plant under control to the test platform.

Modern industries considerably depend upon complicated control systems. Tests using HILS are necessary for really credible and safe automated systems and have been used by NASA the aviation industry and the auto industry. They have been recommended as an industry standard





AR/VR Platform

AR (augmented reality) and VR (virtual reality) are two important industrial technologies which integrate computer-generated perceptual information into the real-world environment.

The market is growing rapidly and is already expanded to games, videos, entertainment, real estates, shopping and education areas.

N'THINK has recently made steady efforts to conduct R&D for hybrid location tracking technology combining GPS, acceleration sensors, gyroscope, RFID and wireless sensors in order to materialize 6 DOF and to develop natural UI technology using technology for recognizing voice and motions.

• AR Elevator Maintenance System

Using our AR Elevator Maintenance System, elevator service technicians can now visualize and identify problems ahead of a job, and have remote, hands-free access to technical and expert information when onsite, improving the way people and cities move.



AR (Augmented Reality)

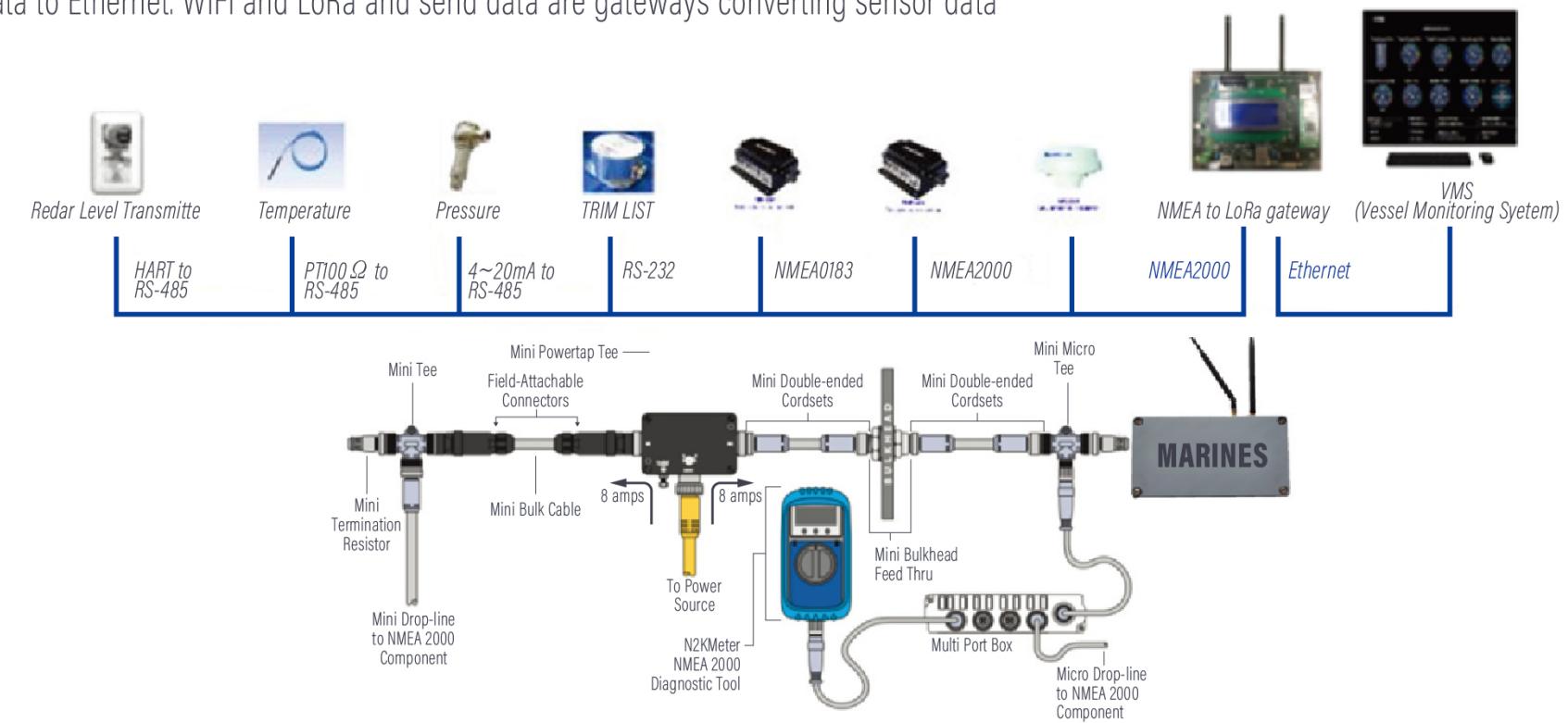
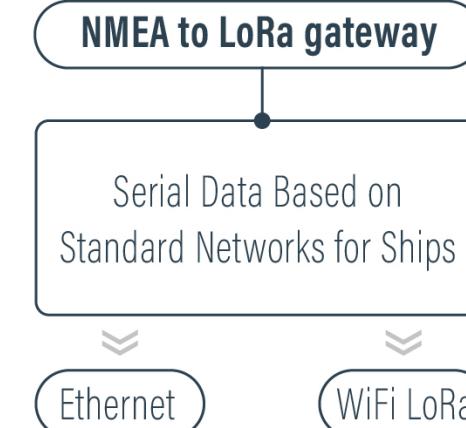


VR (Virtual Reality)



Marinex Products (NMEA to LoRa gateway)

NMEA to LoRa gateways which can convert standard networks of ships based on serial data to Ethernet, WiFi and LoRa and send data are gateways converting sensor data for various ships to signals and send them.



ROTEC

ROTEC
ENGINEERING

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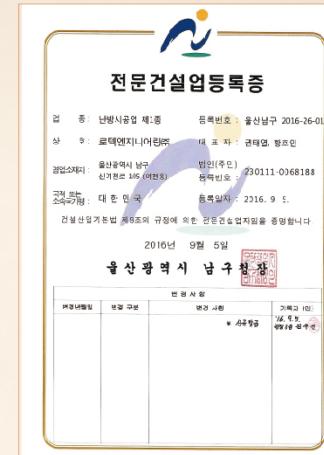
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R & D / CERTIFICATES



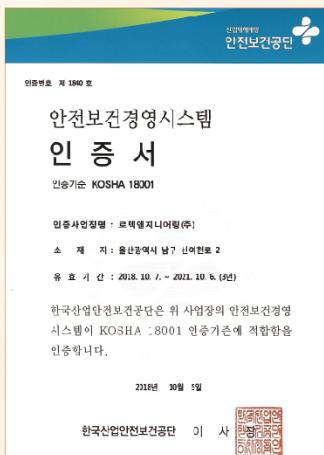
Construction/Certificates



Construction/Certificates



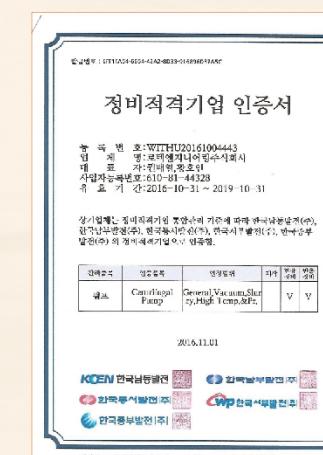
Quality/Certificates



Safety/Certificates



R&D Center/Certificates



Maintenance/Certificates

AWARD-WINNING

Date	Issuer	Award contents
2018	G-Hub Corporation	Safety/Quality Management (Daily Maintenance Part)
2018	S-OIL Corporation	Excellent Company In Safety Management
2018	President's Commendation	President's Commendation In Local Industry Promotion Part
2017	S-OIL Corporation	Successful Accomplishment of Regular Interval T/A
2017	Hyundai Oil Bank Corporation	Letter of Appreciation About Successful Accomplishment In Safety And Quality
2017	SK Innovation	Letter of Appreciation In Accomplishment of Successful T&I
2016	S-OIL Corporation	Excellence In Safety/Quality Management During T&I Period
2016	Ministry of Trade, Industry and Energy	Development Contribution In Industrial Area and State Economy
2015	S-OIL Corporation	Excellence In Maintenance In T/A Period
2014	S-OIL Corporation	Excellence In Work Safety Management
2012	SK Corporation	Excellence In Ulsan-SK CLX SHE Management
2011	Ministry of Knowledge Economy	Improve Corporate Competitiveness , Contribute National Industrial Development
2011	Ulsan District Office	Corporate Competitiveness, Community development, Job Creation
2011	SKC	Win-Win Cooperation between Company
2009	National Assembly of The Republic of Korea	Increase Productivity, Community Improvement, Job Creation
2009	S-OIL Corporation	Superior Example In Safety Management
2009	SKC	Successful Accomplishment of Regular Interval T/A
2006	SK Corporation	Successful Accomplishment of Synthetic Rubber Construction Factory
2006	Samsung Petrochemical Corporation	Qualified Vendor
2003	Samsung Petrochemical Corporation	Excellence In Skills & Safety Regulatory Compliance



ROTEC

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ENGINEERING

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History

- 2018 09. Received a President's Commendation In Local Industry Promotion part (CEO Hwang, Ho-in)
- 2017 09. Received an Award of Excellent Performance & Successful Accomplishment During Periods of Routine Maintenance
08. Establishment of Institute of Technology
01. Received a Letter of Appreciation In Successful Accomplishment of Safety/ Quality Part
- 2016 12. Received an Award of Excellence In Safety/Quality Management During T&I Period
11. Acquisition Of Certificate of Plant Maintenance Qualified Enterprises
10. Awarded Citation Of Development Contribution In Industrial Area and State Economy
09. Registration of GS Caltex Corporation partners
- 2015 12. Win The Grand Prize of Entrepreneur Awards In Nam-gu, Ulsan
11. Award A Certificate of Excellence In Maintenance During Periods of T/A
10. Accreditation of ISO 9001, KOSHA 18001
- 2014 12. Excellence In Work Safety Management During Periods of Maintenance
11. Awarded Accreditation of Work-Learning Dual System
(Human Resources Development Service of Korea)
- 2012 12. Received an Award of Excellence In SK-Ulsan CLX SHE Management
- 2011 12. Received an Award of Corporate Competitiveness, Community Development, Job Creation
04. Received a Letter of Appreciation In Win-Win Cooperation Between Company
- 2009 12. Awarded Citation of Increase Productivity, Community Improvement, Job Creation
Received a Letter of Appreciation of Superior Example In Safety Management
03. Received an Award of Successful Accomplishment of Routine Period Maintenance
- 2006 04. Received a Letter of Appreciation In Successful Accomplishment of Synthetic Rubber Construction Factory
06. Acquired Class A of Q-VENDOR Certification (Samsung Petrochemical Corporation)
- 2005 01. Establishment of Workplaces With Comprehensive Employment Insurance
- 2004 12. Acquired Class A of Q-VENDOR Certification (Samsung Petrochemical Corporation)
07. Listing to the Korea Industrial Complex Corporation
- 2003 06. Acquisition of ISO 9001 Certification
04. Received a Letter of Appreciation of Excellence In Skills & Safety Regulatory Compliance
- 2000 08. Foundation of Rotec Engineering Co, Ltd.

Clients

