



Leader in shipbuilding and
maritime industry apparatus

JD Co.,Ltd.



Multi-purpose maritime drones
Ship structural parts manufacturing
RETROFIT design
shipbuilding & maritime industry

Introduction to CEO



Park Joonggun, CEO

- ▶ Current CEO of JD Co., Ltd.
- ▶ A member of the Small and Medium-size Business Technology Development Support Program Appraisal Board
- ▶ Former director of SPP Shipbuilding CO., Ltd. R&D Center Electric / Outfitting designer
- ▶ Received the Achievement Award from SPP Shipbuilding Co., Ltd.

With more than 10 years of experience in ship design, has accumulated knowledge in related design technology (conducted shipbuilding/maritime plant-related work)

01

Acquired design technology that saves costs through extensive experience in designing more than 200 ships of different varieties.

02

Capable of handling S/W, including design modeling tools such as TRIBON M3, AVEVA MARINE, E3D, TTM, CAD, etc.

03

Certified Professional Electrician, Electric Work Professional, Firefighting Equipment Engineer, etc. Skills to build and install electric equipment

04

JD Co., Ltd. was established in 2017 based on its shipbuilding business, and is currently growing and developing into shipbuilding/maritime plant design, ship structural parts manufacturing, and other adjacent industries.

We at JD respect our customers' time and values, and our core value is to deliver customer satisfaction and earn their trust through transparent and proper management. We will continue our efforts in technology development and innovation to maintain our position as a leader in the shipbuilding and maritime apparatus industry that delivers the best value to our customers.

We seek to realize our dream of a better future based on the convergence of the past with the future industry in alignment with the 4th Industrial Revolution, and our fearless spirit of challenge and cultivation of a rational corporate culture. We will also play a leading role in creating new, quality jobs and realizing social values.

We thank you in advance for your continued interest and support for JD, and we will work tirelessly to reinvent ourselves as the best leader in the shipbuilding and maritime apparatus industry.

Be well, and we wish you happiness.
Thank you.

JD Co., Ltd.
Park Joonggun, CEO



Management philosophy

1 Customer's life-long partner that's always dependable, a leader in the shipbuilding and maritime apparatus industry with a firm grip on technology and management that puts customer satisfaction.

2 A company that satisfies customers and contributes to their well-being by providing safe, eco-friendly, economic, and convenient apparatus and equipment.

3 A company that seeks unchanging values that underlie the corporate culture, with ways of thinking and behaving shared by all of its constituents.

4 A company that maximizes value through sustainable management, based on transparent and exemplary organization management and mutual growth with its stakeholders.





Business areas



Multi-purpose
maritime
drone



Ship structural
parts
manufacturing



RETROFIT
design



Shipbuilding/
maritime plant
design



2017



- 06 JD Engineering established
- 11 Registered as a member of Korea International Trade Association

2018



- 06 Established plant
- 07 Became a member of Gyeongsang National University's Industrial-Educational Cooperation Group
Sign-up Youth Tomorrow Fill Deduction
- 08 Established R&D department
- 09 Certified as a venture startup
- 10 ISO 9001 : certified in 2015

2019



- 06 Implemented smart plant
Selected for Initial Start-up Package Program
- 07 ISO 14001 : certified in 2015
Established corporate R&D center
- 08 Applied for patent/trademark for its ship apparatus manufacturing methods that use eco-friendly materials and 3D printing
- 11 2019 Received Excellence Award in the Dongnam WiseU Investment Contest
- 11 Applied for maritime drone patent
Applied for maritime drone design patent
- 11 Selected for Start-up Growth & Technical Development Project(MSS)
- 12 Secured private investment(50M KRW)

2020



- 01 Converted to JD Co., Ltd.
- 03 Sign-up Tomorrow Fill Deduction for young workers
- 05 Registered maritime drone design



Ship design

○ Types of ships designed

Merchant
ships
4 Projects
/year



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

Offshore/
Offshore
Supply Vessel
1 Project /
year



- ▶ PLATFORM, DRILL SHIP, FPSO & FSO
- ▶ JACK-UP LIG, SEMI SUBMERSIBLE RIG
- ▶ OFFSHORE SUPPLY VESSEL(AHTS)

Small
merchant ship
and special
purpose ship
5 Projects /
year



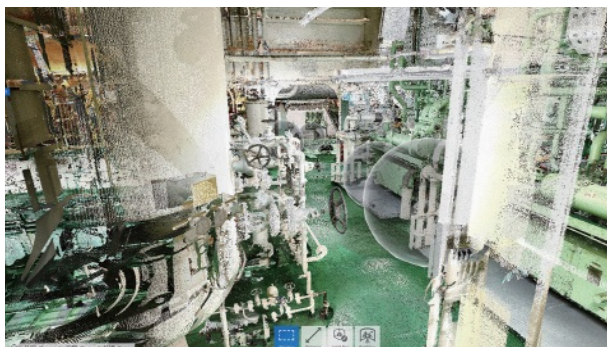
- ▶ 3.5K, 6.6K, 11K, 13K Oil/Chemical Tanker
- ▶ Fishery patrol ship, marine science inspection ship, maritime police patrol boat
- ▶ Response vessels, coastal liners, barge





Retrofit design

- BWTS(Ballast Water Treatment System)
- SURUBBER Desulfurization equipment



- ▶ Flight vessel installation related Conducted retrofit construction design task



- ▶ Flight vessel ballaster water installation related Conducted retrofit construction design task

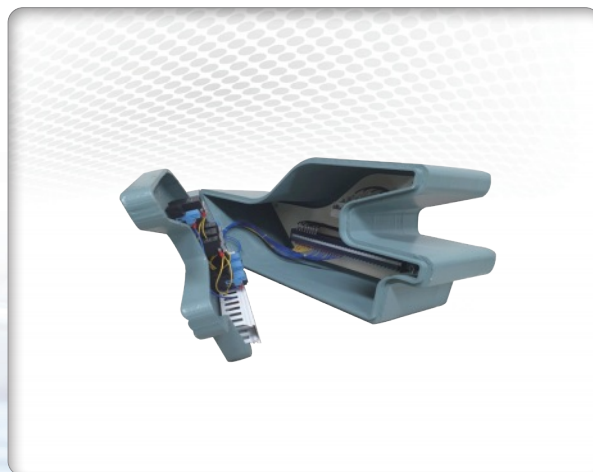
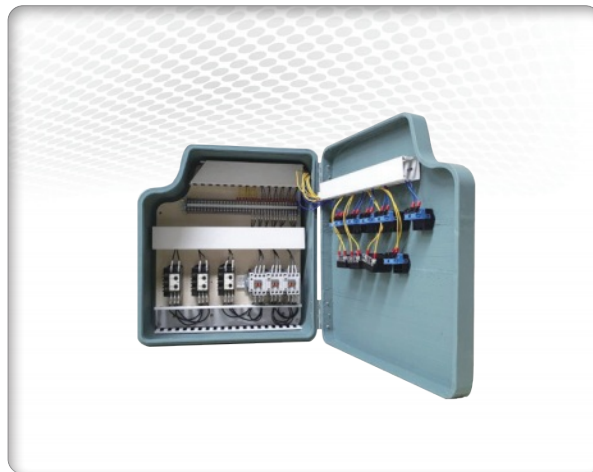


- ▶ Flight vessel additional equipment installation/ repair Conducted related retrofit construction design task

* Installation of ballaster water treatment systems on approximately 50,000 global vessels mandated, installation of approximately 600 vessels required domestically.

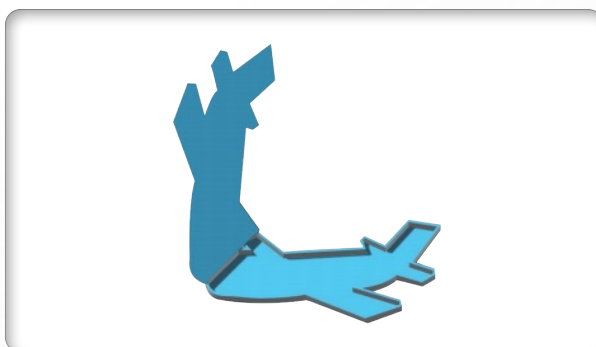
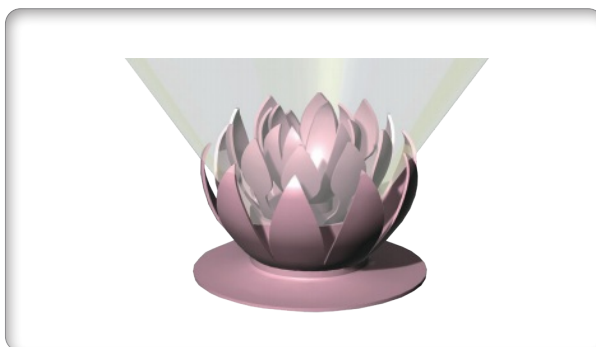
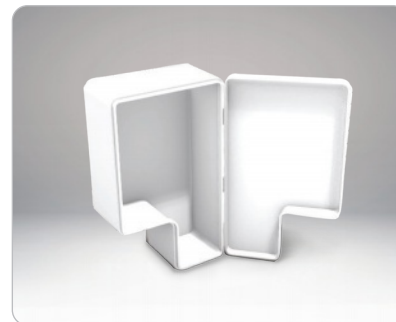
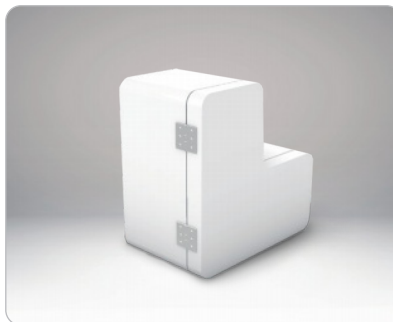
Shipbuilding apparatus using 3D printers

○ Eco-friendly electric panels using 3D printers





○ Status of competitive products and differentiation strategy



01

Capable of building special models that meet customer needs

02

Increased efficiency with 80% weight lightening relative to existing steel materials

03

Cost reduction of 30% through processing improvement

04

Less harmful and more safe due to the use of eco-friendly materials



Multi-purpose maritime drones

- ▶ Fishery and aquafarm management (temperature check, salinity check, fish detection)
- ▶ Stable operation possible even after it capsizes due to its superior restoration functionality, preventing maritime burglary
- ▶ Automated aquaculture through detachable fishery feedbox



○ Maritime drone development

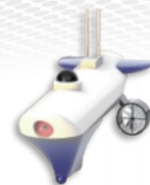
1st
stage
development



2nd
stage
development



3rd
stage
development

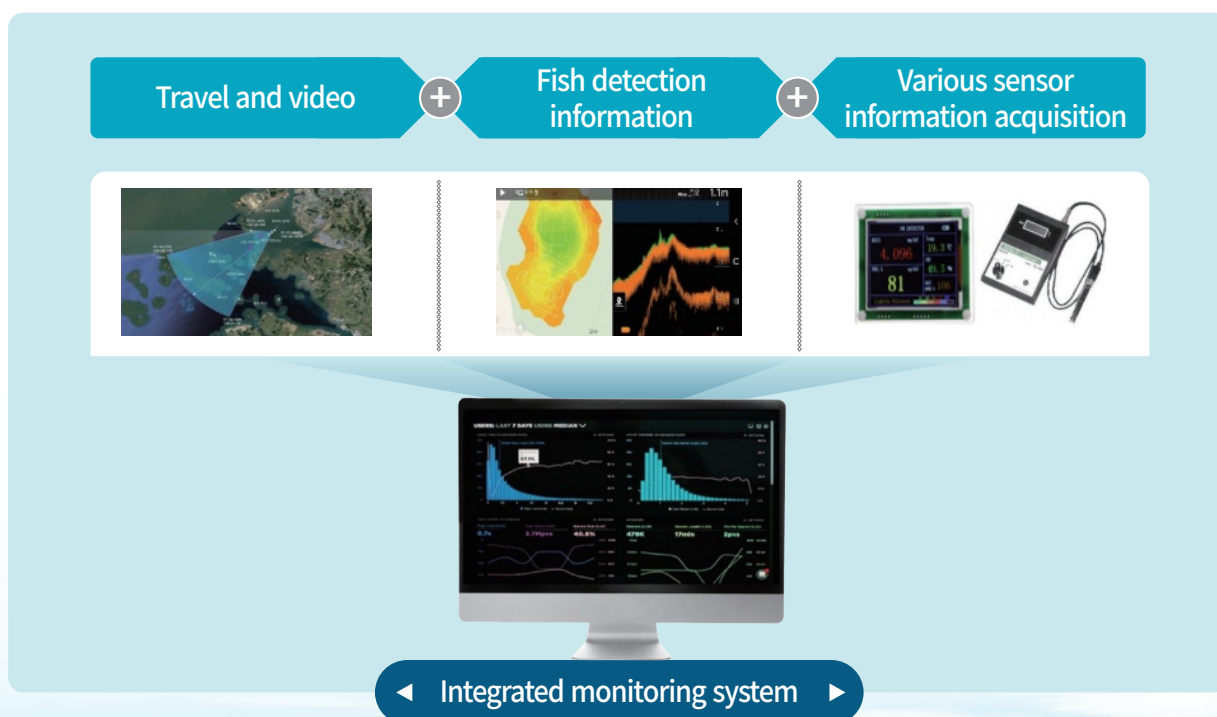




- Maritime drone capable of observing and analyzing weather and maritime information in real-time



- Integrated monitoring system capable of remote control and route travel





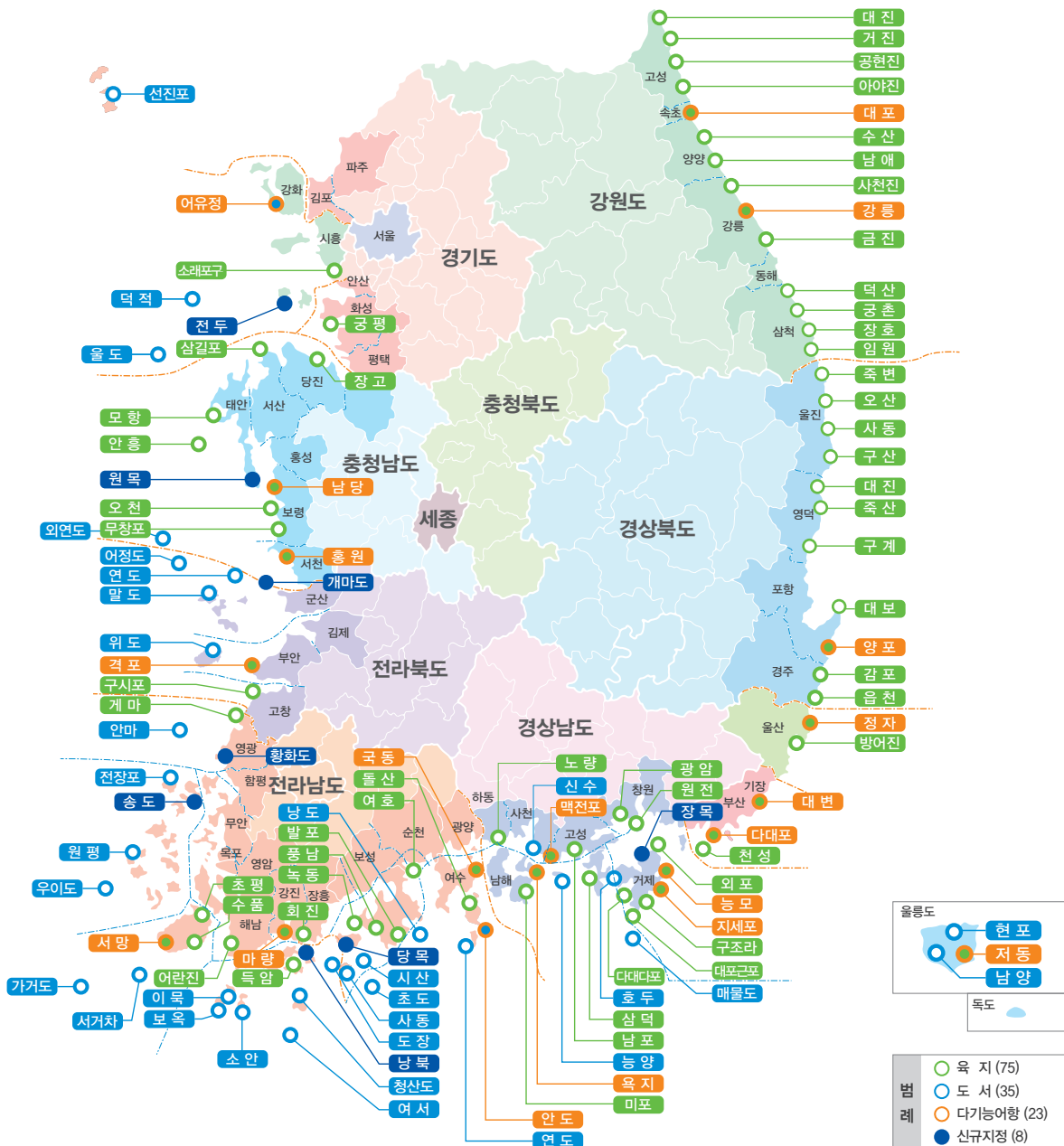
Domestic market landscape



2,029 domestic fishing village societies



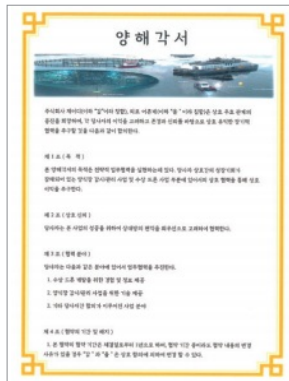
13,027 domestic fisheries



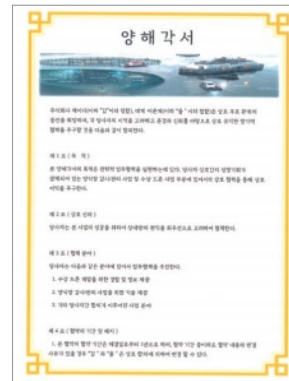
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신규지점	8	－	1	－	－	－	1	1	4	－	1	－



○ Status of collaborative fishing village societies



Oepo fishing village society MOU



Daegye(Southern) fishing village society MOU



○ Cooperative organizations

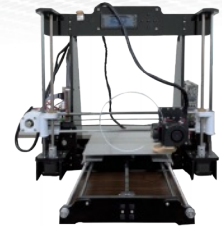


Equipment status

○ 3D printers



Large FDM type



FDM type



Resin type



SLA type



UV hardener



Compressor

Tools



Simplify 3D



Rhino 5

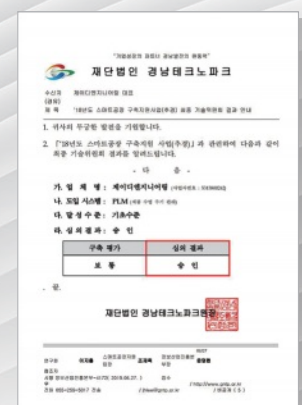
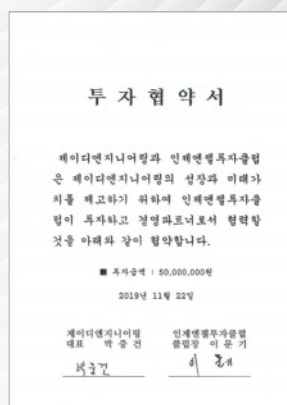
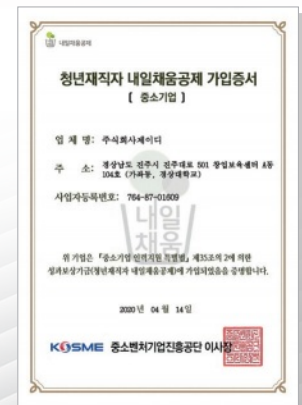
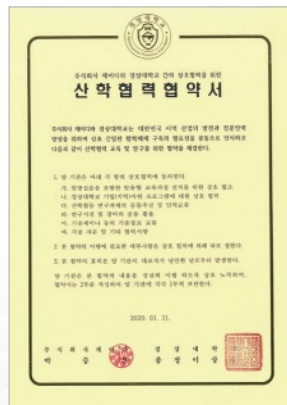
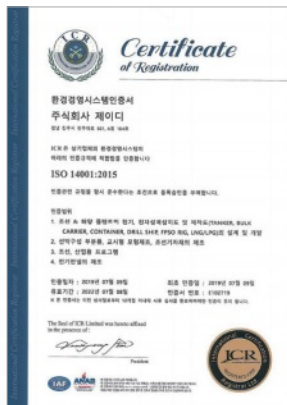
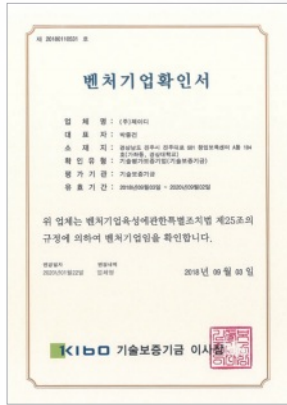


Gstar CAD



TRIBON

Certifications





Leader in shipbuilding and
maritime industry apparatus

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