

SM KLCSM



GLOBAL TOTAL ENGINEERING COMPANY

that pursues Sustainability Management based on "Trust, Innovation, and Honesty"

VALUE

- 
Trust We realize a ship management system for customers belief, trust and benefits.
- 
Innovation We seek constant change and growth through innovation.
- 
Honesty We aim for transparent ship management based on ethical management.

GOAL

- 
Zero Accident
- 
Green Management
- 
Maritime Technology
- 
Digitalization



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CEO MESSAGE

Since its establishment in 1977 as an affiliate company of SM GROUP, KLCSM provide specialized TOTAL MARINE SOLUTION such as crew/ship management, supervision on new shipbuilding construction, supervision on ship conversion, ship repairs and consulting service on maritime techniques.

Executives and staff members of KLCSM, consisting of the experts of the marine industry, manage many sorts of ships including BULK CARRIER, LNG CARRIER, LNG BUNKERING VESSEL, CONTAINER SHIP, TANKER and PCTC which are entrusted by the ship owners in and out of Korea.

And we implement the optimal crew/ship management using 'ESHQ Management System' and IT infrastructures such as 'Integrated Ship Management IT System'.

We are pre-emptively responding to the rapidly changing shipping environment such as reinforcement of environmental regulations and digital acceleration with the foremost goal of customer satisfaction and safe operation of ships. And through ethical management, eco-friendly ship management, digitalization, etc., we are working hard to make sustainable growth.

Based on the company core values of 'Trust, Innovation and Honesty', we promise to move forward to the global leading ship management company that pursue continuous changes and growth.

We would like to express our utmost gratitude to you who is taking an interest in our company, and we implore you to join us on the incessant journey of undertaking challenge ahead.

CEO, KLCSM CO.,LTD.
O-Gil Kwon



HISTORY

- **2021.12**
KOLICO ENTERPRISE CO.,LTD, the affiliate of SM GROUP was merged into KLCSM
- **2014.06**
Incorporated as an affiliate of SM Group
- **2010.01**
Merged with Korea Line Corporation and changed company name to KLCSM CO.,LTD
- **1980.02**
Changed company name to KOREA MARINE LIMITED
- **Date of establishment**
1977. 04. 01
(Established KOREA MARINE AGENT LTD.)



SM CM SHIPPING

Specialized energy resource transportation shipping company that create a route to connect with the world through the ocean through excellent transportation services and constant innovation

SM KOREA LINE

- Korea's foremost maritime transport company which holds the longest history as a single shipping company
- Global enterprise providing energy/resource carrier services

SM SM LINE

- Specialized transpacific container shipping company
- Provides the one of the fastest express service

SM KOREA SHIPPING

- Established in 1983, total resource carrier manages shipping, trading, and resource development
- Transports energy & raw materials of leading corporations

SM KOREA LINE LNG

Specialized company for LNG transportation and LNG bunkering that leads the eco-friendly business for the next generation.

SHIP MANAGEMENT

Based on over 40 years of tradition, skills, and knowledge, we provide the best professional ship management services for various types of vessels.

KLCSM's main goals for ship management are to reduce management cost, increase management efficiency and improve vessel's quality through consistent management. And we realize the safe operation and increasing the quality of ships through differentiated ship management services using Integrated Ship Management IT System.

THE STATUS OF MANAGING FLEET

TYPE	TOTAL MANAGEMENT	REMARK
BULKER	46	VLOC, CAPE, KMX, PMX, UMX, SMX, HMX
LNGC	14	LNGC (137~174K), LNG BUNKERING VESSEL (7.5~18K)
TANKER	7	MR, VLCC
PCTC	1	4,000 CEU
CONTAINER	12	1,100 ~ 6,500 TEU

TOTAL

80

*as of Y2023

SHIP MANAGEMENT

I SAFE OPERATION MANAGEMENT

- Provide information after confirming vessel's management and weather condition
- Notification of related information to support arrival at a port and provide port information
- Collect and provide PSC information by each MOU
- Establishment of emergency contact list on the shore duty in case of navigation in high risk area for piracy (GoA)

CREW MANAGEMENT

We foster professional maritime staff with our systematic training programs and provide the best service for reducing crew costs and securing and managing the most suitable crew members based on the verified IT system and high re-employment rate.

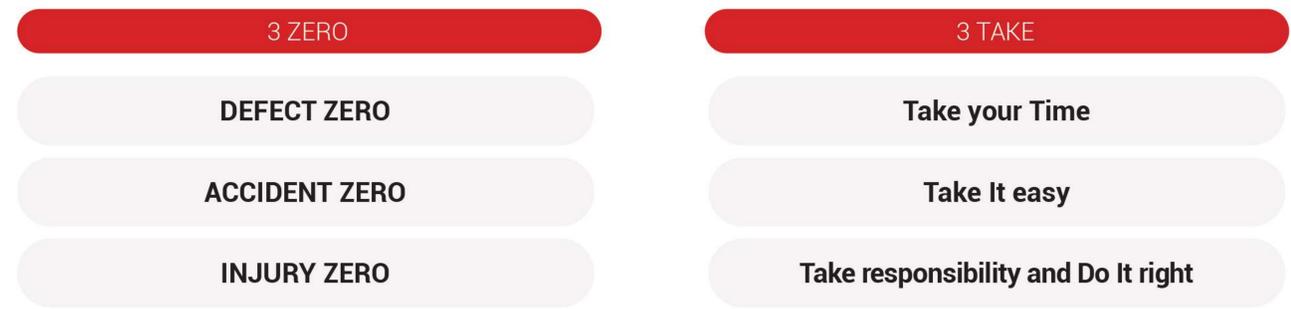
KLCSM's crew management is focused on providing Korea's best crew management service by

- securing appropriate crew members, managing them appropriately
- improving working conditions for the crew members, increasing awareness of the safety
- improving their ability to carry out their work and motivating them to work hard by systematic education & training program

I VITALIZATION OF SAFETY CAMPAIGN

Three Zero and Three Take

We contribute to the safe operation management of vessels by activating the safety campaign [Three Zero and Three Take campaign]

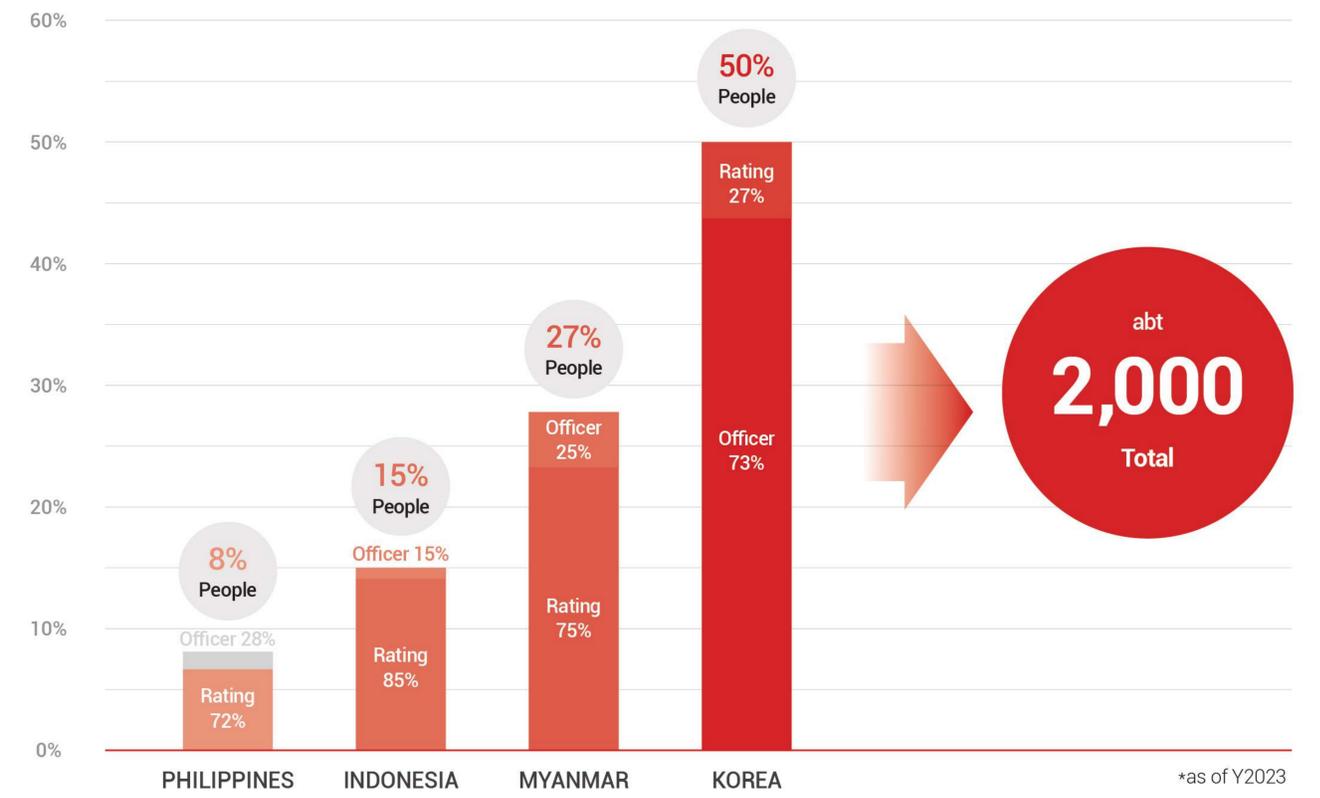


Memorial Day

We designate Memorial Day for incidents/accidents that occurred at the company and study various cases to prevent recurrence of the same or similar accidents.



I THE STATUS OF CREW MANAGING

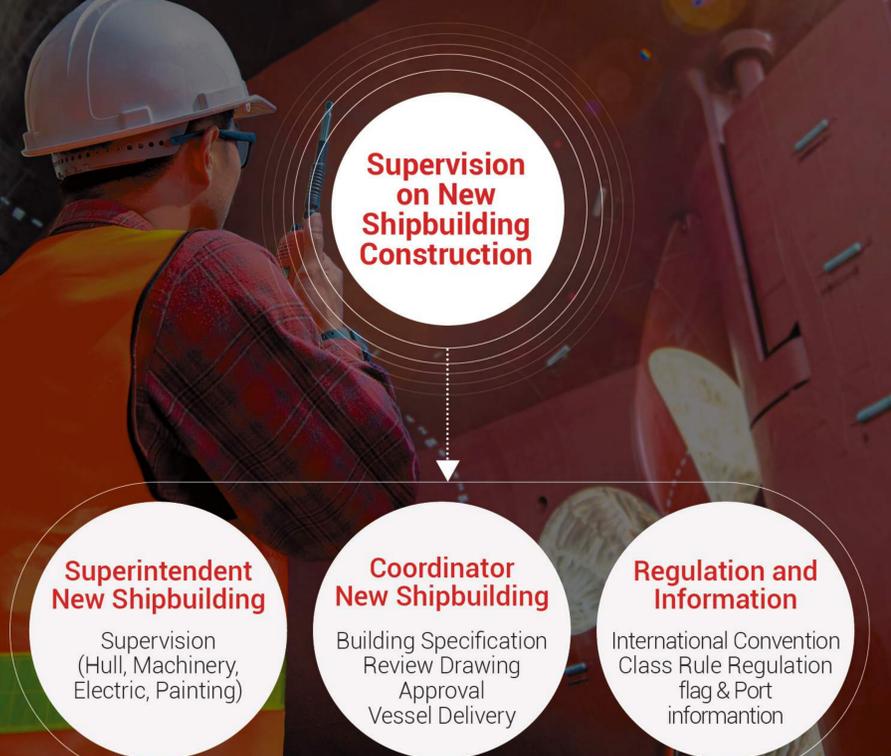


I EDUCATION & TRAINING

Contributing to the safe operation of vessels and management of the service that maintain quality by ensuring that the recruited/hired crew members become expert maritime personnel by systematic education & training program

SUPERVISION ON NEW SHIPBUILDING CONSTRUCTION

KLCSM carries out optimized supervision on new shipbuilding construction, based on the know-how accumulated through the supervision on over 100 vessels (new shipbuilding and remodeling) since 1987 and 45 year-long experience of the vessels.



I PERFORMANCE OF SUPERVISION ON NEW SHIPBUILDING CONSTRUCTION

TOTAL **117** VESSELS

TYPE	BULK CARRIER	HOT COIL CARRIER	GAS CARRIER (LNGC)	LNG BUNKERING VESSEL	CRUDE OIL TANKER (AFRAMAX, VLCC)	OIL & CHEMICAL TANKER(M/R)
PERFORMANCE	59	2	15	6	12	23

SPARE / STORE / PROVISION SUPPLY



I COST SAVING STRATEGY

Minimize OPEX

- Direct purchase of marine equipment through maker
- Net cost supply
- Manage own warehouse



High quality Genuine Parts

- Sales agency contract by
 - HD Hyundai Marine Solution
 - STX Engine
 - Wooshin Apec (LED)
 - TECHCROSS (BWTS)



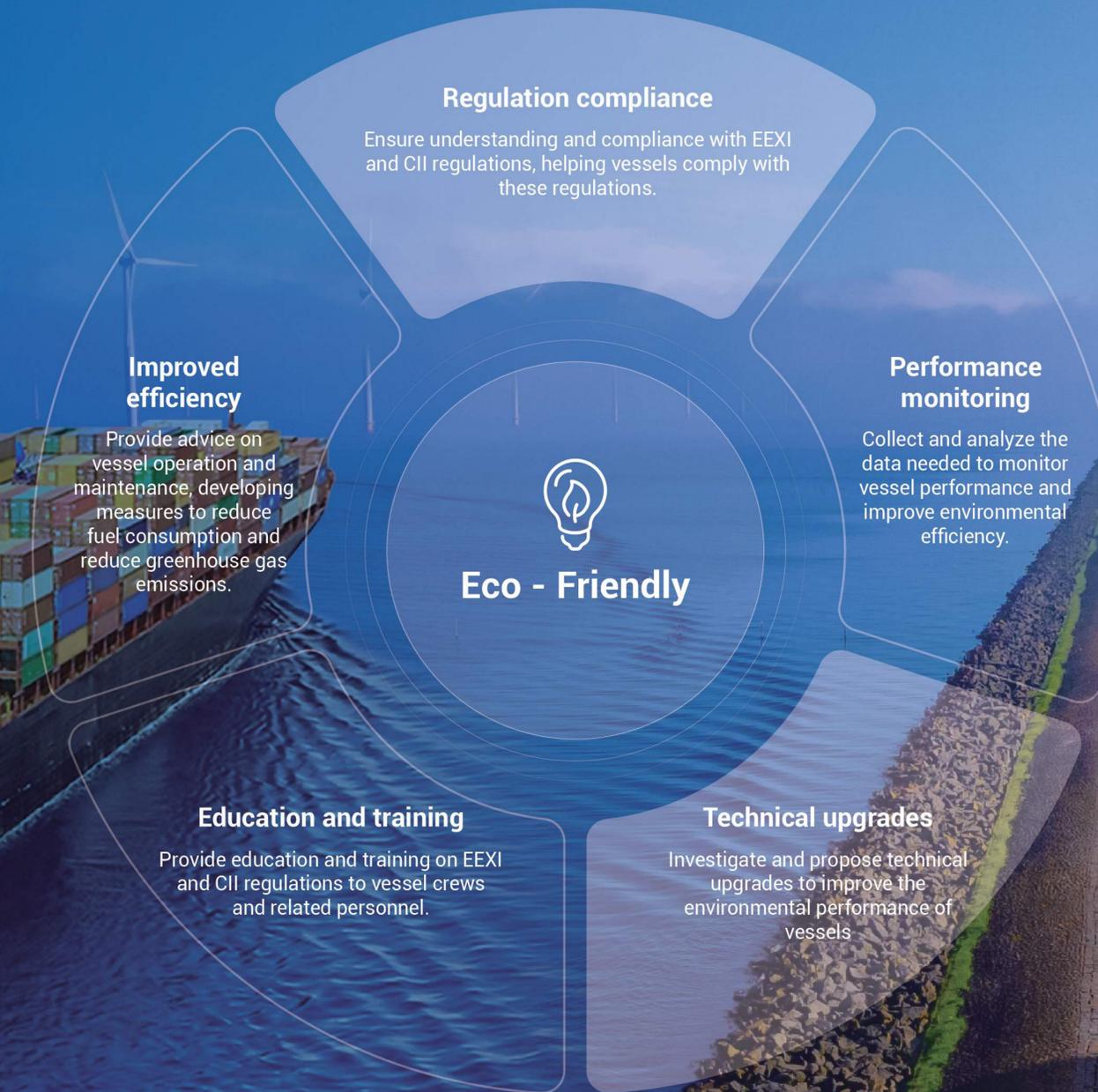
Crew Welfare

- Fresh & neat provision
- Tax Free
- Private goods service



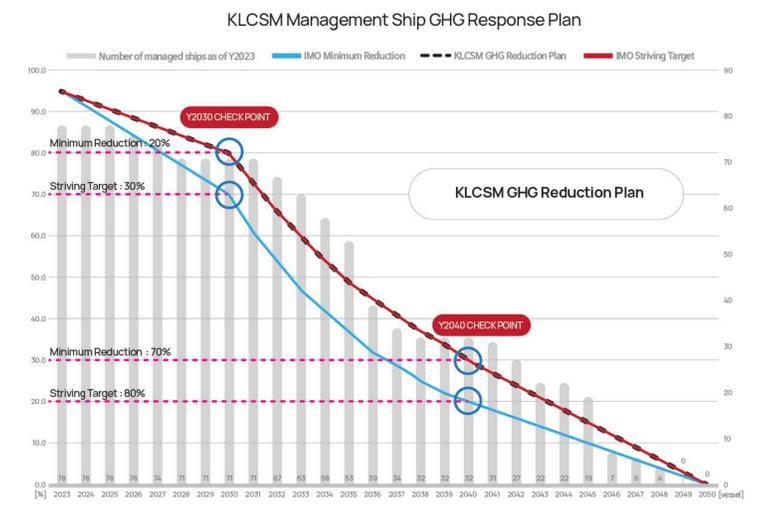
ENVIRONMENTAL REGULATION MANAGEMENT (IMO 2050 NET ZERO)

We provide expert management and advice on vessel operation and maintenance, and carry out a range of tasks to ensure compliance with EEXI and CII regulations and improve environmental efficiency in vessel operations.



KLCSM's Environmental Regulation Response Plan

We are establishing a sustainable marine transport system and reducing carbon emissions from ship operation to achieve IMO 2050 NET ZERO by technical development such as introducing eco-friendly ship technology, increasing energy efficiency, and using eco-friendly fuels and promoting cooperation among various stakeholders such as related companies, governments, and international organizations.



- 1 ESD (Energy Saving Device)
- 2 Operation Management - Development and Use of PROGRAMING for Environmental Regulation Response

Self-Development of CII SIMULATOR

- No additional data input required for SIMULATOR operation via VMS interworking
- External leakage protection of ship operation data and CII data
- KLCSM's ship management KNOW-HOW is reflected in SIMULATOR and can be upgraded at all times to provide simulation that users want.

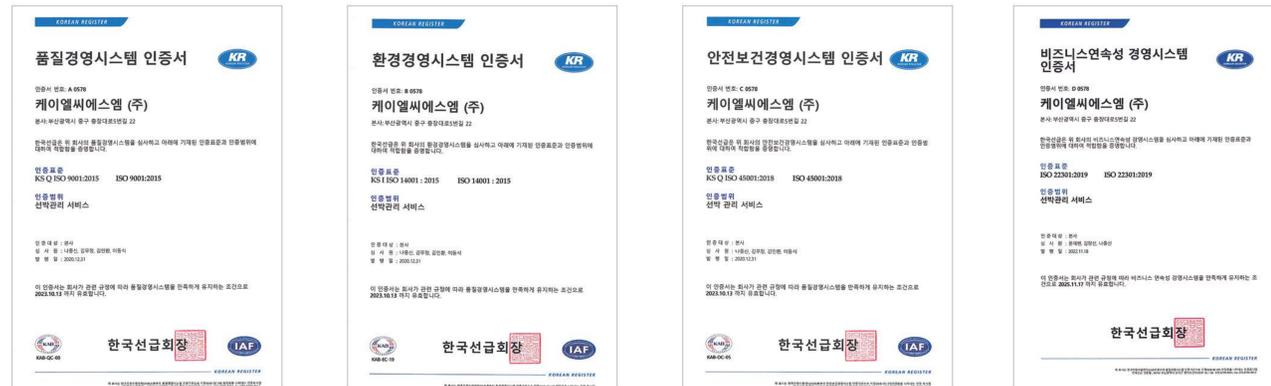
KLCSM developed its own CII SIMULATOR that can improve the grade by analyzing the CII for each ship identified in CII MONITORING SYSTEM, CII SIMULATOR is composed of a voyage review mode that can check the accumulated voyage data from the beginning of the year and a plan mode that can verify the navigation plan from the perspective of CII fluctuations, so that the CII for each ship can be analyzed.

CERTIFICATES

We hold and maintain all international certificates required in the shipping sector.
: ISM CODE, ISO 9001, ISO 14001, ISO 45001, ISO 22301, ISPS CODE, MLC 2006

And we have been recognized for our ability to utilize weather information, contributing to the improvement of the safe operation of ships with the acquisition of Certificate for Excellent Weather Management Corporation by KMA. We also have been selected and certified as Certified Company of Excellence in Shipping and Port Industry Brand by the Port of Busan (WeBUSAN).

CERTIFICATES



ISO 9001 ISO 14001 ISO 45001 ISO 22301

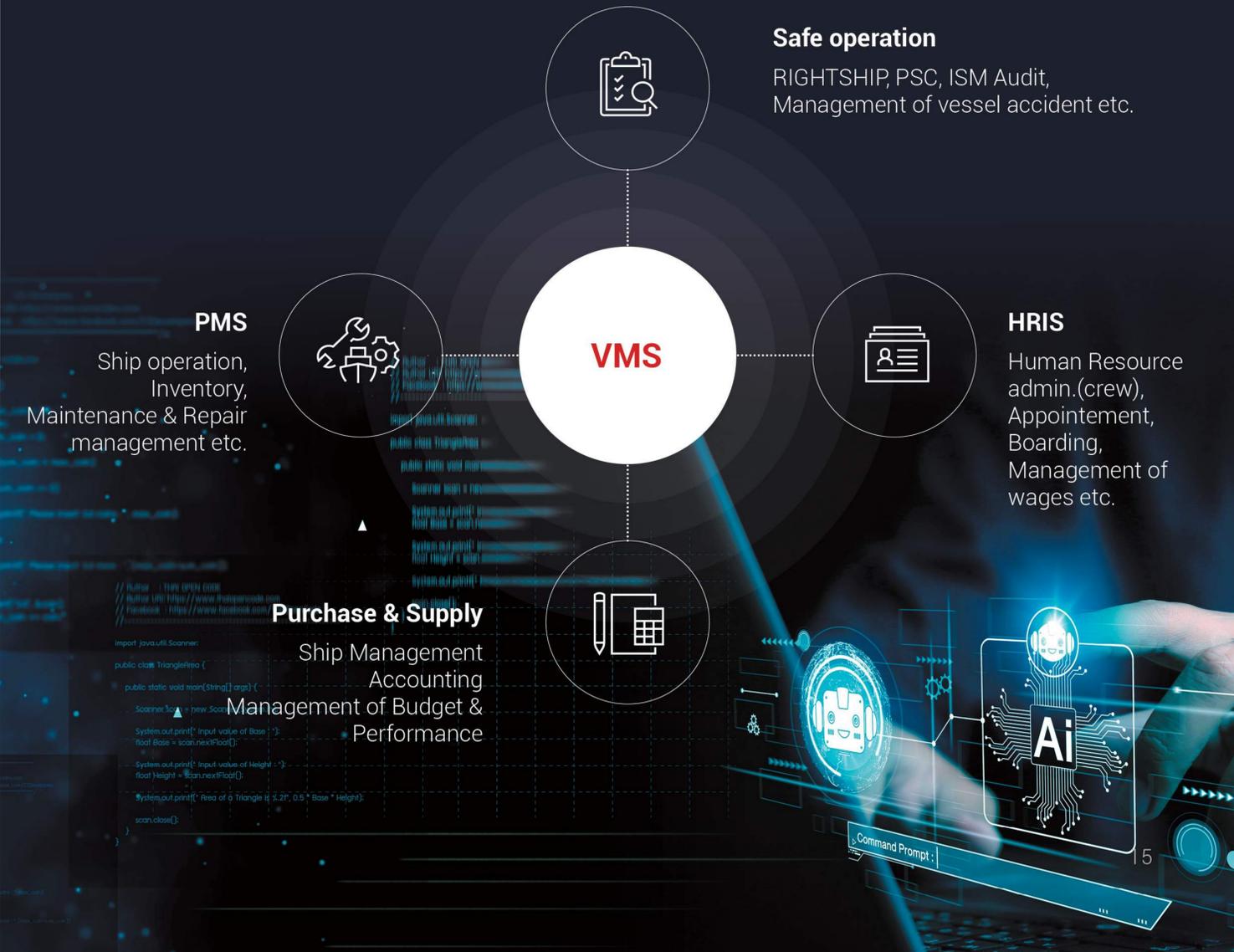


INTEGRATED SHIP MANAGEMENT IT SYSTEM (VMS: VESSEL MANAGEMENT PORTAL SYSTEM)

The IT System that integrates and manages all necessary functions for Crew and Ship Management such as ship / crew / safe operation / safety quality / finance / dry docking / material management

➔ We provide systematic management services and prevent human errors and various losses by the operation of the integrated IT system for ship and crew mangament.

- Increased transparency and competitiveness in purchase and maintenance
- Improvement in process of managing cost and assets in stock
- Improvement in ship management efficiency by using various management functions
- Flexible system maintenance



VESSEL CONTROL CENTER (VCC)

- ➔ Strengthen the real-time control management
- ➔ Achieving the safe operation by strengthening the SMART ship management system

Response to environmental regulations
- Real-time monitoring of ship environmental analysis data

Real-time check of vessel status, location, weather, and port information

Realization of economic and safety operation through real-time maintenance
- Video links between shore, vessel and vessel material maker

Real-time monitoring

Vessel condition, Location, Weather, Check port info. in real time

Real-time Maintenance

VCC, VESSEL, Real-time video connection with Maker

SMART SHIP MANAGEMENT

Safety & Economic operation

Based on ICT technology, safety and economic operation solutions



VR TRAINING CENTER

Establishment of training center based on VR/AR

- ➔ Contributing to the safe operation of ships by improving crew member's ability to carry out their work through familiarization training

The implementation of practical training for the experts in connection with LNG marine officer and related organizations through establishing training courses based on VR/AR

Meeting the needs for familiarization training

High efficiency for training costs and time of investment

Overcoming of the limitations for the theoretical education



VR TRAINING SCREEN



Think on your side! Plan as you think! Behave for your profit!

SM KLCSM

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