

A leader of shipbuilding & offshore plant

JUN ENGINEERING



SHIPBUILDING/OFFSHORE
Basic/Production DESIGN
Technical Consulting



A future pioneer of shipbuilding/offshore engineering industry,
JUN ENGINEERING Co., Ltd. is here for you.

Everyone at JUN ENGINEERING pursues **coexistence with shipyards** through **reasonable and transparent ethical management**, and considers **customer satisfaction and reliability as our core value**.

Based on **confidence in the drawing quality and customer's trust**, JUN ENGINEERING is preparing for a new leap as the top engineering company through the development of various high value-added vessel types and endless efforts for cost reduction.

We will be the partner that prioritizes in more accurate and faster delivery in shipbuilding/offshore design by **pursuing the maximization of customer satisfaction**.

I sincerely appreciate our customers for their endless love and support, and will meet your satisfaction as the **top engineering company** and the best partner, through quality satisfaction and on-time delivery.

Please continue to support and trust our endless challenges.

We will overcome and become the best shipbuilding company that offers a total solution.

Thank you.

JUN ENGINEERING
CEO Jeon, Hyeong Jin

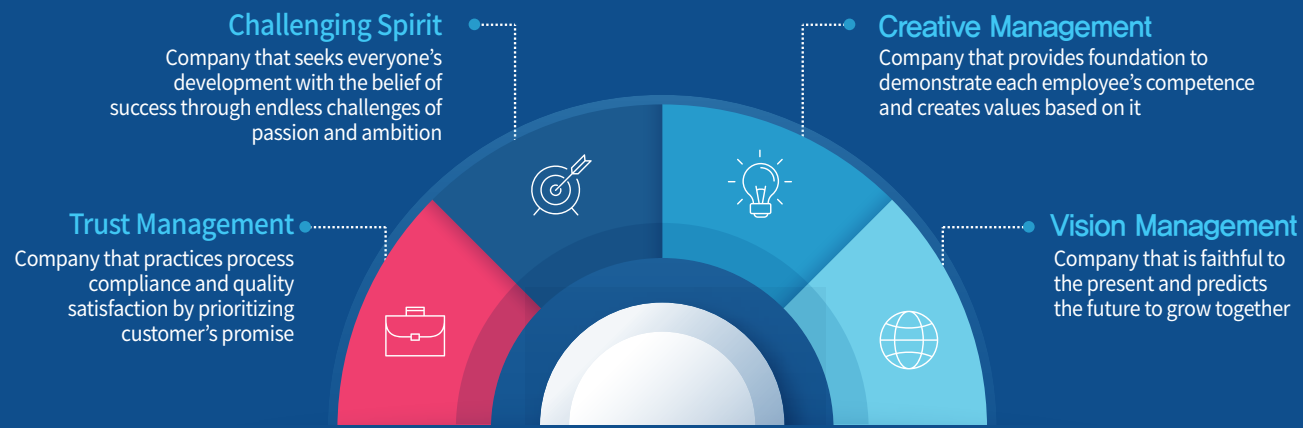
CEO Introduction



Jeon, Hyeong Jin / CEO

- Current) CEO, JUN ENGINEERING Co., Ltd.
- Former) Section Chief of Wiring Design, SPP Shipbuilding Co., Ltd.
- Former) Samsung Heavy Industries Co., Ltd. Marine Design Sector
- SME Technical Development Support Project Judge
- ISO 9001/14001 Screening Examiner
- Venture business certificate for Shipbuilding/offshore plant technical service (design)
- Designation as SME with Outstanding Employee Development
- Awarded Commendation from Ministry of SMEs and Startups(MSS)

Management Philosophy



History

2017

- 06 Established JUN ENGINEERING
- 09 Certified as venture business
- 10 Established R&D department
- 11 Registered as a member of Korea International Trade Association

2018

- 01 Established company research institute
- 05 Selected for 2018 Generation Convergence Start-up Campus Project (Ministry of SMEs and Startups)
- 07 Established smart factory
- 08 Developed cable program
Patent applied for method to measure cable in vessel (No. 10-2018-0096663)
- 10 Established a corporation
- 12 Won 2nd prize in Youngsan University Generation Convergence Start-up Campus Committee Investment Competition
Selected for Start-up Growth & Technical Development Project (MSS)
Attracted 100 million-won investment (Angel Club)
Applied for trademark (40-2018-0179681)
Designated as SME with Outstanding Employee Development

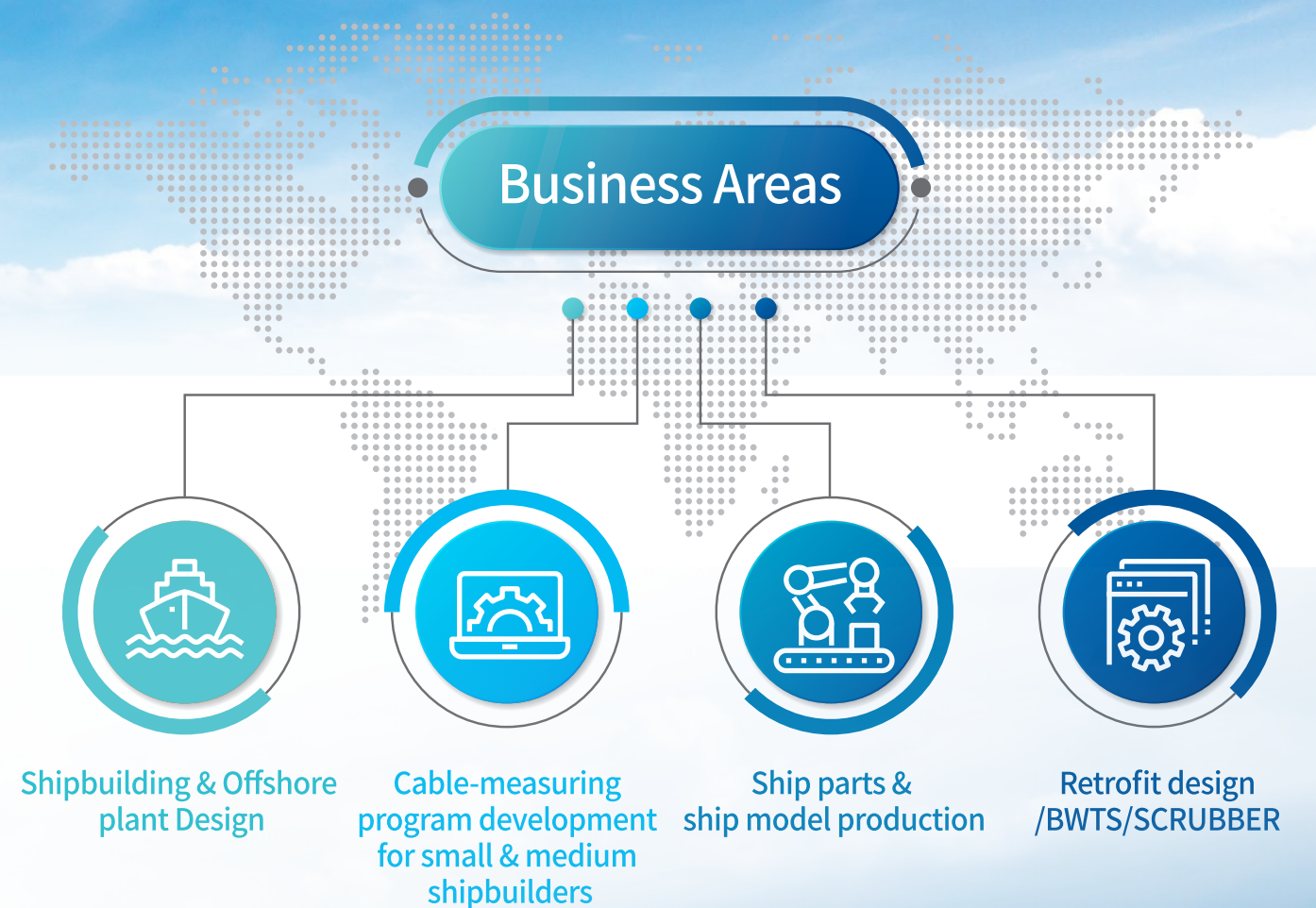
2019

- 05 Patent applied for model ship production method using 3D printer (10-2019-0051350)
- 07 Completed cable program development
Obtained ISO 14001:2015
- 12 Awarded Commendation from Ministry of SMEs and Startups(MSS)
Conducted CABLE PROGRAM Development
Certified as Family-friendly Company

2020

- 01 Opened Ulsan Chosun Offshore High Tech Town Branch
- 04 Selected as the 7th NEST by Korea Credit Guarantee Fund

Business Areas



Design Areas

1 Design ship types

- TANKER(Crude Oil Tanker, Product Carrier, Chemical Tanker)
- Container Ship, Bulk Carrier
- Offshore(Platform, Drill Ship, FPSO & FSU, Jack-up Rig, Semi Submersible Rig)
- Offshore Supply Vessels(AHTS)
- Fishery inspection boat, Fishery resource research ship, small merchant ship, barge, response vessel, coastal liner



Tanker



Bulk Carrier



Drill Ship



Container Ship



FPSO



Jack-up Rig



Semi Submersible Rig



Offshore Supply Vessel



Passenger Ship

2 Design drawing

- GENERAL ARRANGEMENT
- MACHINERY ARRANGEMENT
- CONSTRUCTION, ASSEMBLY DRAWING
- MIDSHIP SECTION & (TRANSVERSE) TYPICAL BHD CONST.
- DIAGRAM (PIPING, ACCOMMODATION, ELECTRIC) ARRANGEMENT
- INSTALLATION, MFG. DRAWING - All Area
- STANDARD DRAWING

Annual Capacity

1 General merchant ships(TANKER, BULK, Etc.) – 4 Project

- TANKER(Product, Chemical, Crude Oil Tanker, Etc.)
- Container Ship(1,700TEU, 2,500TEU, 3,600TEU, Etc.)
- BULK CARRIER(35K, 59K, 82K, 170K, Etc.)

2 Offshore, Offshore Supply Vessels (AHTS) – 1 Project

- PLATFORM, DRILL SHIP, FPSO & FSU
- JACK-UP LIG, SEMI SUBMERSIBLE RIG
- OFFSHORE SUPPLY VESSELS(AHTS)

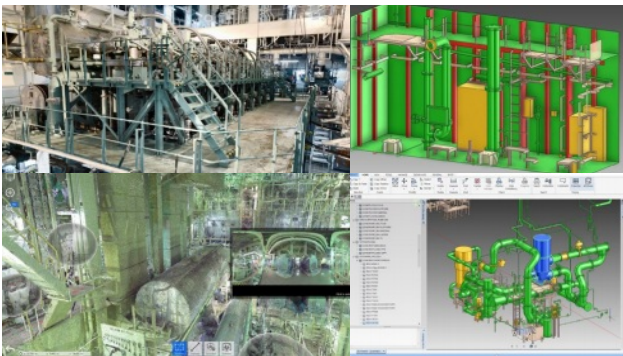
3 Small ships and special purpose vessels – 5 Project

- 3.5K, 6.6K, 11K, 13K Oil/Chemical Tanker
- Fishery inspection boat, fishery resource research ship, marine patrol ship
- Response vessel, coastal liner, barge



Retrofit Design

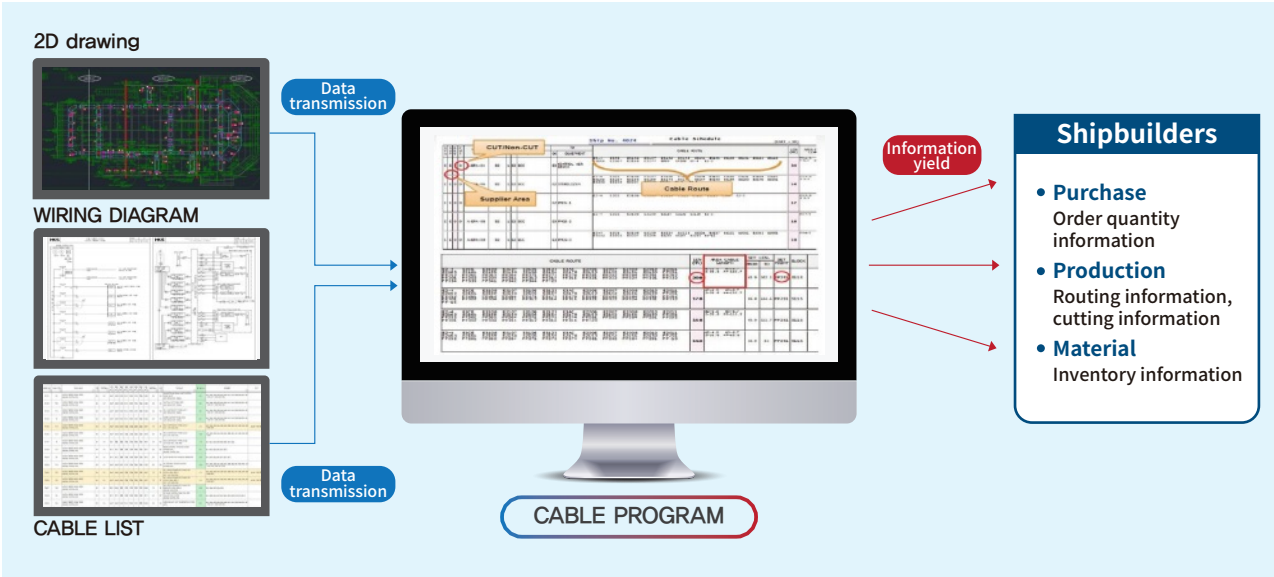
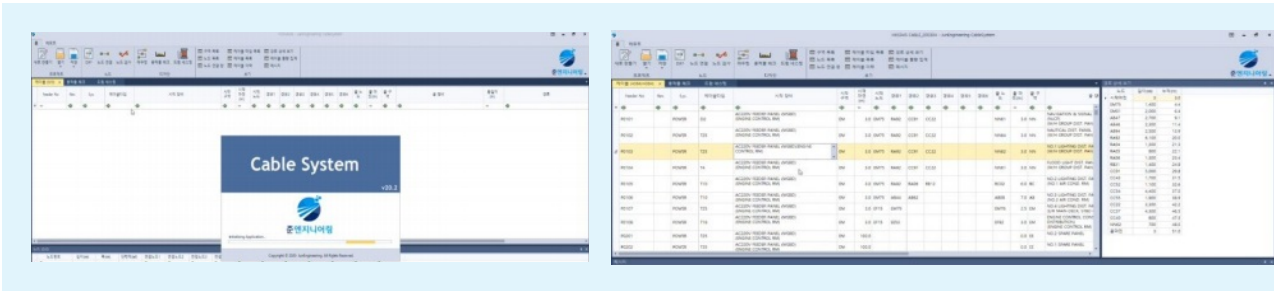
- | BWTs(Ballast Water Treatment System)
- | SCRUBBER



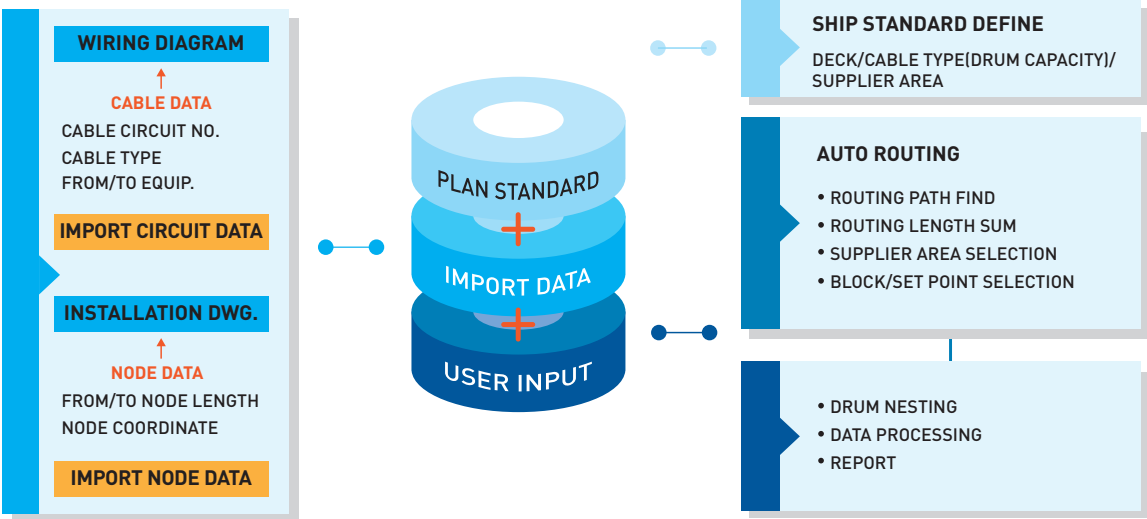
- Design work for remodeling related to scrubber installation in vessels
 - Design work for remodeling related to ballast water installation in vessels
 - There are many requests for quotations and consultations, and the market is rapidly expanding
- *Installation of BWTs is mandatory in about 50,000 vessels around the world, about 600 vessels expected in Korea

Cable Program for Small/Medium Shipbuilders

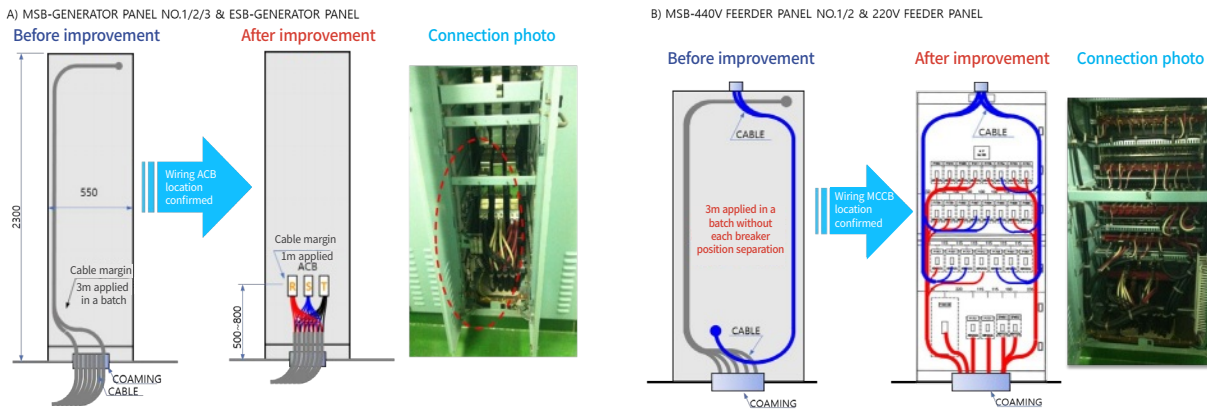
- | Program 20.2ver development completed



Program Construction



Measuring Improvement in Major Equipment (MSBD, CONSOLE, PANELS)



Main function Automatic recognition of breaker location through Diagram/Vendor DWG program analysis

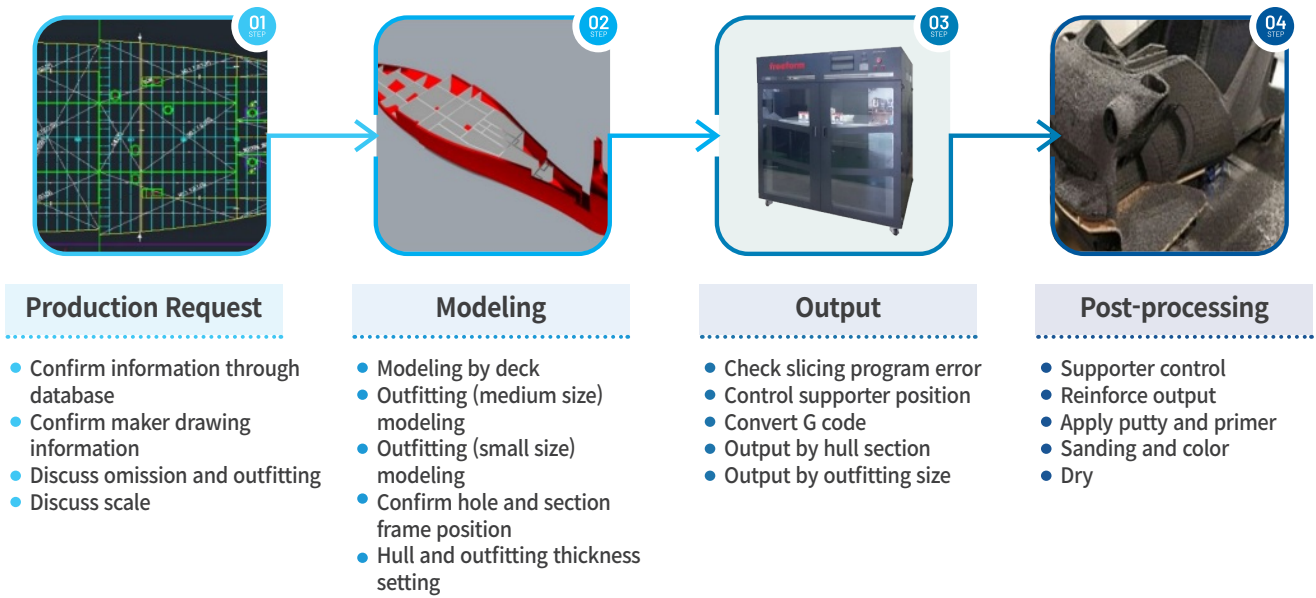
Intellectual Property Right

Name of Intellectual Property Right	Method of measuring cable length in vessel
Applicant	Jeon, Hyeong Jin (4-2018-046390-1)



Ship Model 3D Printing

Process Automation

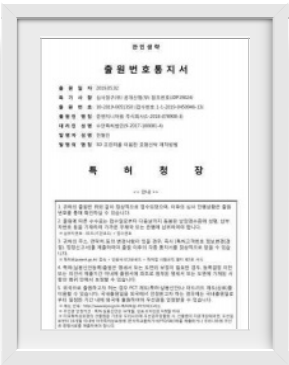


Ship Model Production Using 3D Printing



Intellectual Property Right

Name of Intellectual Property Right	Model ship production method using 3D printer
Applicant	JUN ENGINEERING Co., Ltd. (1-2018-078908-3)



Shipbuilding equipment and ship model using 3D printer

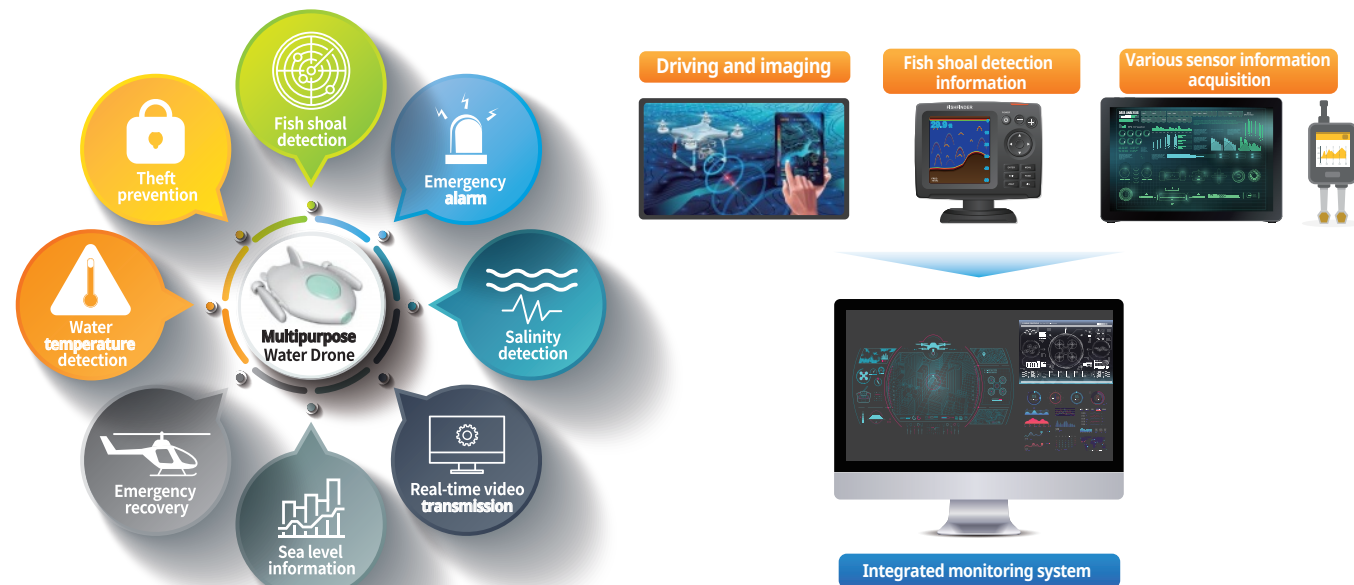


- Maintenance operator can perform equipment inspection and vessel maintenance/repair without deep understanding in vessel or engine, by obtaining the necessary data immediately
- Maintenance record is saved in the server and removes unnecessary waste factors in maintenance data collection even if maintenance operator changes or maintenance log is lost

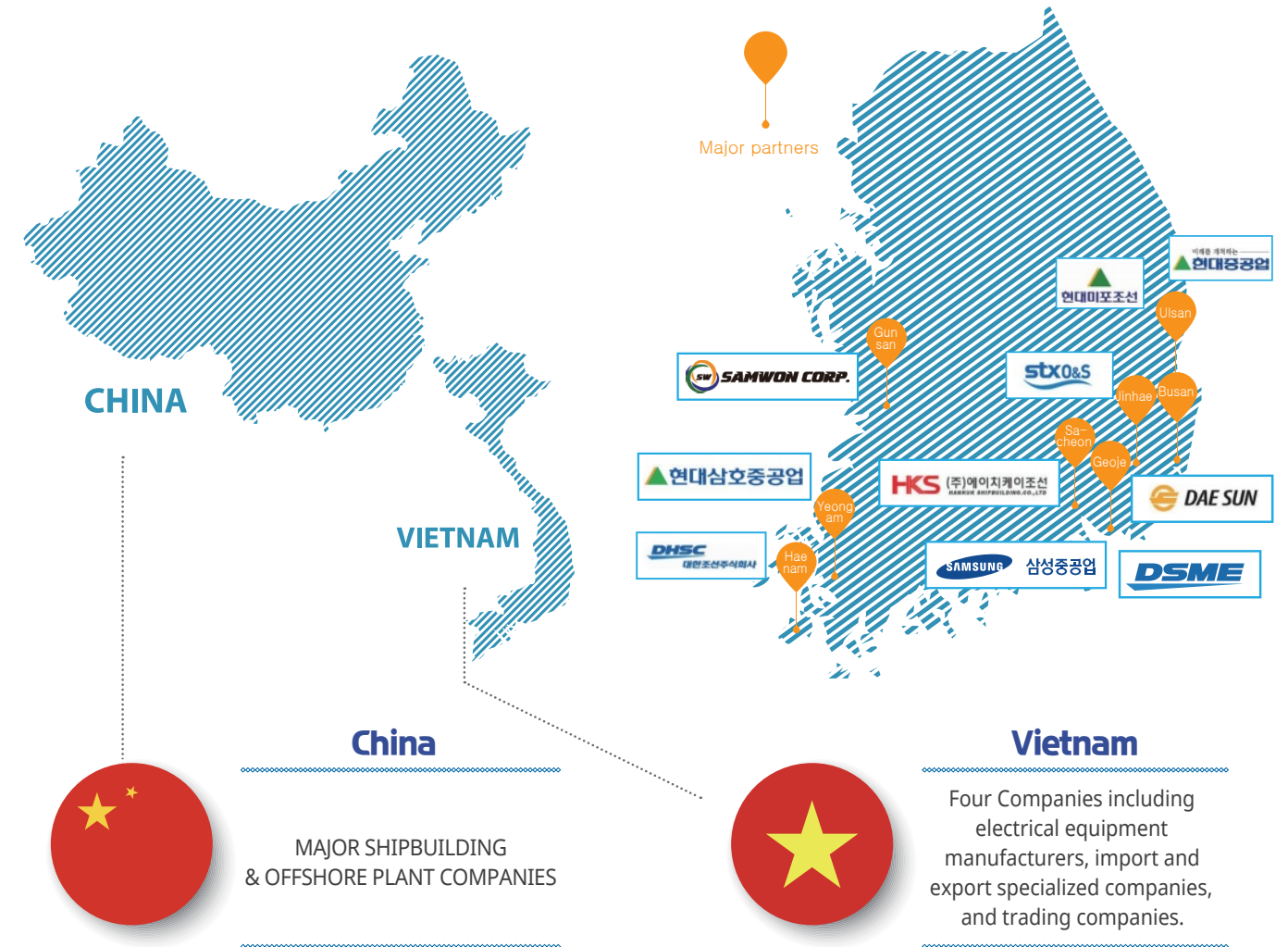


Design details

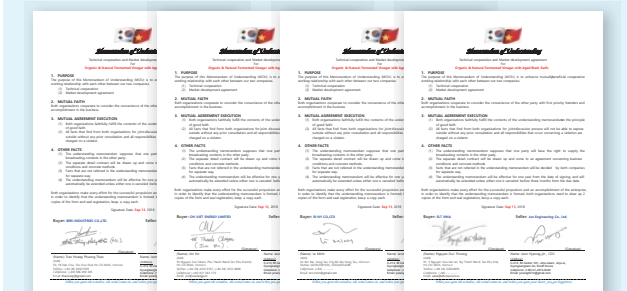
- Fishery & fish farm management (water temperature check, salinity check, fish shoal detection)
- Stable operation through outstanding restoration even if it is flipped
- **Sea theft prevention**
- **Automation of aquaculture through detachable feedbox**



- Outstanding-quality design (hull fitting) turnkey agreement, design/ship model/cable program package sales



HUDONG ZHUNGHUA SHIPBUILDING CO.,LTD /
DALIAN SHIPBUILDING INDUSTRY CO.,LTD /
SHANGHAI WAIGAOQIAO SHIPBUILDING CO.,LTD]



[BERI INDUSTRIES CO.,LTD / CHI VIET
ENERGY LIMITED / RI NY CO.,LTD / SLT VINA]

Equipment



- AUTO CAD
- Gstar CAD
- MS OFFICE
- Rhinoceros
- Hancom OFFICE
- TRIBON
- AM(AVEVA MARINE)
- Simplify3D

- i5-7600 PC
- Multifunction Printer(Samsung)
- HP Design Jet T-730 Plotter
- Color Laser Printer(Samsung)

Korea's largest 3D printer (FDM-type)



In-house server



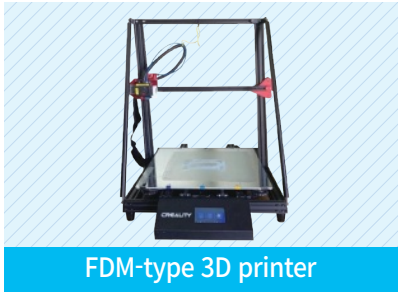
3D printers and other equipment



SLS-type 3D printer



FDM-type 3D printer



FDM-type 3D printer



Resin 3D printer

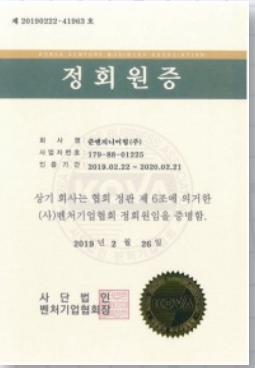
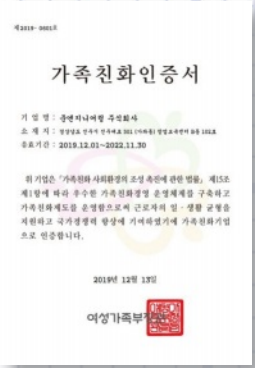
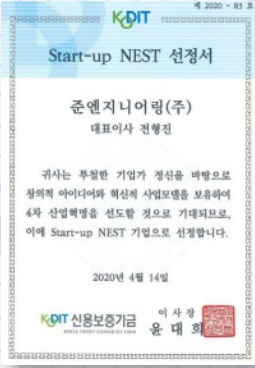
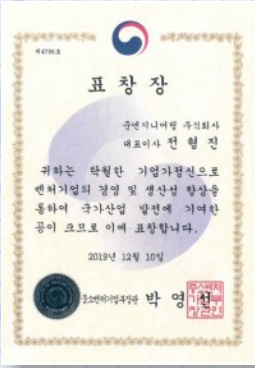
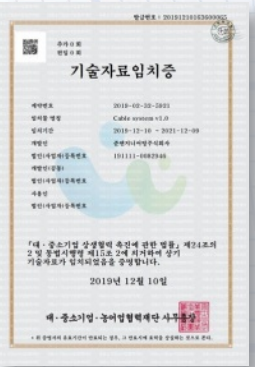
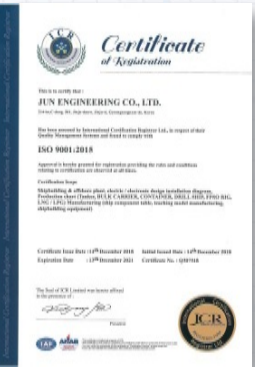


Compressor



UV hardener

Certificates





Headquarters

#B-102/103, 501, Jinju-daero, Jinju-si, Gyeongsangnam-do, Republic of Korea
(Gyeongsang National University BI Center)

Ulsan Branch

16, Techno saneop-ro 55beon-gil, Nam-gu, Ulsan, Republic of Korea
(shipbuilding & marine high-tech Town 605)

T +82 55-761-0635

F +82 504-473-0607

E juneng0214@naver.com