

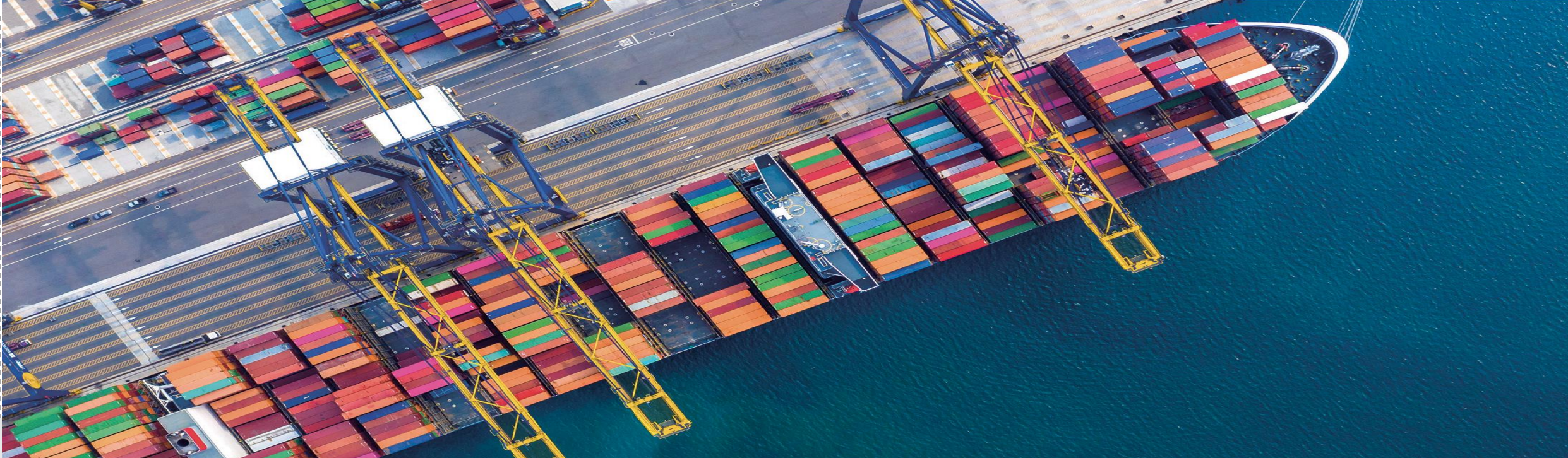


MARERP

Design quantity management program optimized
for the shipbuilding industry



JD Co.,Ltd.



Design quantity management program optimized for the shipbuilding industry

Our design quantity management program is an optimized design quantity management program for the shipbuilding industry that can manage complex processes such as design quantity management, sales management, and production management in an integrated way by convergence of the 4th industry, a promising industry.

JD Co.,Ltd.

- About Us
- Company Name JD Co.,Ltd.
- Founding Date 2017. 06. 07.
- CED Parkjoong gun



A company specializing in water drone development that can manufacture eco-friendly shipbuilding equipment, manage fish farms, and observe the ocean.



- Our vision is to respect our customer's time and value, provide customer satisfaction and gain trust through transparent and appropriate management.
- We will continue to strive for technology development and innovation as a leader in the shipbuilding marine equipment industry that provides the best value to our customers.

Company status

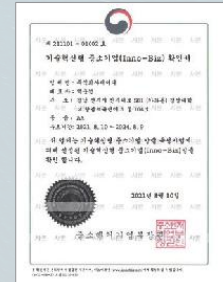
Shipbuilding design/ R&D company

With 18 years of shipbuilding/offshore plant design technology and experience in designing more than 200 ship types, we have cost-saving design technology.

Also in line with the 4th industrial revolution, we want to realize our dream for a better future based on the convergence of past and future industries and the challenge and nurturing of a rational corporate culture.

- Electrical equipment manufacturing and installation technology
- Experience in designing more than 200 ship types
- Possess cost-saving design technology
- Available Tools :
TRIBON M3, AVEVA MARINE, E3D, TTM, CAD , etc.

Certifications held



Certification as an Inno-Biz



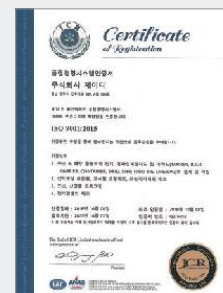
Certification as an venture enterprise



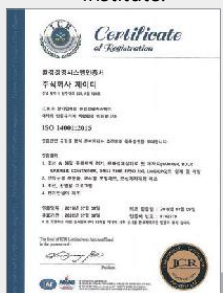
Minister of SMEs and Startups Award.



Certificate of Corporate Research Institute.



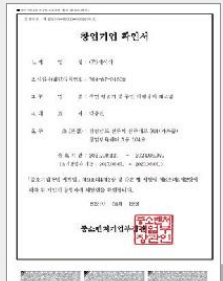
ISO 9001



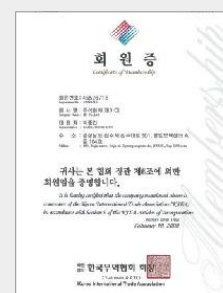
ISO 14001



Family-friendly certificate.



Certificate of start-up company.



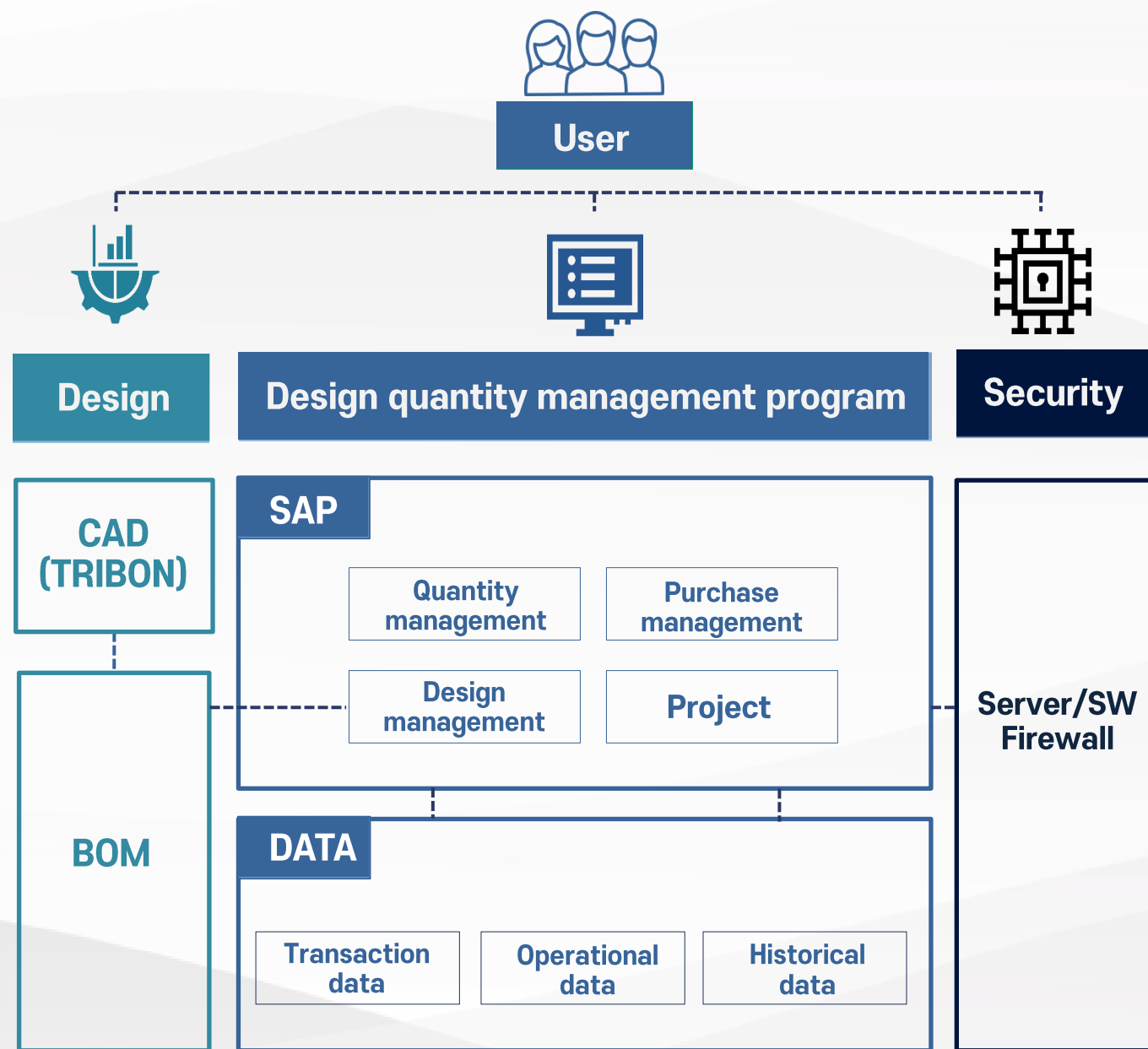
Trade Association membership card.



Gyeongsang National University Industry-Academic Cooperation Agreement.

Item description

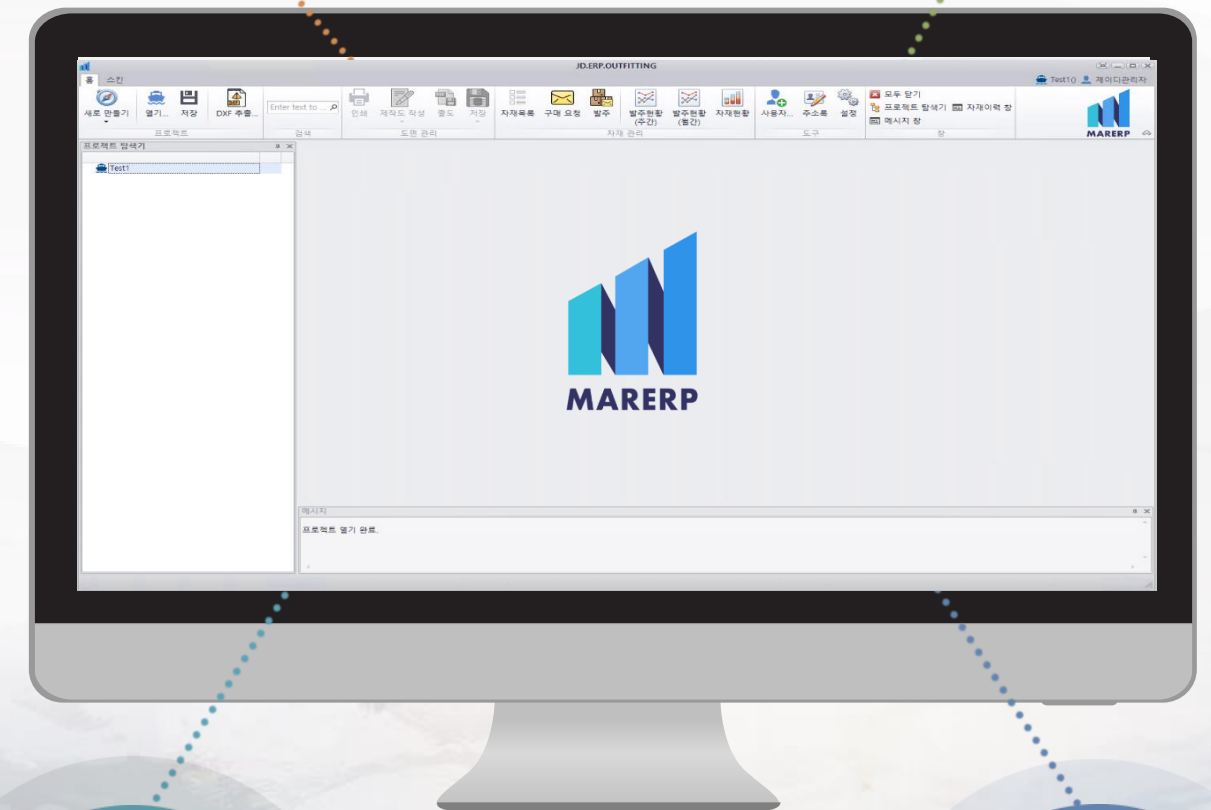
A shipyard that can manage complex processes and various quantities in an integrated way Volume management program with standard process applied



[Program process]

01.
General company/
manufacturing
Shipbuilding industry
focused on related
programs.

02.
design drawings and
Quantity management
computerized
program.

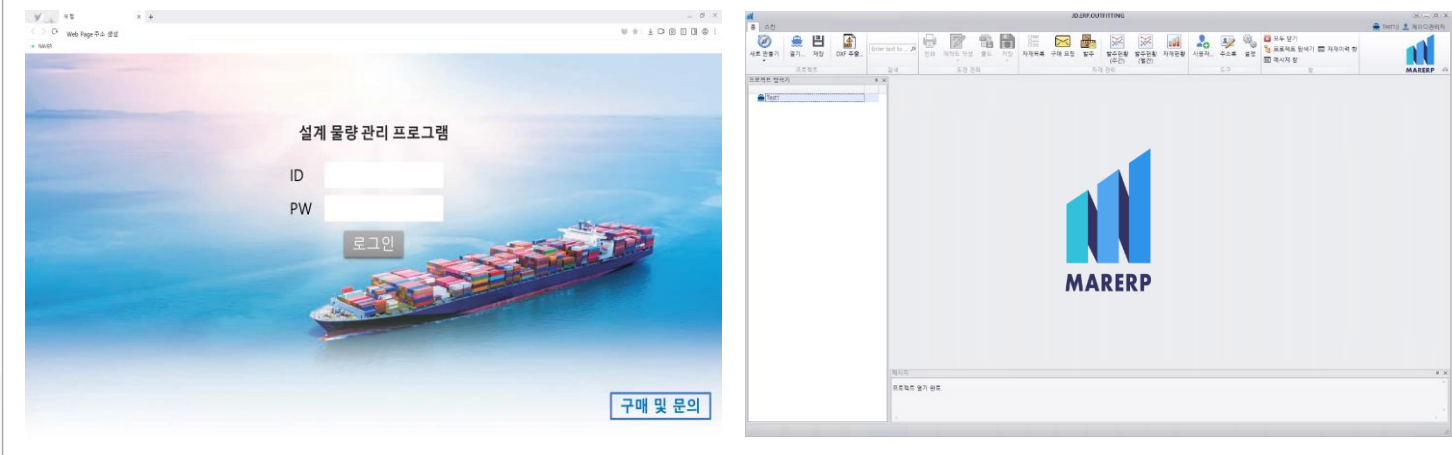


03.
existing
commercialized
Compatible with
design software
possible program.

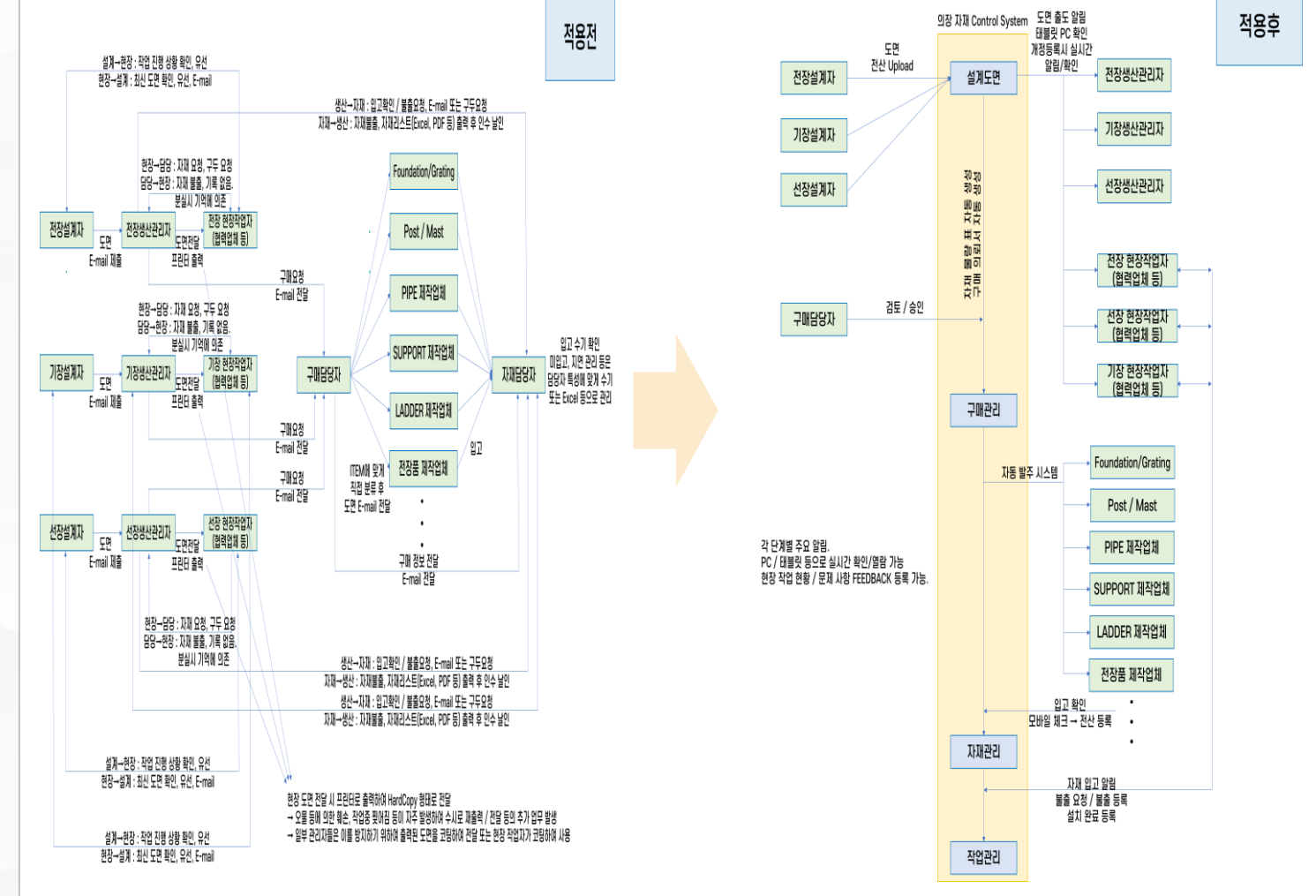
04.
By building only
the core functions
of shipbuilding,
Reduce program
adoption costs.

Item features

Design quantit ymanagement for ship building



Volume management process before and after system introduction



Prototype software

- Extract necessary information through text mining in conjunction with design drawings.
- Automatic classification according to the classification system of the shipbuilding industry.
- Editing drawings on software and converting them into a document format suitable for user needs.

Optimized for the shipbuilding industry Building various modules and functions

- Development of design drawing-based quantity and purchase management functions.
- Design and build a quantity management system.
- Establishment of input resource management function.

software Build a security solution

- Databaseization through server construction.
- Establishment of data management system for each ship type and ship type.
- Build server and software firewalls.

2D CAD

Can be operated without a separate program

Introduction price of about 30 million won

Design quantity management

Product performance



Real-time
monitoring quantity
management
program



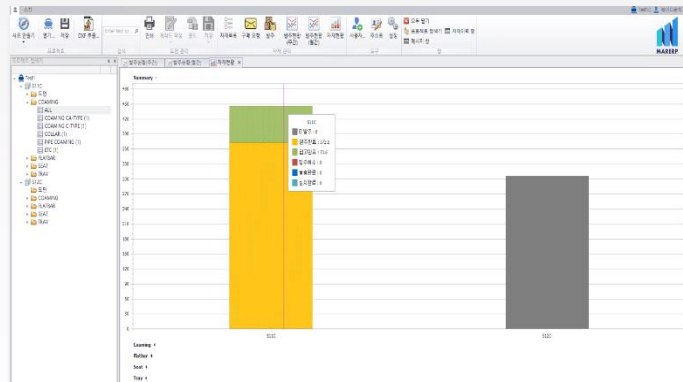
Minimize
the burden of
introduction cost



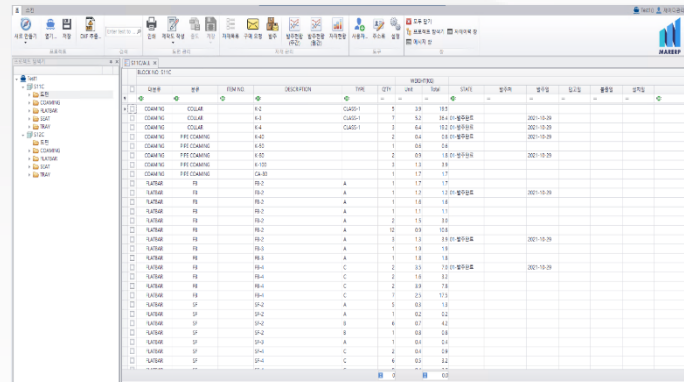
Maximize the
efficiency of
quantity
management



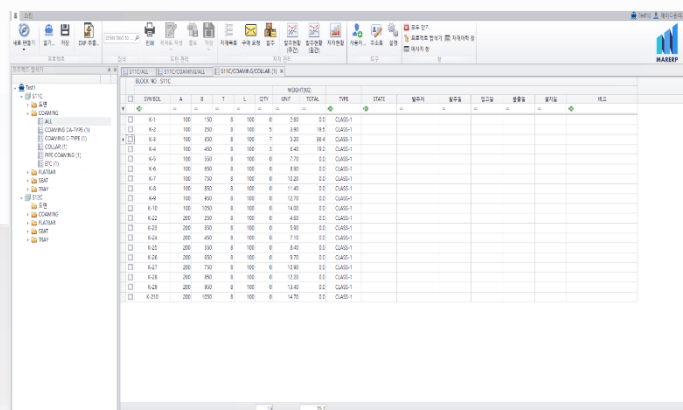
Small and medium-
sized shipyard
customized design
quantity management
program



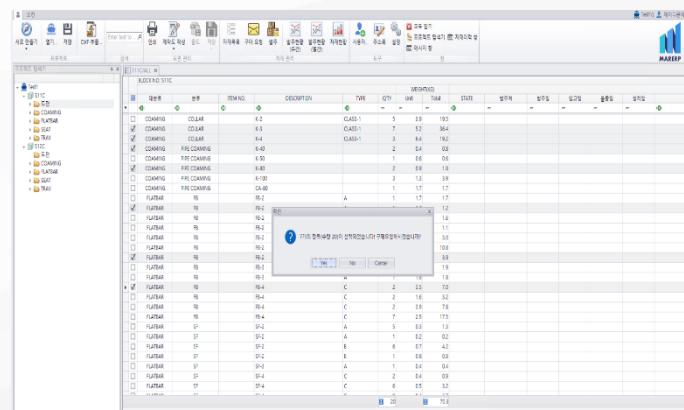
Resource management



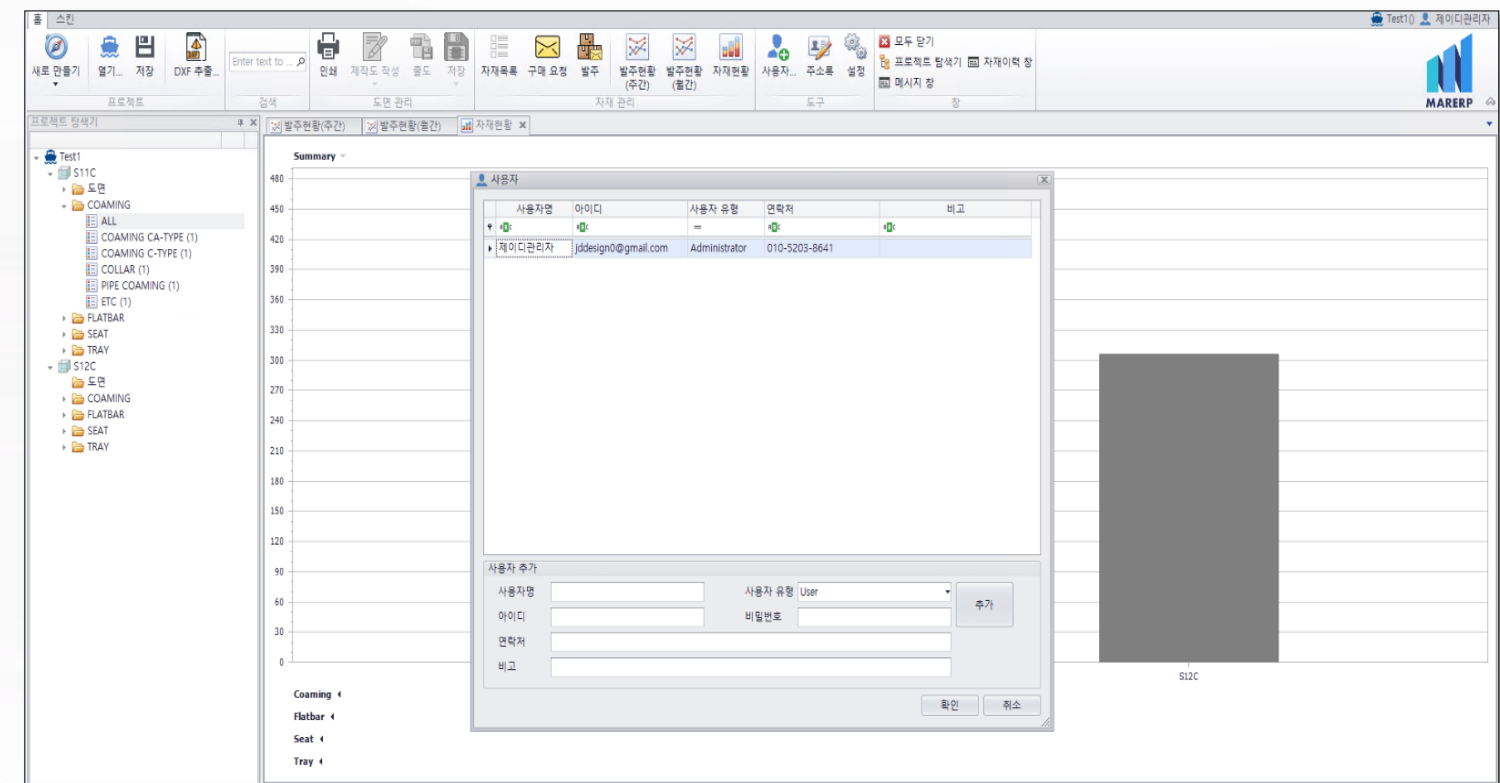
Order management



Material management system



Work management system



- Accurate history management and security issue are resolved through our program for issues such as order/order and customer management that were conducted through e-mail.
- It is possible to link the design program that has been separated because it is difficult to link and the self-purchase management program.
- Improvement of the existing work system, which used to manage quantity and purchases based on manual work.
- After the introduction of our system, various difficulties such as the number of input hours, the occurrence of an emergency quantity, and excessive margin are resolved.
- Low introduction cost is applied by building only essential functions such as quantity management and purchase management.

Our business area

Shipbuilding/Offshore plant design



1. Merchant ship

- ▶ 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) – 1Project

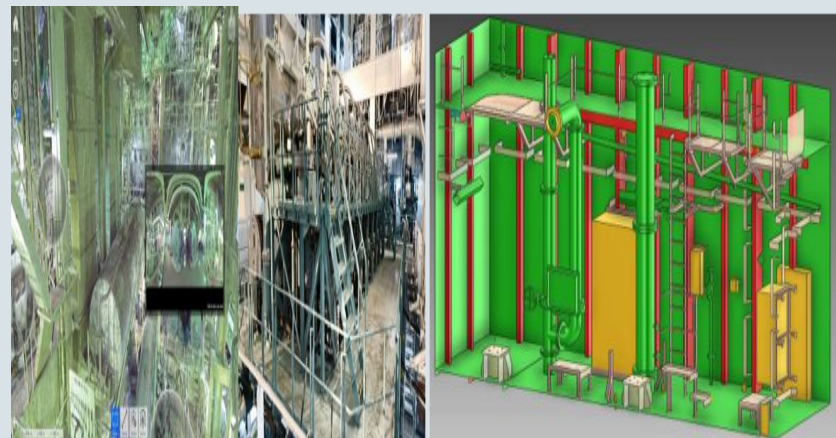
- ▶ PLATFORM, DRILL SHIP, FPSO & FSU
- ▶ JACK-UP LIG, SEMI SUBMERSIBLE RIG
- ▶ OFFSHORE SUPPLY VESSELS(AHTS)



3. Small merchant ships and special purpose ships– 5Project

- ▶ 3.5K, 6.6K, 11K, 13K Oil/Chemical Tanker
- ▶ Fishery guidance ship, fishery resource survey ship, Coast guard ship
- ▶ Response vessel, Coastal passenger ship, barge

RETROFIT Design



- ▶ Carrying out design work for remodeling work related to the installation of desulfurization equipment on operating ships
- ▶ Performing design work for remodeling work related to ballast water installation on operating ship

Our water drone

In case of capsizing in an unstable marine environment, it self-restores and is equipped with temperature/salinity measurement, video recording/transmission, remote control, and autonomous driving functions.

- ▶ Real-time observation of weather and ocean information
- ▶ Remote control and automatic route navigation system
- ▶ Structural design to minimize the possibility of overturning in an irregular marine environment
- ▶ Water drones for coastal surveillance and protection of water resources

Water drone core technology



3DModeling



Finished product

DRONE OPERATION PERFORMANCE

Maximum speed	5m/s ~ 10m/s
Maximum flight time	5h or more
Remote adjustment range	Remote control and route operation functions
Recovery time after capsizing	Whithin 30 seconds
Advanced surfaced management	IP X7

- ▶ Autonomous operation and failsafe functions
- ▶ Real-time video transmission functionality
- ▶ Water temperature/salinity/fish detection technology
- ▶ Ship-type design to allow for autonomous recovery

Water drone development capability



Vessel collision prevention and recognition system



Navigation control system to prevent ship collision



Obstacle detection device and method



Underwater object detection system and method therefor



Design registration



How to monitoring a farm using a water drone



Water drones that can be operated 24 hours a day