

Marinesoft



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MARINESOFT

MARINESOFT IS INTERACTIVE AGENCY. LEADING A NEW GENERATION OF CREATIVE
MARKETING, CONSULTING AND MEDIA AGENCIES DESIGNED TO UNLEASH THE FULL POSSIBILITIES OF A DIGITAL AGE.

Historical Development

General Information	
Name	Marinesoft CEO Jae In, LEE
Established	Nov. 1999
Mar. 2017	Contracted by DSME(Seadrill and Sonangol) to supply Drill ship's PMS
Dec. 2016	Contracted by Dongwon Industry Co., LTD to develop the PMS and storage management system
Aug. 2016	Selected by the Small and Medium Business Administration's STX Marine service's new product development.
July. 2016	Participated in Korean e-navigation service development program by Ministry of Maritime Affairs and Fisheries
Feb. 2016	Signed technology development and cooperation agreement with Ulsan marine pilot association
Dec. 2015	Selected by KIPST for IP R&D strategy support business
Jun. 2015	Selected by KIMST for "Marine industry technology development business research"
Oct. 2014	Approved by NK for PMS solution 8.0
Jun. 2012	Won Ministry of Land, Transport and Maritime Affairs R&D award.
Nov. 2011	Certificated GS(Good Software) [TTA 11-0241]
Feb. 2008	Certificated PMS program by NK
Jun. 2007	Nominated leading company in ICT in Busan city
Nov. 2001	Established Laboratory # 20013115
Nov. 1999	Established Marinesoft



Divisions



Marine ICT Software Development

- ✓ NMEA2000 Wireless gateway system
- ✓ Electrical nautical chart system for smart appliances
- ✓ Monitoring system for vessel berthing
- ✓ Real time monitoring system for lights and buoys



Ship management and company ERP SYSTEM

- ✓ PMS (Preservation Maintenance System)
- ✓ MARINER – HR and accounts system
- ✓ VIQ – Pre-survey system for special vessel
- ✓ Storage management system for marine plant



Development of customized package software

- ✓ Storage management system
- ✓ POS system
- ✓ Shop management system
- ✓ Catering management system



Messenger App

- ✓ "MarineTALK" messenger software satellite platform
- ✓ Marine officers & engineer examination App
- ✓ Nautical calculation App



Development of Web solution

- ✓ E-learning system KHRA-IWWTC
- ✓ Development of fund management for BEPA
- ✓ Development of KMOU-business support system
- ✓ Development of car use exemption solution

1-1. Marinesoft introduction(2/3)

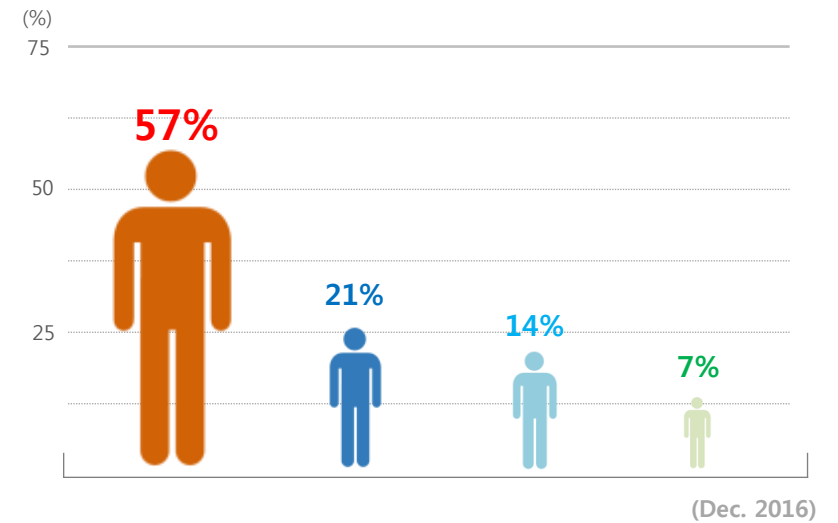
Departments



Employees

Employees	
Director	1
Head of laboratory	1
Senior Manager	3
Team leader	3
Manager	1
A. Manager	5
Staff	1
total	15

Level	
Special Engineer	8
High Level Engineer	4
Medium Level Engineer	2
Engineer	1
Total	15



1-1. Marinesoft Introduction (3/3)

Main Clients

Shipping companies



Daewoo Shipbuilding Co., Ltd.



Dongwon



New Shipping Korea Co., Ltd.



Coolstar Co., Ltd.



STX Marine Service



SM Management Co., Ltd.



Brazil QGOG



HANJOO MARINE CO., LTD.



Panstar Shipping Co., Ltd.



CHOKWANG SHIPPING CO., LTD.



Philippines FOSCON



SUNJIN JONGHAP



SUNJIN ENTECH



Samsun Logix



Saehan Marine Service Co., Ltd.



Shipman Co., Ltd.

Governments



1-2. Case Study and Processing Project

Case Study

No.	Project Name	Ordered by	Period	Award, Prize
1	Vessel berthing, state monitoring system, and pilot information mobile terminal unit	KIMST	2years 20.07.2009~19.07.2011	Ministry's award
2	Developing electrical nautical chart(S-57,S-100) server and smart app.	KIMST	2years 21.09.2011~20.09.2013	R&D Good Assessment
3	Developing PMS using cloud system	NIPA	2years 01.01.2014~31.12.2015	R&D Good Assessment

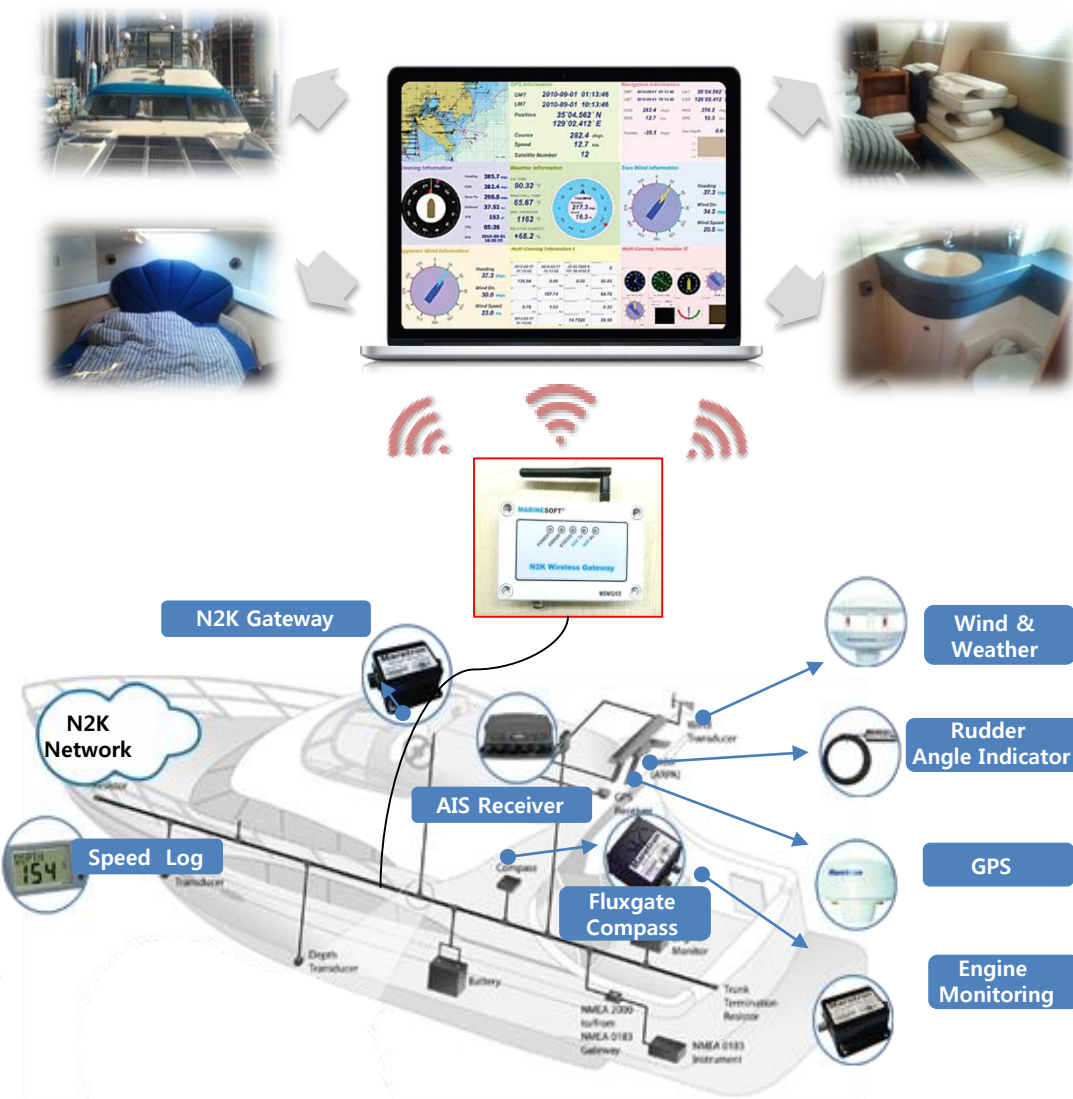
Processing Project

No.	Project Name	Ordered by	Period	Amount (USD)
1	Development of critical technology for Korean e-Navigation service	KIMST	4.5years 14.07.2016~31.12.2020	800,000
2	Development of safety management system using IWWT IoT GPS	SMBA	2years 18.08.2016~17.08.2018	500,000

2. Introduction : Maritime IT (1/3)

NMEA2000 Wireless Gateway System

➔ Developed various platform-based systems for real-time integrated monitoring of navigation, communication, and engine equipment connected to NMEA2000 network built on a ship.



Features



- ✓ N2K Gateway
- ✓ ENC module development
- ✓ GPS latitude and longitude display
- ✓ Altitude, COG, and SOG display
- ✓ Steering information display
- ✓ Weather information display
- ✓ Temperature, water temperature, and air pressure
- ✓ True wind direction and true apparent wind display



2. Introduction : Maritime IT (2/3)

Electronic Navigation Chart for Smart Devices

➡ Developed ENC applications for smart devices and building S-57 and S-100-based ENC servers to supply low-end maritime GIS information due to the expansion of mobile usage near the sea.



Google



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- Fishing Industry
- Coastal Vessels
- Fishing Populations
- Marine Workers
- Marine Sports
- Marine Leisure
- Aquaculture Industry

Features

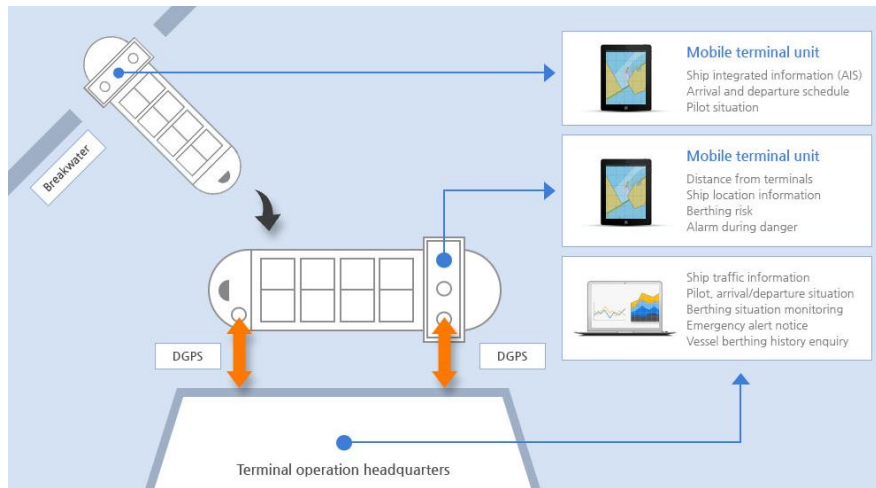
- ✔ Display of passage, tide, and water depth
- ✔ Sea map information display for navigation reference
- ✔ A function to simplify lighthouses and buoy display
- ✔ Accumulation control function
- ✔ Smart devices GSP signal link function
- ✔ Information display level setting function



2. Introduction : Maritime IT (3/3)

Vessel berthing, state monitoring system, and Pilot Information Mobile Unit

➔ To promote an image of a safe and advanced port, we developed the pilot monitoring mobile terminal units and vessel berthing monitoring system for terminals that are able to measure precise vessel berthing distance by using DGPS.



Features

- ✓ Arrival and departure schedule check
- ✓ Displays a distance from terminals
- ✓ Displays ship measurement ship motion information
- ✓ Pilot information with DGPS
- ✓ Data base storage management of berthing data

Pilot Information Mobile Unit

Outside case of Product

Tablet PC for monitoring

Internal case of Product



- ① Charger of Tablet PC
- ② Charger of DGPS terminals
- ③ Portable DGPS terminals
- ④ DGPS data receiver for pilot
- ⑤ RF Antenna for DGPS terminals



2. Introduction : Crewmen Mobile App (1/4)

MarineTalk : SNS based on satellite for seafarer (1/2)

➡ An SNS App service which allows exchange of data (messages and files) via the satellite network of the ship by using private smart devices of maritime employees



Features

- ✔ Ship location monitoring for smart devices
- ✔ Inboard voice telecommunication
- ✔ E-Book, Films, Video Files
- ✔ Job-related contents
- ✔ Internal announcement, News
- ✔ Shopping Mall (Flower delivery, cake gifts)



2. Introduction : Crewmen Mobile App (2/4)

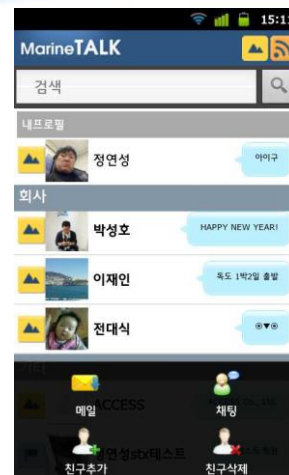
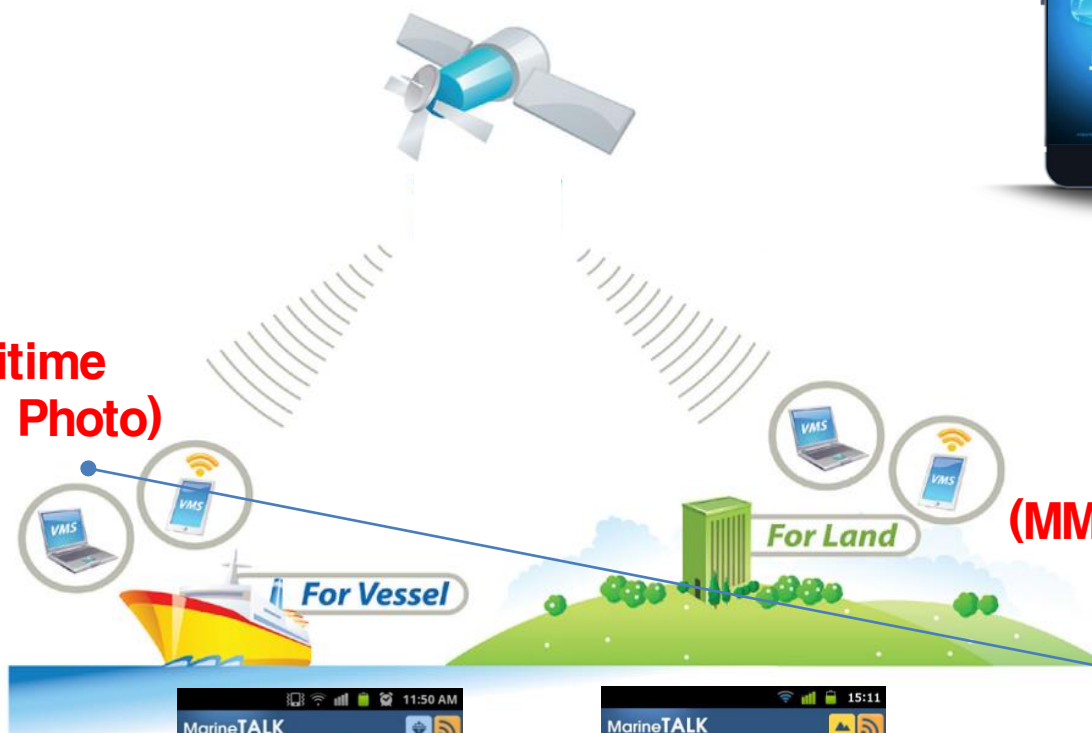
MarineTalk : SNS based on satellite for seafarer (2/2)

System Structure



Maritime
(MMS, Photo)

Land
(MMS, Photo)



2. Introduction : Crewmen Mobile App (3/4)

Application for Marine Officer Exam

➡ An App service enables learning of qualifying examination question content through smart devices to become marine technicians. To download, search "Marine Technician" or "Marinesoft" on the App Store.



Features

- ✔ Question content according to test information
- ✔ Test Information and Schedule
- ✔ environment settings,
- ✔ bookmark
- ✔ occupation
- ✔ Problem Solving



2. Introduction : Crewmen Mobile App (4/4)

5 kinds of Application for Calculating Sailing Data

⇒ A reference application service helps domestic/overseas beginner marine technicians with navigational method calculation. "Navigation Calculator", "Marine Technician", and "Marinesoft" are available on the App Store for downloading.



Features

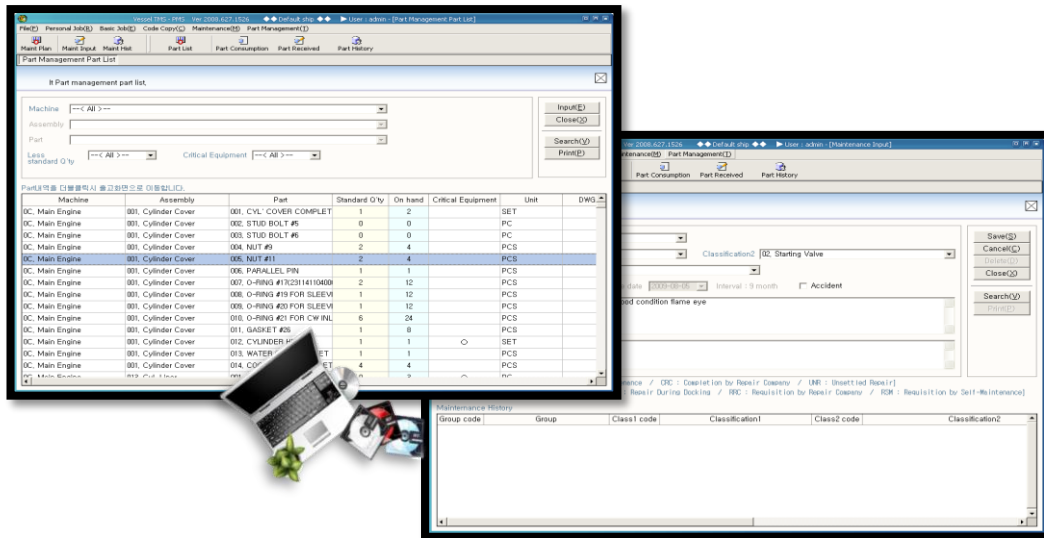
- ✓ Dew Point Calculator
- ✓ Draft QM Survey Calculator
- ✓ ETA Calculator
- ✓ Main Engine Slip Calculator
- ✓ Wind Vector Calculator



2. Introduction : Ship management ERP (1/4)

PMS (Planned Maintenance System)

The system embodies ship maintenance according to plans; the system classifies and manages various items of each ship into large, medium and small categories, and details and calculates the following maintenance schedule for each item and displays items with a matured maintenance schedule. Simultaneous management of ship and land is feasible and provides efficient scheduled maintenance by using various functions provided by PMS.



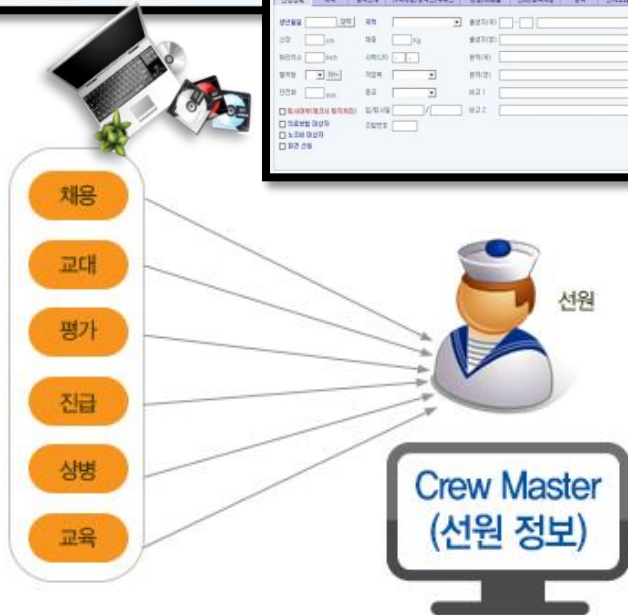
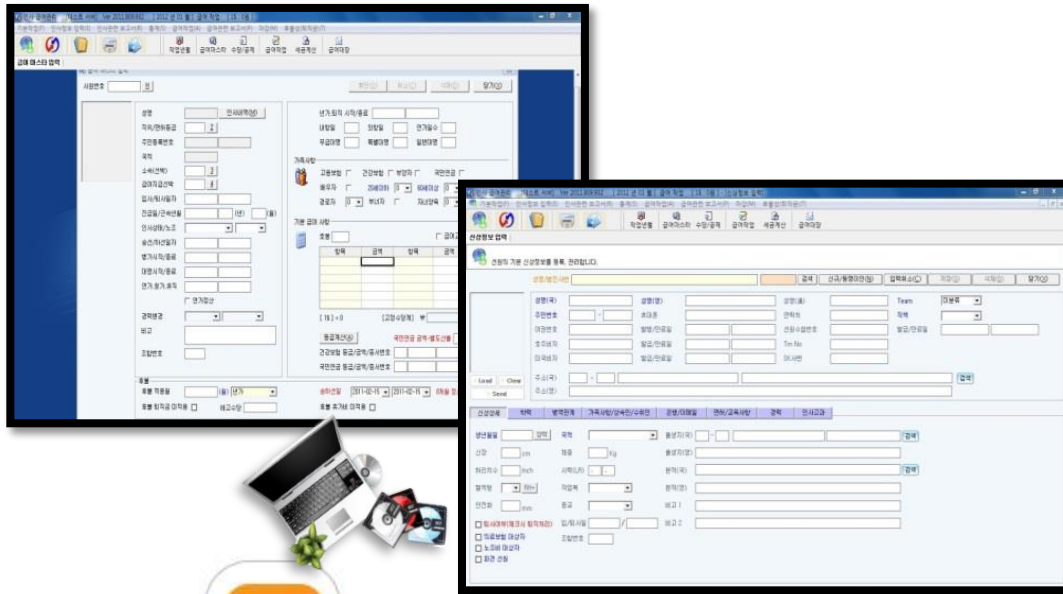
Features

- ✓ Spare
- ✓ Spare information and incoming
- ✓ outgoing history management
- ✓ Maintenance Card and Plans



Mariner (Crew Resource Salary Management Program)

➡ MARINER is a human resource/payroll program dedicated to marine transportation in the marine industry. We implement integrated management of crew, ship, and salary management process to maximize management resources and support quick decision-making.



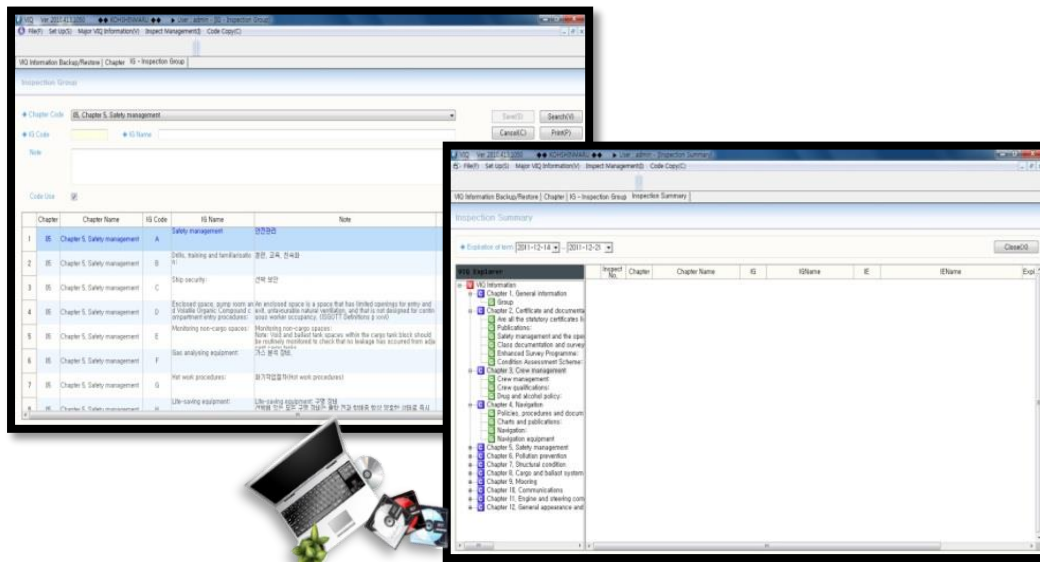
Features

- ✓ Crewmen Management
- ✓ Boarding & Ashore Notice
- ✓ Boarding Status
- ✓ Payroll
- ✓ Year-end Settlement
- ✓ Education and Certification Expiration Alert



VIQ (Vessel Inspection Questionnaires)

➡ It is a pre-screening program for special ships for major vetting and is a DB management program for result information sharing and conforming to OCMIF.



Features

- ✓ Inspection Element
- ✓ Inspection Plan
- ✓ Chapter Graph

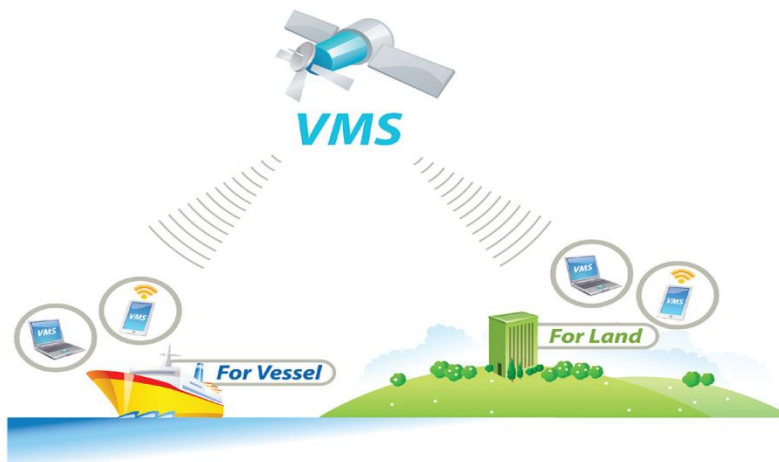


SQMS (Safety Quality Management System)

➡ A solution for ships and land for safety and quality management of ships helps quick and accurate decision making by sharing ship review, non-conforming, corrective action and preventive measures in accordance with international laws, such as ISO, ISM, and ISPS.

Features

- ✔ Accident and Incident Management
- ✔ Port Authority Inspection Management
- ✔ Review report (report, in-house non-conforming)
- ✔ statistics analysis
- ✔ Corrective action reporting, completion check
- ✔ Ship Certification Management



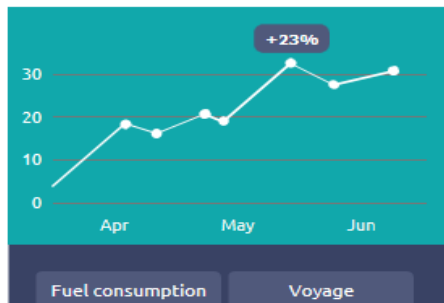
2. Introduction : OWNER PORTAL

OWNER PORTAL

➔ Provide real-time information related to ships

MENU BOX

- CREW RESOURCE
- PAY
- CERTIFICATE
- CLASSIFICATION
- BUDGET
- MAINTENANCE
- FUEL CONSUMPTION
- SHIP FLIGHT INFORMATION
- 3RD PARTY INSPECTION
- HELP



Main

EHAN TRELL
Kind of vessel : OIL&CHEMICAL

CREW LIST BUDGET SHIP TRACKING

SHIP LOCATION

MEMBER LOGIN

SAEHAN MARINE CO., LTD

LOGOUT

- A number of maintenance plans: 0건
- A number of maintenance results: 0건
- Maintenance performance rate: 0%

CREW LIST

NO	Name	Rank
1	KIM JEONG CHEOL	MTR
2	KIM SEOGSOO	C/O
3	LEE SEUNG HEON	2/O
4	KIM JAE HYEON	3/O
5	LEE JONG MIN	3/O-B
6	KIM UCHAN	C/E
7	EOM JONGTAE	1/E
8	JANG JEONG MO	2/E
9	LEE TAEGYU	3/E
10	RICO SUMABAL NAVESIS	BSN
11	MICHAEL MARQUEZ TANOJA	A/B
12	MAR BELARDO TACDA	A/B
13	GILBERT JR. ESTREMADURA ATIENZA	A/B
14	PATRICK ECHANES IBERO	O/S

✔ Provide consolidated monitoring and real-time information

- such as crew list
- salary tariff
- crew resource information
- vessel certificate
- survey status
- class report
- class survey plan
- real-time budget
- maintenance plan
- ship flight information
- 3rd party inspection (Oil Major, CDI, PSC)

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DOES IT'S BEST FOR CUSTOMERS.

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Always with customer's point of view!!!

MarineSoft Co., Ltd. is trying to provide IT industry with high quality products and services for development and doing its best effort to provide customer with the best service.

MAIN FIELDS OF BUSINESS



THANK YOU