

SUBJECT

MarineOffice Introduction

<http://marineoffice.co.kr>

VERSION &
DATE

V3.0 / 2017.01

Introduce of Company

Product

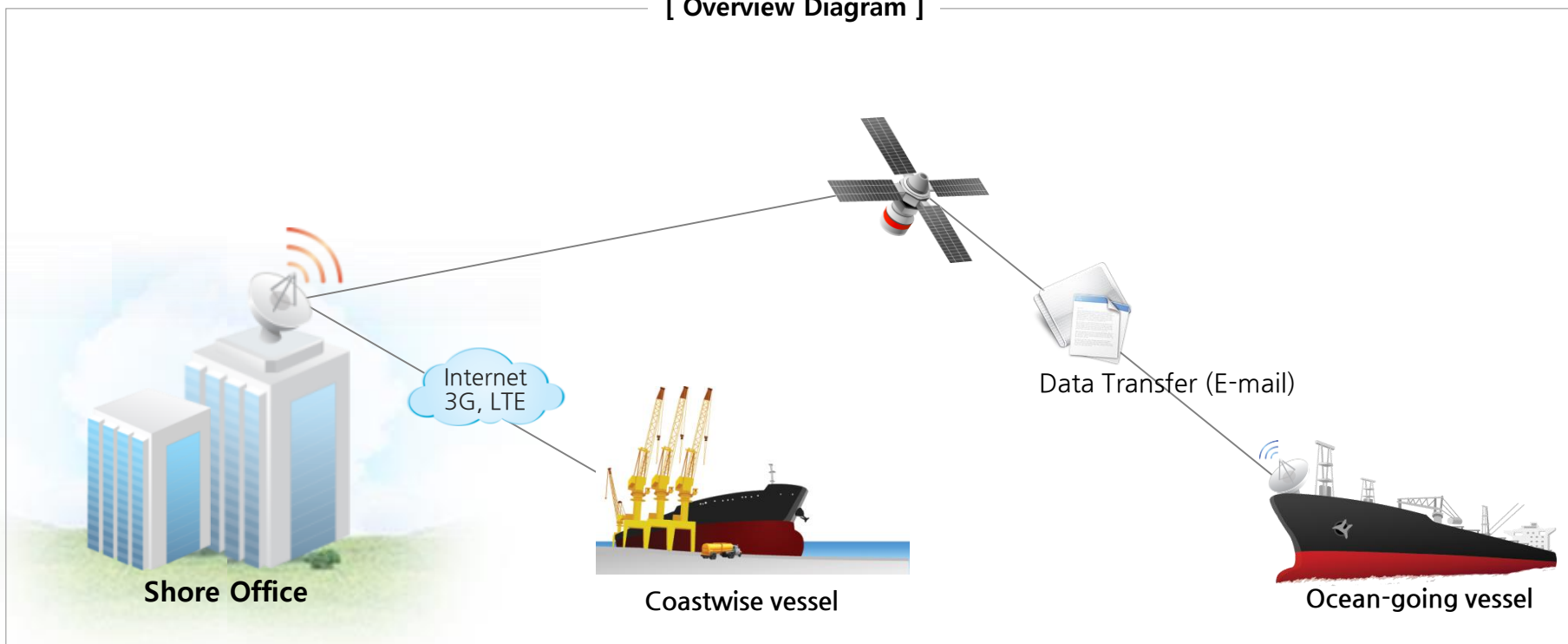
+ MarineOffice – Smart solution for effective vessel management

MarineOffice : Solution for effective vessel management

! Smart system that integrates the vast and complicated tasks of the ship management

Marine Office is integrated IT solution that support ship-shore-vender communication in PMS, inventory, procurement, budget, quality & safety and voyage for improved decision-making and efficiency of operations.

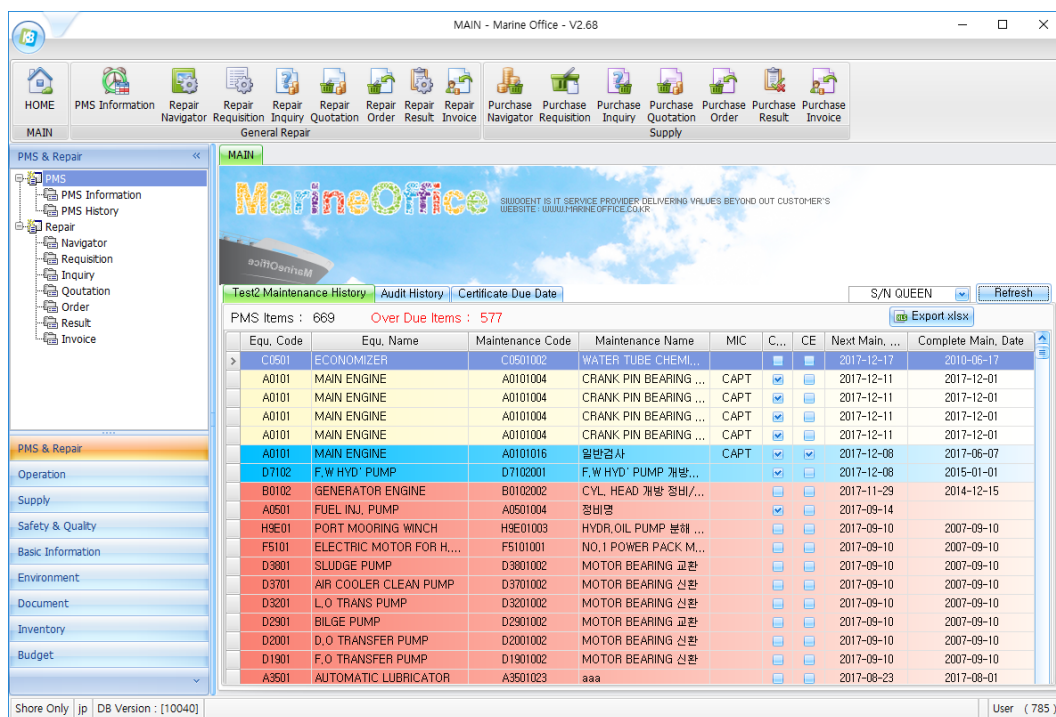
[Overview Diagram]



MarineOffice - Integrated solution for vessel management

! Business computerization & Efficient communication between ship and shore

Support Groupware and basic information management like PMS(Planned Maintenance System), Repair, Purchase & Supply, Audit & Inspection, Inventory, Budget, Electronic manuals, Safety & Quality including digital report forms.



MAIN - Marine Office - V2.68

HOME PMS Information Repair Navigator Repair Request Repair Quotation Repair Order Repair Result Repair Invoice Purchase Navigator Purchase Request Purchase Inquiry Purchase Quotation Purchase Order Purchase Result Purchase Invoice

MAIN

PMS & Repair

PMS Information PMS History Repair Navigator Requisition Inquiry Quotation Order Result Invoice

Test2 Maintenance History Audit History Certificate Due Date S/N QUEEN Refresh

PMS Items : 669 Over Due Items : 577 Export xlsx

Equ. Code	Equ. Name	Maintenance Code	Maintenance Name	MIC	C...	CE	Next Main...	Complete Main, Date
C0501	ECONOMIZER	C0501002	WATER TUBE CHEMI...				2017-12-17	2010-06-17
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101016	일반검사	CAPT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2017-12-08	2017-06-07
D7102	F.W HYD' PUMP	D7102001	F.W HYD' PUMP 개방...		<input checked="" type="checkbox"/>	<input type="checkbox"/>	2017-12-08	2015-01-01
B0102	GENERATOR ENGINE	B0102002	C.V.L. HEAD 개방 정비/...		<input type="checkbox"/>	<input type="checkbox"/>	2017-11-29	2014-12-15
A0501	FUEL INJ. PUMP	A0501004	경비명		<input checked="" type="checkbox"/>	<input type="checkbox"/>	2017-09-14	
H9E01	PORT MOORING WINCH	H9E01003	HYDR.OIL PUMP 분해 ...		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
F5101	ELECTRIC MOTOR FOR H...	F5101001	NO.1 POWER PACK M...		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
D3801	SLUDGE PUMP	D3801002	MOTOR BEARING 교환		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
D3701	AIR COOLER CLEAN PUMP	D3701002	MOTOR BEARING 신환		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
D3201	L.O TRANS PUMP	D3201002	MOTOR BEARING 신환		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
D2901	BILGE PUMP	D2901002	MOTOR BEARING 교환		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
D2001	D.O TRANSFER PUMP	D2001002	MOTOR BEARING 신환		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
D1901	F.O TRANSFER PUMP	D1901002	MOTOR BEARING 신환		<input type="checkbox"/>	<input type="checkbox"/>	2017-09-10	2007-09-10
A3501	AUTOMATIC LUBRICATOR	A3501023	aaa		<input type="checkbox"/>	<input type="checkbox"/>	2017-08-23	2017-08-01

Shore Only | jp DB Version : [10040] User (785)



MarineOffice - Benefits

! Provides essential features with quick & easy interface

As a specialized system for small-mid sized ship management companies, Marine Office's performance gives you powerful insights that enable you to save both money and the environment.

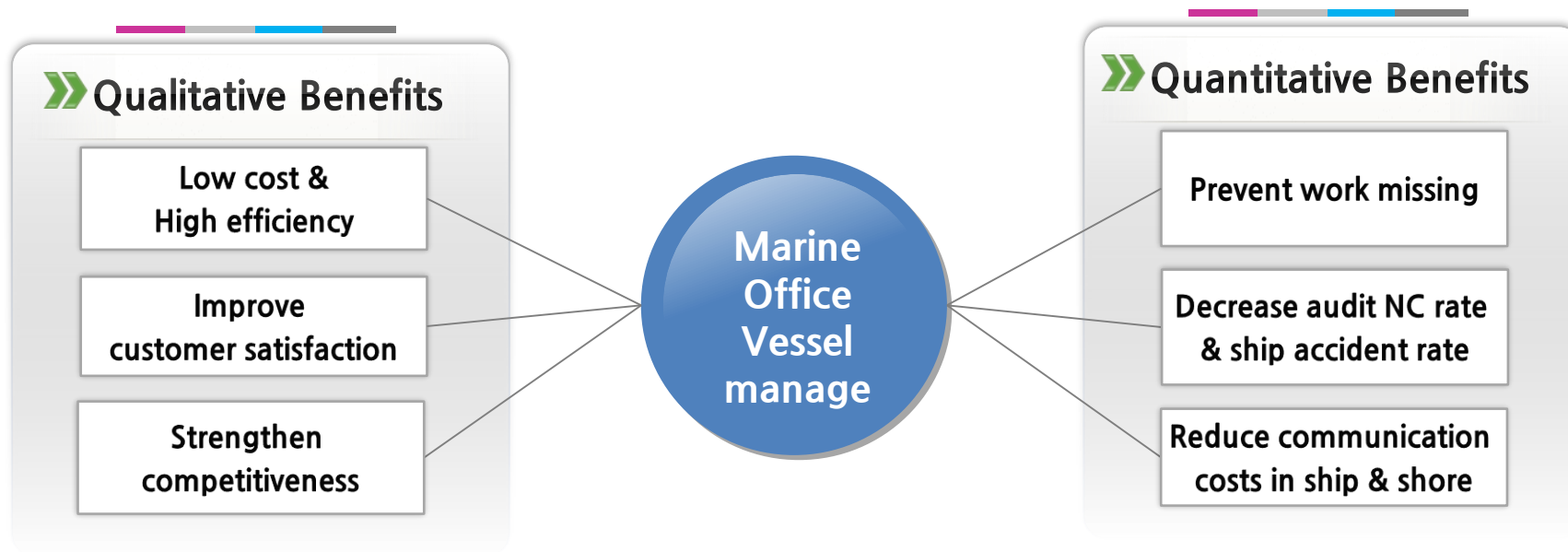
“Increase Efficiency & Competitiveness”



MarineOffice - Benefits

! Standardized System Operation & Securing Economical Efficiency

Expectations from introducing **Marine Office**



Customers using Marine Office

! We are preparing various promotions for ship operating agencies.

Our success depends on the success of our customers. Actively listening to our customers and truly understanding their needs, and then translating these needs into successful solution is central to achieving our goals.

10 Companies, 60 Ships are using Marine Office since 2013.

Our Customers



KT submarine

Cable Ship RESPONDER is a cable laying & multi-role offshore construction vessel, and has an extensive global track record for both telecom and power cable installation. Marine Office manages monthly, weekly maintenance plan and periodic inspections.



HANA Marine

Hana Marine has been specializing in transporting petrochemical products from Korea to Japan, China, Taiwan and Southeast Asia. With Marine Office, Hana marine improves data quality and has a good foundation for making the right decisions at all levels in the organization.



FAIR shipmanagement

Fair shipmanagement provides various quality services such as ship class survey, ship repairing & supervising, crew manning, ISM & ISPS management and ship's spare parts supply. Currently Fair shipmanagement manages 20 ships with Marine Office which designed to optimize and customize the system to establish a digital management system.



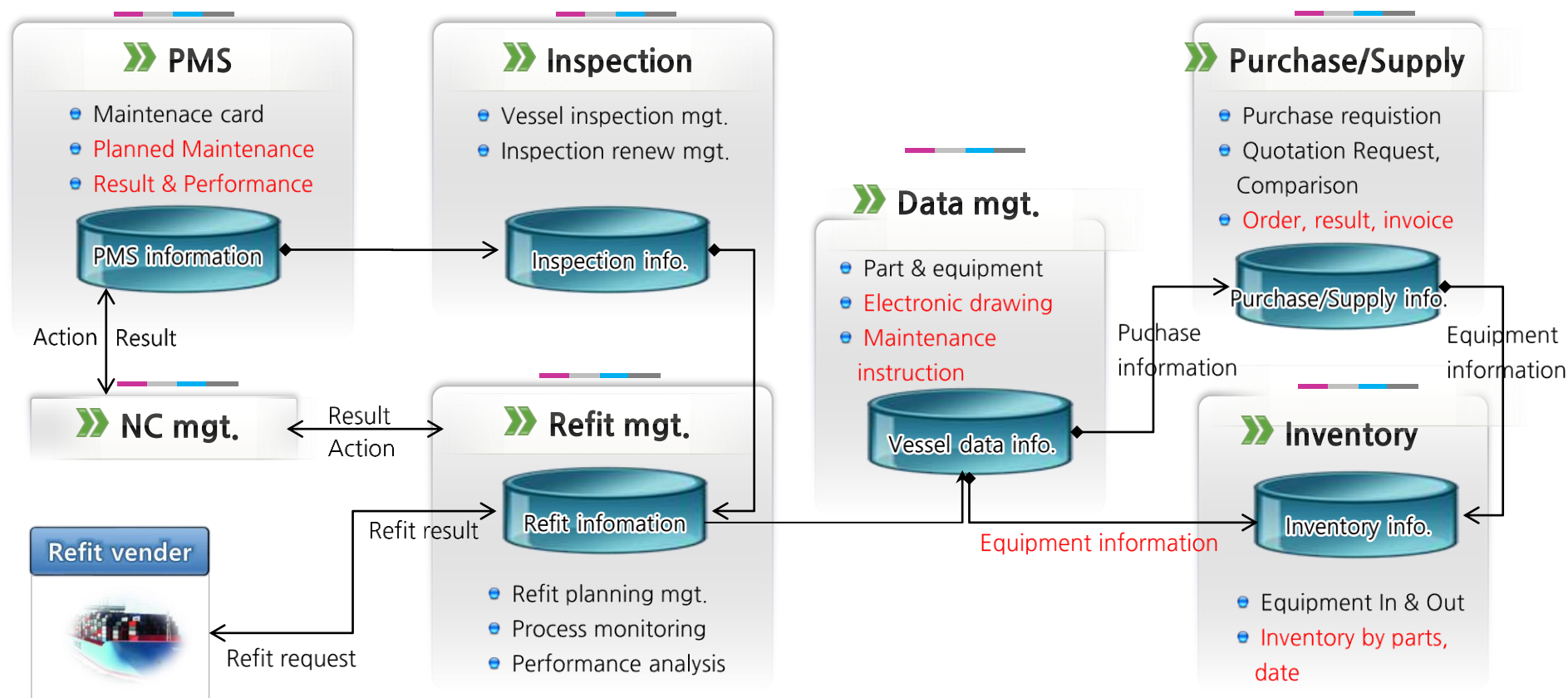
WOORIM shipping/ DONGKUK marine

PMS items are managed systematically and safely by applying Marine Offices to Oil & Chemical and LPG vessels. Marine Office increase productivity with scheduling system through job planning and performance management. PMS, electronic document management, and other business processes are integrated and realized e-business environment by Marine Office.

MarineOffice - Solution for effective vessel management

! Organic Workflow for Systematic Ship Management

Marine Office considers the relation of ship management duties, which support the exact maintenance time and standard instruction of the equipment. You will gain full insight into your vessel performance at a glance for increased transparency of your operation with one click.

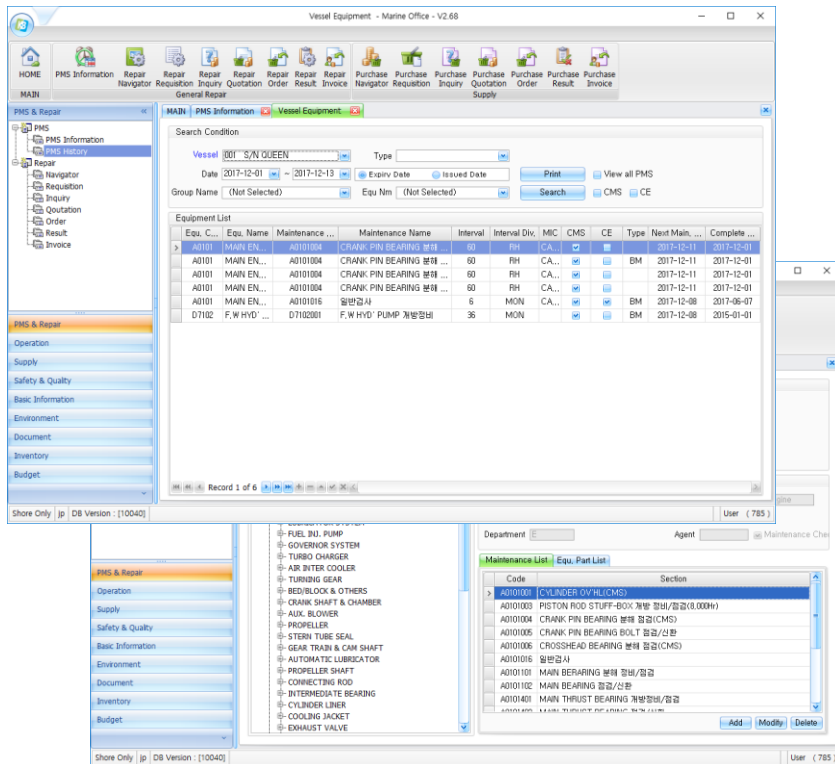


Marine Office PMS(Planned Maintenance System)

! Support device-specific categories to manage critical equipment separately

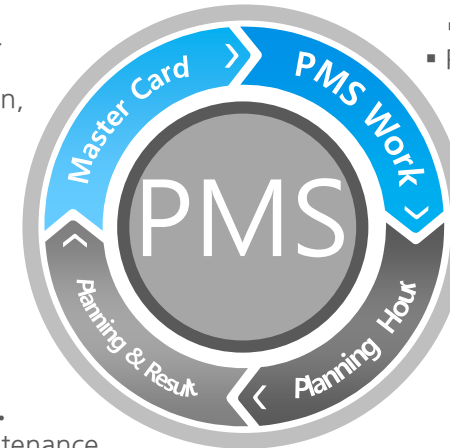
PMS(Planned Maintenance System)

Marine Office's PMS is, easy to use, designed for marine engineers and operation managers to cost effectively manage their vessel maintenance tasks. Specially, it can prevent missing maintenance list by informing the over due and PMS card information of the equipment with the alarm system in advance.



Master Card Mgt.

- PMS master card management
 - Card Search & List by equipment, PMS Card enactment/amendment, PMS history, Applied vessel list, Vessel card transfer/notification, Card distribution
- Vessel PMS card mgt.
 - Card Search & List, PMS Card modification, PMS Card distribution



PMS Work Space

- PMS Card information
- Working Comment mgt.
 - Maintenance Guide
- Assign Entry & History
 - Over Due Reason Enter & History
- PMS Working Result Entry
- PMS Working Result History
 - Performance by card

Running & Result.

- PMS Planning maintenance
- PMS Result
- PMS Working History
- Performance Analysis

Running Hour Mgt.

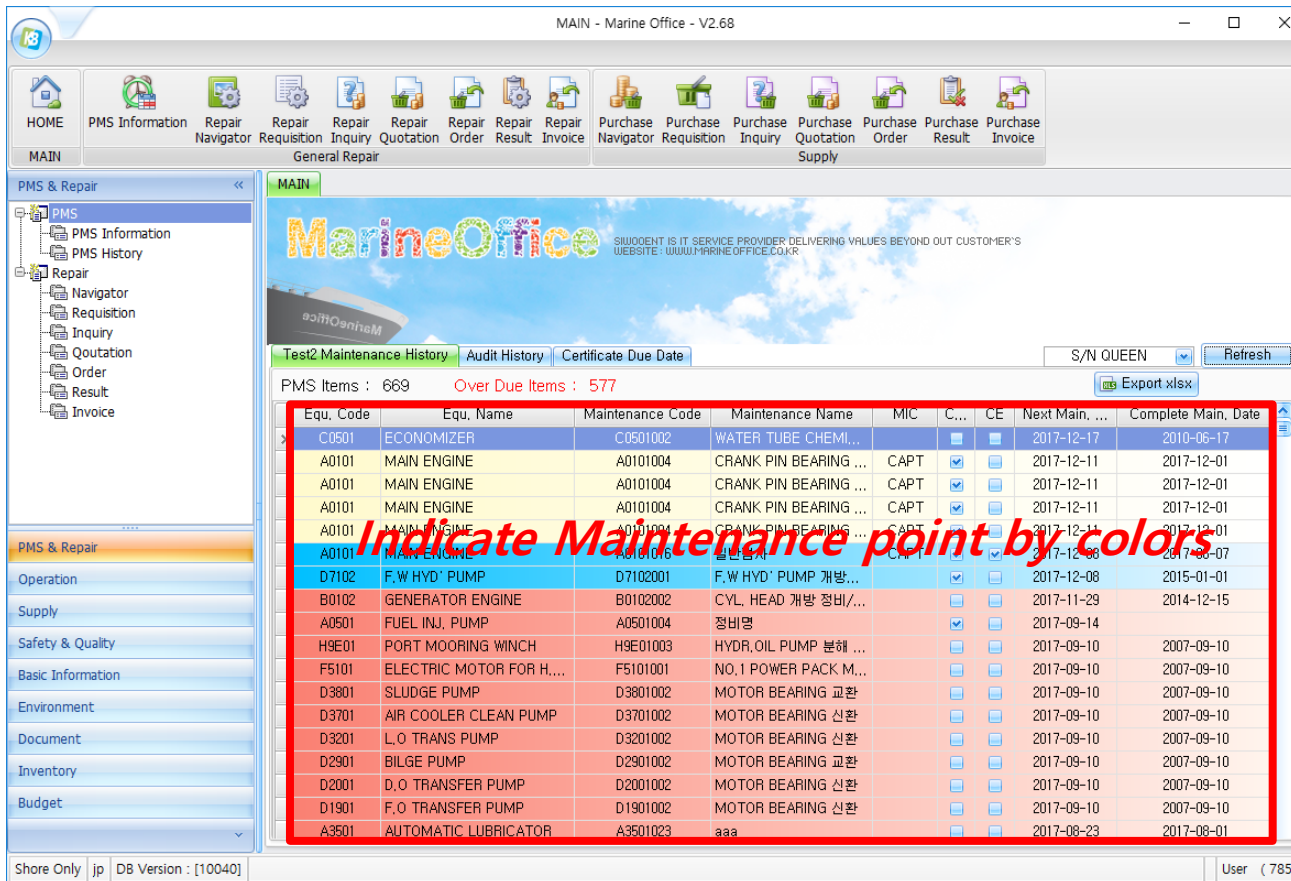
- Search & List
- R/H register/edit
- Due Date Calculation

Marine Office PMS(Planned Maintenance System)

! Provides timely maintenance notification on the first screen without inquiry.

First screen configuration

On the first screen, users will check the maintenance list today and support the maintenance work. In addition, the deadline for audit, inspection, and certificate can be viewed with one click. Marine Office enables users to plan, monitor, record and implement complex maintenance tasks, including compliance reporting and predictive maintenance monitoring.



MAIN - Marine Office - V2.68

HOME PMS Information Repair Navigator Repair Requisition Repair Inquiry Repair Quotation Repair Order Repair Result Repair Invoice Purchase Navigator Purchase Requisition Purchase Inquiry Purchase Quotation Purchase Order Purchase Result Purchase Invoice

MAIN

PMS & Repair

PMS
PMS Information
PMS History
Repair
Navigator
Requisition
Inquiry
Quotation
Order
Result
Invoice

MarineOffice

Test2 Maintenance History Audit History Certificate Due Date

S/N QUEEN Refresh

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Export xlsx

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A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT			2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT			2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT			2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT			2017-12-11	2017-12-01
A0101	MAIN ENGINE	A0101004	CRANK PIN BEARING ...	CAPT			2017-12-11	2017-12-01
D7102	F.W HYD' PUMP	D7102001	F.W HYD' PUMP 개발...				2017-12-08	2015-01-01
B0102	GENERATOR ENGINE	B0102002	CYL. HEAD 개발 정비/...				2017-11-29	2014-12-15
A0501	FUEL INJ. PUMP	A0501004	장비명				2017-09-14	
H9E01	PORT MOORING WINCH	H9E01003	HYDR.OIL PUMP 분해 ...				2017-09-10	2007-09-10
F5101	ELECTRIC MOTOR FOR H...	F5101001	NO. 1 POWER PACK M...				2017-09-10	2007-09-10
D3801	SLUDGE PUMP	D3801002	MOTOR BEARING 교환				2017-09-10	2007-09-10
D3701	AIR COOLER CLEAN PUMP	D3701002	MOTOR BEARING 신환				2017-09-10	2007-09-10
D3201	L.O TRANS PUMP	D3201002	MOTOR BEARING 신환				2017-09-10	2007-09-10
D2901	BILGE PUMP	D2901002	MOTOR BEARING 교환				2017-09-10	2007-09-10
D2001	D.O TRANSFER PUMP	D2001002	MOTOR BEARING 신환				2017-09-10	2007-09-10
D1901	F.O TRANSFER PUMP	D1901002	MOTOR BEARING 신환				2017-09-10	2007-09-10
A3501	AUTOMATIC LUBRICATOR	A3501023	aaa				2017-08-23	2017-08-01

Shore Only jp DB Version : [10040] User (785)

Visible presentation of maintenance

- Red : Equipment overdue maintenance
- Blue : 7 days before maintenance
- Yellow : On the day of maintenance

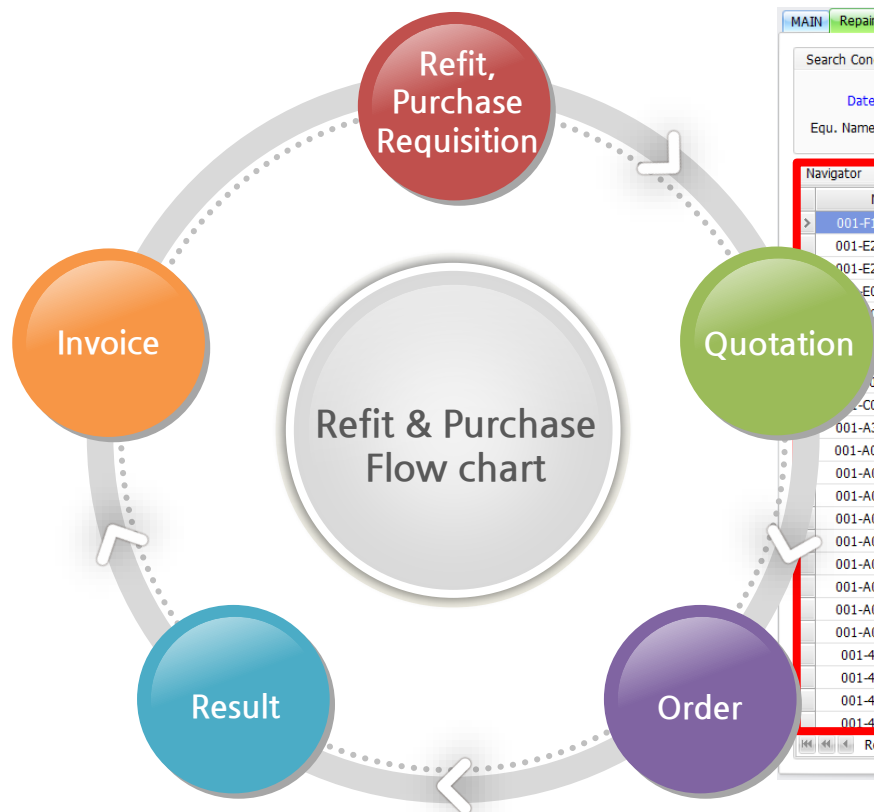
Marine Office PMS(Planned Maintenance System)

! Refit and purchase history at a glance.

Refit & Supply System

A system for purchasing, order and supplier management that is a centralized purchasing tool for the entire vessel, designed to enable efficiency throughout the process from requisition through to invoice.

Overseeing the procurement process for all vessels and Maintaining an adequate level of spare parts through summary reports.



MAINRepair Navigator

Search Condition

Date2010-01-04~2017-12-19

Vessel001 S/N QUEEN

Print

Eq. Name(Not Selected)

Group Name(Not Selected)

Search

All

Navigator

	Nav. No	Req. No	Search	Inq. No	Quo. Complete	Odr. No	Inv. No	Inv. Amount
>	001-F1801-00101-L	001-E-F1801-1...	<input checked="" type="checkbox"/>	001-F1801-1507-001-L	<input type="checkbox"/>	001-F1801-1507-001	001-1507-00001	5500000.00
	001-E2601-00095-L	001-D-E2601-...	<input checked="" type="checkbox"/>	001-E2601-1411-001-L	<input type="checkbox"/>	001-E2601-1411-001	001-1411-00003	2300000.00
	001-E2601-00094-L	001-D-E2601-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-E0801-00091-L	001-D-E0801-...	<input checked="" type="checkbox"/>	001-E0801-1411-001-L	<input type="checkbox"/>	001-E0801-1411-001	001-1411-00002	2300000.00
	001-E0701-00093-L	001-D-E0701-...	<input type="checkbox"/>	001-E0701-1411-001-L	<input type="checkbox"/>	001-E0701-1411-001		
	001-E0601-00092-L	001-D-E0601-...	<input checked="" type="checkbox"/>		<input type="checkbox"/>			
	001-E0901-00102-L	001-E-C0901-1...	<input type="checkbox"/>	001-C0901-1507-001-L	<input type="checkbox"/>	001-C0901-1507-001	001-1507-00002	3500000.00
	001-D-C0101-00101-L	001-D-C0101-...	<input checked="" type="checkbox"/>		<input type="checkbox"/>			
	001-D-C0101-00088-L	001-D-C0101-...	<input checked="" type="checkbox"/>	001-C0101-1407-001-L	<input type="checkbox"/>	001-C0101-1407-001	001-1407-00001	0.00
	001-A3501-00109-L	001-D-A3501-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-A0801-00112-V	001-D-A0801-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-A0801-00107-L	001-D-A0801-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-A0801-00105-L	001-E-A0801-...	<input checked="" type="checkbox"/>	001-A0801-1703-001-L	<input type="checkbox"/>	001-A0801-1703-003	001-1703-00003	123120.00
	001-A0801-00104-L	001-E-A0801-...	<input checked="" type="checkbox"/>	001-A0801-1703-002-L	<input type="checkbox"/>	001-A0801-1703-002	001-1703-00002	100000.00
	001-A0801-00103-L	001-E-A0801-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-A0801-00097-L	001-D-A0801-...	<input type="checkbox"/>	001-A0801-1412-001-L	<input type="checkbox"/>			
	001-A0801-00096-L	001-D-A0801-...	<input checked="" type="checkbox"/>	001-A0801-1411-002-L	<input checked="" type="checkbox"/>	001-A0801-1411-002		
	001-A0801-00089-L	001-E-A0801-...	<input checked="" type="checkbox"/>	001-A0801-1411-001-L	<input type="checkbox"/>	001-A0801-1411-001	001-1411-00001	0.00
	001-A0801-00075-L	001-E-A0801-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-G-20140-00068-L	001-G-20140-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-G-20140-00067-L	001-G-20140-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-G-20140-00066-L	001-G-20140-...	<input type="checkbox"/>		<input type="checkbox"/>			
	001-G-20140-00065-L	001-G-20140-...	<input type="checkbox"/>		<input type="checkbox"/>			

Information

Inquiry about Refit, Purchase, Quotation, Order, Result, Invoice

Record 1 of 67

Marine Office PMS(Planned Maintenance System)

! Powerful navigation for refit and purchase of equipment ,oils and consumables.

Refit & Supply navigation

Allows attaching documents to requisitions and strong search and sort capabilities.
Filtering and reporting with the option of exporting to different formats. (pdf, xls, jpg etc)

Repair Navigator

Navigator

Req. No	Req. Confirm	Inq. No	Inq. Complete	Quo. No	Odr. No	Inv. No	Amount
> 001-E-A0801-1703-001-L	<input checked="" type="checkbox"/>	001-A0801-1706-001-L	<input type="checkbox"/>	Choose Quotation	001-A0801-1703-003	001-1703-00003	123120.0

Basic Information

Vessel

001 S/N QUEEN

Equ. Code

A0801

Issued Date

2017-03-15

Issued By

테스트사원1

Equipment Information

Equ. Name

AIR INTER COOLER

Maker

Dong Hwa Entec 286.1M3

Manufacturing Date

2005-05-23 1...

Model

TUBE PIN

Serial

DHCA-0286R4E-A

Plant

0

Requisition

Inquiry

Quotation

Order

Invoice

Result

Requisition Information

Attached File

1UKp7.png(158.86KB)

Download

Print

Subject

001-E-20170306-001

Reason

RECONDITION

Urgent

Trouble Date

2017-03-06

Due Date

2017-03-06

Due Port

BUSAN

Department

Engine

Shore Confirm Information

Confirm Result

☐ SelfClear
 ☒ Identify
 ☐ Holding
 ☐ Cancel

Confirm Remark

견적요청중

Close(ESC)

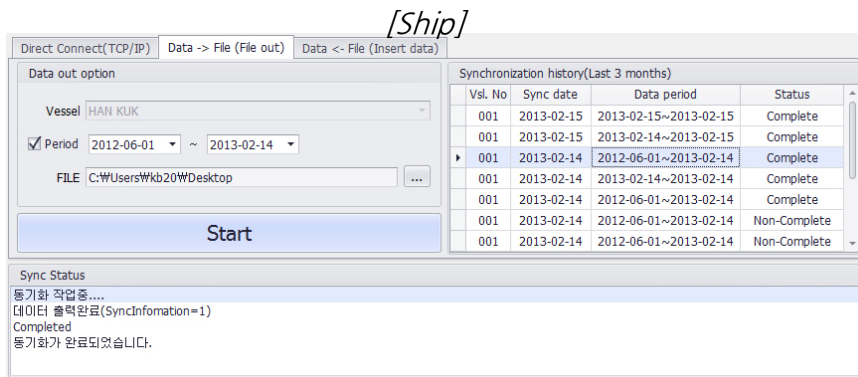
Marine Office PMS(Planned Maintenance System)

! Supports low-volume, fast & easy synchronization between ship and shore.

MarineOffice Synchronization System - Sync Marine

For secure data synchronization between ship and shore, there are two types of direct transmission and remote **e-mail transmission**.

[Overview Diagram]



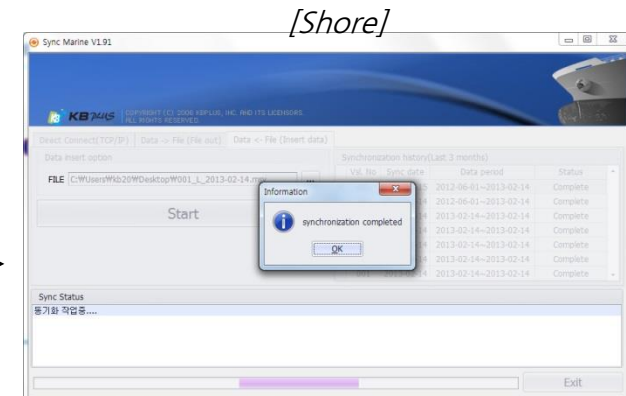
*** Avg. transmission amt. : 500kb
(Separated when uploading image file)**

1. Generate synchronozation compression data file



2. Sent by E-mail

3. Double-click the file after download



Marine Office PMS(Planned Maintenance System)

! Provides a chart of performance against budget that enable to report to ship owner

Budget management support to report performance of ship management

The Budget application is a cost control system designed to fully cover the process ranging from budget estimation to continuous supervision of expenses occurring.

[illegible]

Marine Office PMS(Planned Maintenance System)

! Automatically managed complex document numbering

Document number management

Build an efficient document management system numbering automatically in document of requisition, order, result by specifying the document number format according to regulations of each ship company.

The screenshot shows a software window titled "List" with a standard Windows-style title bar (minimize, maximize, close buttons). Inside the window, there is a dropdown menu labeled "적용문서" (Applied Document) with "구매요청서" (Purchase Request) selected. Below this, there are two main panels. The left panel, titled "문서번호형식 선택" (Select Document Number Format), contains four rows of configuration options: "선박정보" (Ship Information) with a dropdown set to "선박 CallSign" and a ">>" button; "부서정보" (Department Information) with a dropdown set to "부서약어" and a ">>" button; "날짜형식" (Date Format) with a dropdown set to "yyyyMM" and a ">>" button; and "연번자리수" (Serial Number Digits) with a text box containing "4" and a ">>" button. The right panel, titled "문서번호형식 미리보기" (Document Number Format Preview), shows the resulting format: "적용형식" (Applied Format) as "{회사약어}-{선박CallSign}-{yyyyMM}-{연번4}" and "적용예" (Applied Example) as "bmh-test-201109-0001". At the bottom of the window, there are four buttons: "초기화" (Reset), "초기화" (Reset), "저장" (Save), and "닫기(ESC)" (Close(ESC)).

Marine Office PMS(Planned Maintenance System)

! Easy to input basic data at initial introduction

Convenient initial data entry (Gathering)

Supports data entry through sample data in the pre-treatment post-processing type to help inputting vessel's information of old ship or initially transferred.

[Offering PMS list, Ship's Equipment list, Basic information code]

Marine Office PMS(Planned Maintenance System)

! Contributes towards improved maintenance on the vessel increasing efficiency by avoiding downtime and preventing parts malfunction.

JOB	Category	Function
PMS (Planned Maintenance System)	PMS maintenance	PMS Information
		PMS History
		RH List
	Refit management	Refit Information
		Refit Requisition
		Request Quotation
		Quotation
		Refit Order
		Request Payment (Invoice)
		Refit Result Report
	Purchase management	Purchase Information
		Purchase Requisition Status(SPARE, STORE-Engine/Deck, F.O, L.O)
		Request Quotation
		Quotation
		Purchase Order
		Result Report(Inventory Synchronization)
		Approval Requisition(Company's own form)
	Inventory management	Inventory status(SPARE, STORE-Deck/Engine, F.O, L.O)
		Supply/Consumption Status(SPARE, STORE-Deck/Engine, F.O, L.O, History)
		Consumption amount/Adjust quantity(INVENTORY Synchronization)

Marine Office PMS(Planned Maintenance System)

! A complete tool for keeping control of the vessel's maintenance, both planned and unplanned

JOB	Category	Function
Vessel Information Management	Vessel Information	Vessel Basic Information
		Common Equipment Information
		Ship's Equipment Information
	Material Information	Parts Information
		Consumable Information(Engine/Deck)
		Fuel Information
		Lubricant Information
	Electronic Document	Electronic Manual Information
Report	Work History Information	Document History
	Regular Report	Regural Report Category
		Regural Report Status

Marine Office PMS(Planned Maintenance System)

! Systematical and stable ship management that maintains plan and periodic inspections

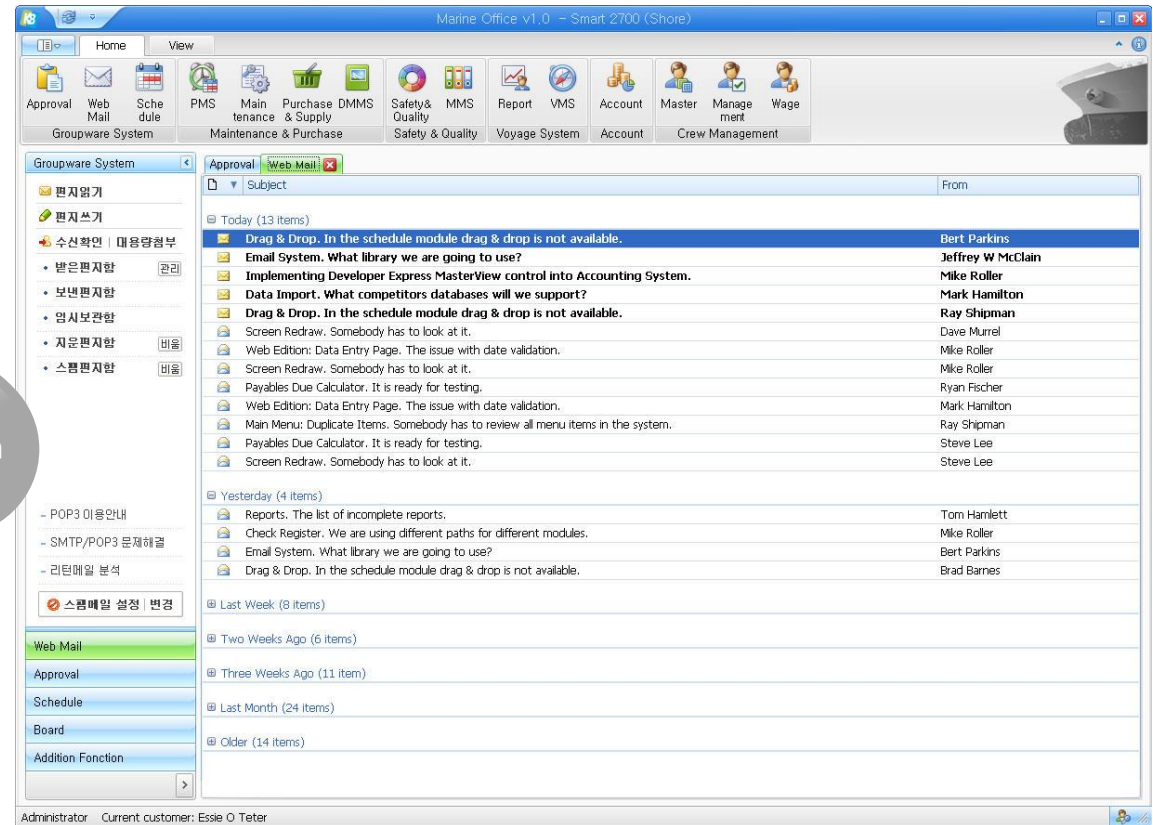
JOB	Category	Function
Basic Information Management	Crew Information	Crew information
		Aboard/Leaving information
		Crew Education information
	Employee Information	Employee information
	Vender Information	Vender list
	Budget Informantion	Budget Category
		Budget Exchange
		Budget Status
		Budget Used List
		Budget Report
Environment	Administrator Information	Setting Password
		Setting Authority
		Setting Company Information
		Setting Document Number
	Port Connect Information	Connecting Information
Report	Work History Report	Document History
	Regular Report	Regural Report Category
		Regural Report Status

Groupware

! Support electronic approval system and electronic document management between ship & shore, crew & employee

Groupware

Making documents (HTML format document possible) / Approval-Reject-Holding/ Approval between department / Circuration/ Reference / Approval phase management/ Security level management (View documents by authorization while delegation) / Support approval while absent /Send vessel's official document/ Electronic signature



Groupware

! Supports quick decision-making through electronic documentation of drafting, approval processing, approval and management than traditional paper documents.

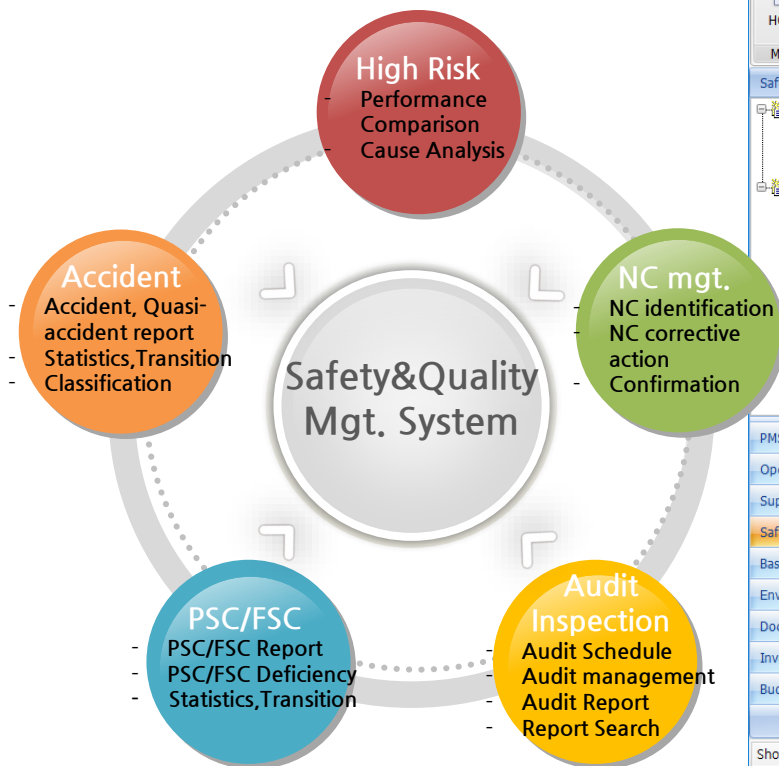
JOB	ITEMS		
Electronic Approval	Electronic Approval	Drafting	Waiting for drafting
		Approval	Waiting for approval
			Approval in progress
		Display	Display complete
		Sending	Sending in progress
		Receipt	Waiting for reception
		Personal documents	Completed documents
	Document	Book	Record register book
		Unit work, Record files management	Unit work code
			Record files
	Organization chart	Members - Lower menu by department	
		Absentee - Lower menu by department	
		Organization chart management	Department management
			Users management -Lower menu by department
			Position management

Safety & Quality management system

! Manages certificates and reports systematically to manage the safety & quality of the ship.

Safety & Quality management system

Marine Office enables to manage various reports and certificates to prevent ship accident and to analysis corrective action for vessel's safety & quality.



PSC/FSC Report List - Marine Office - V2.68

HOME PMS Information Repair Navigator Repair Requisition Repair Inquiry Repair Quotation Repair Order Repair Result Repair Invoice Purchase Navigator Purchase Requisition Purchase Inquiry Purchase Quotation Purchase Order Purchase Result Purchase Invoice

MAIN Audit Schedule List PSC/FSC Report List

Search Condition

Vessel (Not Selected) Print

Kind PSC Result No Deficiency Search All

PSC/FSC Report

PSC/FSC No.	Vessel	Kind	Inspection Date	Country	Port	Inspector	Result
001-201308-001-L	S/N QUEEN	PSC	2013-08-10	Country	DAESAN	Inspector	No Deficiency
001-201403-001-L	S/N QUEEN	PSC	2014-03-24	111	BUSAN	111	No Deficiency
001-201411-001-L	S/N QUEEN	PSC	2014-11-15	Japan	TOKUYAMA	Kim	No Deficiency
001-201411-002-L	S/N QUEEN	PSC	2014-11-14	Japan	KAWASAKI	Kim	Deficiency

Record 1 of 4

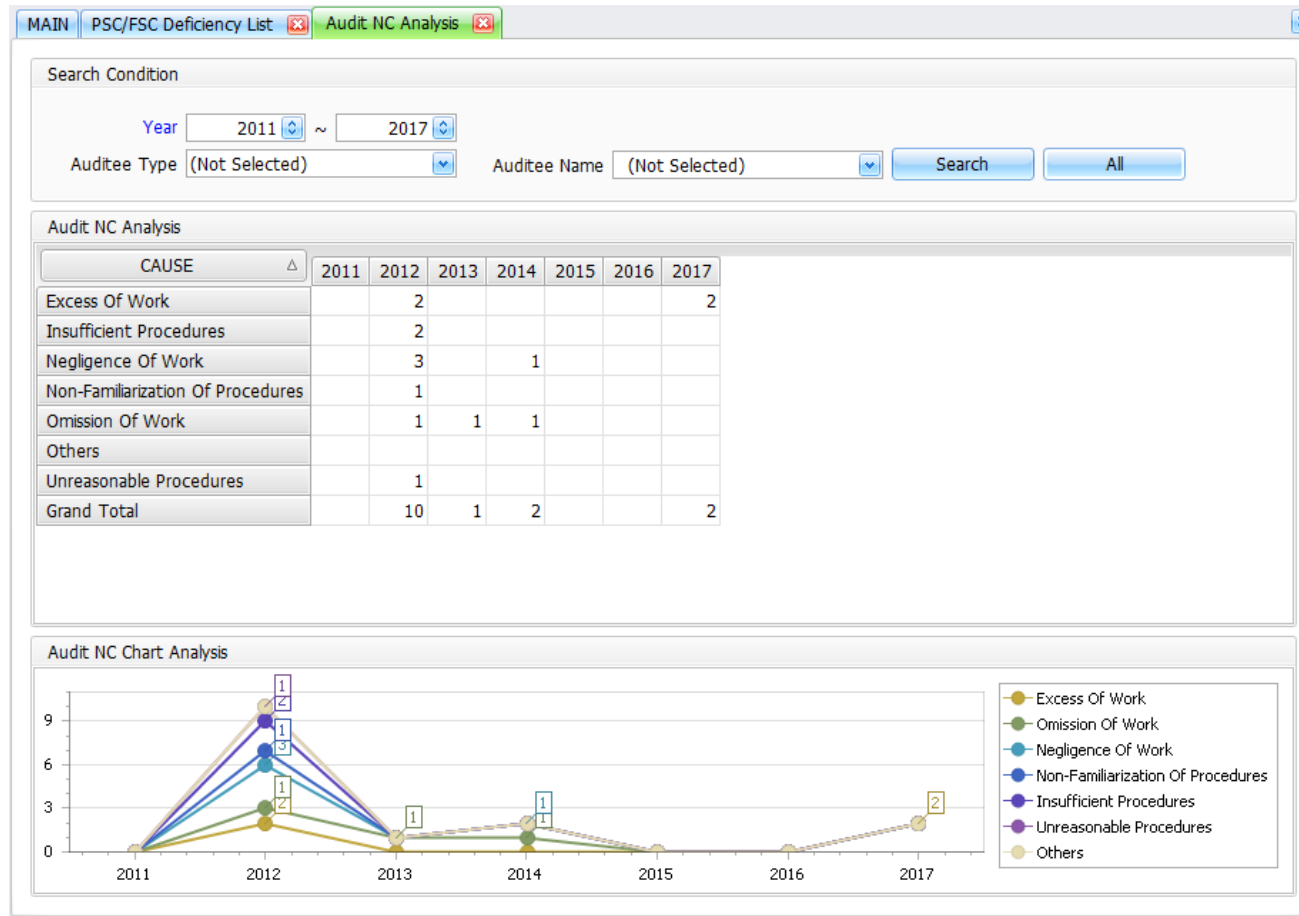
Shore Only jp DB Version : [10040] User (785)

Safety & Quality management system

! Manages audit & inspection NC analysis

NC(Nonconformity) Cause Analysis

Provides with advance measures about audit & inspection and various report forms that analyzes the cases of NC by causes and year.



Safety & Quality management system

! Manages yearly audit & inspection schedule

Audit & Inspection Schedule Management

Provides yearly schedule management function for ship's audition & inspection about audit type, month and status.

MAIN
Audit NC Analysis
Non-Conformity List
Audit Schedule List

Search Condition

Year 2014
Print

Auditee Type Vessel
Auditee Name (Not Selected)
Search
All

Audit Schedule
Add
Modify
Delete

Schedule No	Auditee Type	Audit Kind	Auditee Name	1	2	3	4	5	6	7	8	9	10	11	12	Basic Date	NC	Com. NC	Status
> 2014-001-00...	Vessel	ISPS	S/N QUEEN				o									2014-03-23	0	0	Schedule-Save
2014-001-00...	Vessel	INTERNAL	S/N QUEEN											o		2014-11-01	0	0	NC-Ing
2014-001-00...	Vessel	ISO9001	S/N QUEEN											o		2013-11-01	1	0	NC-Ing
2014-001-00...	Vessel	ISPS	S/N QUEEN											o		2013-12-01	1	0	NC-Ing
2014-001-00...	Vessel	INTERNAL	S/N QUEEN											o		2013-12-01	1	0	NC-Ing
2014-001-00...	Vessel	ISO9001	S/N QUEEN											o		2014-12-10	1	0	Audit Complete

Record 1 of 6

Safety & Quality management system

! Manages vessels PSC/FSC report & result

PSC & FSC Inspection Management

Provides PSC(Port State Control) & FSC(Flag State Control) inspection information about country, port and deficiency result.

MAIN
PSC/FSC Report List

Search Condition

Vessel (Not Selected)

Kind PSC

Result No Deficiency

Print

Search

All

PSC/FSC Report

Add
Modify
Delete

	PSC/FSC No.	Vessel	Kind	Inspection Date	Country	Port	Inspector	Result
>	001-201308-001-L	S/N QUEEN	PSC	2013-08-10	Country	DAESAN	Inspector	No Deficiency
	001-201403-001-L	S/N QUEEN	PSC	2014-03-24	111	BUSAN	111	No Deficiency
	001-201411-001-L	S/N QUEEN	PSC	2014-11-15	Japan	TOKUYAMA	Kim	No Deficiency
	001-201411-002-L	S/N QUEEN	PSC	2014-11-14	Japan	KAWASAKI	Kim	Deficiency

Record 1 of 4

Safety & Quality management system

! Manages systematically Certificates, Audit/Inspection information not paper documents

marine safety & quality management system

helps to reduce the administrative burden of relevant shipping industry regulations.

At the same time, it supports you regarding compliance with those rules and regulations.

And improves information flows and monitoring of actions when processing incidents/accidents

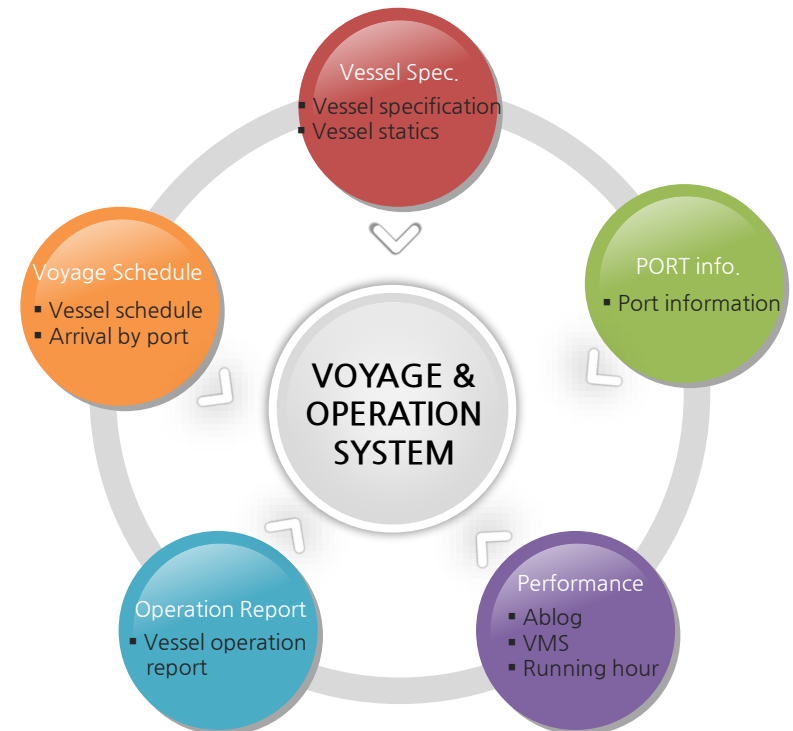
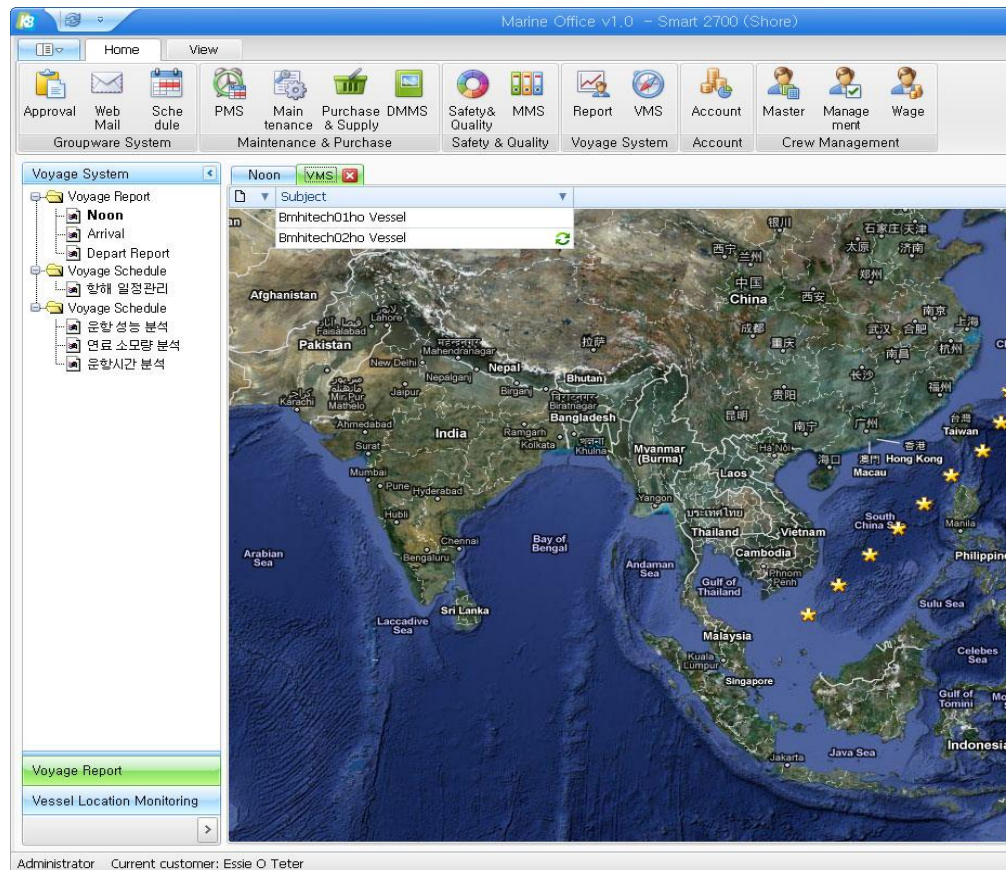
JOB	Category	Function
AUDIT/INSPECTION, CERTIFICATE management (Safety & Quality mgt.)	CERTIFICATES	Common Certificate Information
		Vessel Certificate Information
		Vessel Certificate Audit Information
		Vessel Certificate Inspection Information
		Vessel Certificate Expiration Status
	PSC/FSC/CLASS	PSC/FSC/CLASS Report
		PSC/FSC/CLASS Deficiency Report
		PSC/FSC/CLASS Deficiency Analysis Report

Voyage & Operation management

! Easy reporting of position, status onboard and fuel consumption

Accurate Voyage Reporting

Make quality shipping with high accuracy reporting and vessel's routes, positions presented on a map. Analysis the operation report (Departure, noon, arrival) to maximize the efficiency using data from voyage analysis (operation performance analysis, fuel consumption analysis, running hour analysis).



Voyage & Operation management

! Reporting with position, sailed distance, speed, FO/DO consumption

Arrival Report

Manages the arrival report when arriving the ship to the port about time info, draft info, distance info, oil consumption, ROB, speed etc and able to print in report form.

Arrival Report Arrival			
Basic Information			
Vessel	008 S/N QUEEN	Ref. No	bmh-TST2--201712-0...
Issued By		Date	2017-12-27 10:50:00
Voyage No			
<div> <div>Port Information</div> <div>Arrival Information</div> <div>Consumed at Sea</div> <div>Consumed S/By</div> <div>ROB Information</div> <div>Temporary Anchoring</div> <div>Eng. SPD P</div> </div>			
Time Information			
R/UP ENGINE		LET GO ANCHOR	
S/B ENGINE		POB	
TUG LEFT		FIRST LINE	
ANCHOR UP			
TOOK TUG			
TIME DIFFERENTIAL		0	
Draft Information			
Forward	0.00	Mid	0.00
After		0.00	
Distance Information			
S/B DISTANCE	0	MILE	
PROPELLING DISTANCE		0 MILE	
Revolution Counter			
R/UP TO NEXT S/By ENGINE		0	
<div> <div>Remark</div> <div>AB-LOG Remark</div> </div>			
Remark			
<div>Save</div> <div>Exit(ESC)</div>			

Arrival Report Add			
Basic Information			
Vessel	008 S/N QUEEN	Ref. No	bmh-TST2--201712-0...
Issued By		Voyage No	
		Date	2017-12-27 10:50:00
Arrival Information Consumed at Sea Consumed S/BY ROB Information Temporary Anchoring Eng. SPD PROPEL			
Consumption Information (F.O)			
Main Engine	0.00 M/T	Generator	0.00 M/T
Boiler	0.00 M/T	Total	0.00 M/T
Consumption Information (D.O)			
Main Engine	0.00 M/T	Generator	0.00 M/T
Boiler	0.00 M/T	Total	0.00 M/T
Consumption Information (CYL OIL)			
Main Engine	0 L		
Remark			
Remark <div></div>			
Save		Exit(ESC)	

Voyage & Operation management

! Reporting with position, sailed distance, speed, FO/DO consumption

Departure Report

Manages the departure report when depart the ship from the port about time info, draft info, distance info, oil consumption, ROB, speed etc and able to print in report form.

Departure Report Add

Basic Information

Vessel 008 S/N QUEEN
Ref. No bmh-TST2-201712-0...
Voyage No
Issued By
Date 2017-12-27 10:51:00

Port Information
Departure Information
Supply Information
Consumed In Port
Consumed S/BY
ROB Information

Time Information

R/UP Engine
POB
PLH
TOOK TUG
TUG LEFT
LAST LINE

Cargo & Draft Information

Cargo Q`TY 0
Forward 0.00
Mid 0.00
After 0.00

Distance Information

S/B DISTANCE 0 MILE

Revolution Counter

S/BY TO R/UP ENGINE 0

Remark

Save
Exit(ESC)

Departure Report Add

Basic Information

Vessel 008 S/N QUEEN
Ref. No bmh-TST2-201712-0...
Voyage No
Issued By
Date 2017-12-27 10:51:00

Port Information
Departure Information
Supply Information
Consumed In Port
Consumed S/BY
ROB Information

Consumption Information (F.O)

Generator 0.00
Boiler 0.00
Total 0.00

Consumption Information (D.O)

Generator 0.00
Boiler 0.00
Total 0.00

Consumption Information (SYS OIL)

M/E 0.00
G/E 0.00
Total 0.00

Remark

Save
Exit(ESC)

Voyage & Operation management

! Reporting with position, sailed distance, speed, FO/DO consumption

Noon Report

Manages the noon report about port info, navigation info, oil consumption, ROB etc and able to print in report form that exporting to various formats (pdf, xls, html, csv, text, image etc)

Noon Report Add

Basic Information

Vessel

008 S/N QUEEN

Ref. No

bmh-TST2--201712-0...

Voyage No

Issued By

Date

2017-12-27 10:54:00

Port Information

Arrival Port

Search Port

Latitude

__-__-__

N

Longitude

__-__-__

E

ETA

Navigation Information

Latitude

__-__-__

N

Longitude

__-__-__

E

Ship's Speed(knot)

0.00

Visibility

0.00

RPM

0.00

Wave Height(m)

0.00

Wind Direction

Relative Wind Speed(m/sec)

0.00

Relative Wind Direction(o'clock)

0.00

Consumption Information (F.O)

Main Engine

0.00

Generator

0.00

Boiler

0.00

Total

0.00

Consumption Information (D.O)

Main Engine

0.00

Generator

0.00

Boiler

0.00

Total

0.00

ROB Information

F.O

0.00

M/T

D.O

0.00

M/T

CYL

0

L

F.W

0

M/T

M/E SYS

0

L

G/E SYS

0

L

BALLAST

0

TON

CONTANT

0

TON

Remark

Save

Exit(ESC)

Voyage & Operation management

! Reports enable improvements in vessel performance.

Ablog

Provides ship's abstract log report that presents vessel's navigation, fuel oil consumption, machinery running hours etc.

MAIN
Operation Report
AB-LOG
Vessel Information List

100%

FAIR

SHIP'S ABSTRACT LOG

RANK	NAME	SIGN
C/ENG'ER		
MASTER		

접수일	담당	검토	확인	전결

SHIP'S NAME : VOY. NO.
REPORT DATE : 17-12-27
PORT : YEOSU

VOY. START : 15-07-30 14:20:00
PORT :
VOY. FINISH : 15-08-03 14:30:00
PORT : DONGHAE
TOTAL HOURS VOY.(D:H:M) : 4 0 10

1. NAVIGATION

PORT OF CALL		ARRIVAL DEPARTURE		HOURS IN PORT			HOURS UNDER WAY										SHIPS CONDITION			TEMPORARY ANCHORING		ENG. SPD PROPEL		SLIP					
							PROPELLING					STAND BY																	
		M	D	H	M	D	H	M	HOURS	DIST	AV SPEED	HOURS	DIST	SPEED	HOURS	DIST	SPEED	HOURS	DIST	DRAFT	TEU	NAME OF PLACE	HOURS	KNOT	PRM				
	S																												
	D	07-30	14-20	735	14	20														3.63	5.7	20000							
DONGHAE	A	08-03	14-30	735	14	20	4	0	10		14.00	3	21	30	1369	14.64	0	2	40	29	3.63	5.7		0	0	0	12.30	112.30	36.30
TTL				735	14	20	4	0	10		7.00	3	21	30	1369	7.32	0	2	40	29				0	0	0	6.15	112.30	18.15

Page 1 of 2
100%

Voyage & Operation management

! Manages various reports that occur at the port of arrival and departure and during navigation.

Realize digital vessel

As the most important technology of digital ship, Marine Office is safe navigation management system that integrates the entire system to track the actual operation of the ship and monitors and controls the system remotely.

JOB	FUNCTION
VOYAGE & OPERATION	Operation Report List
	Departure Report
	Arrival Report
	Noon Report
	Abstract Log Report
	VMS
	Protest Report

History

- + Company Brief
- + Main History
- + Certificates & Registrations
- + Developed Solutions
- + Business Areas

Main History of SIWOO E&T

! We have been developing software for business computerization for more than 14 years

Business Vision

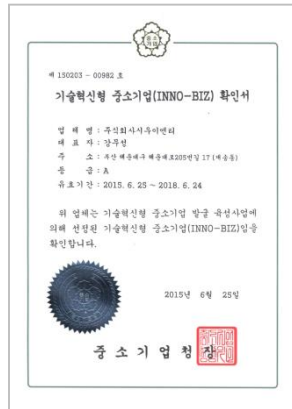
Analyze enterprise value and value developing service based on experience in various industrial fields

Business Information

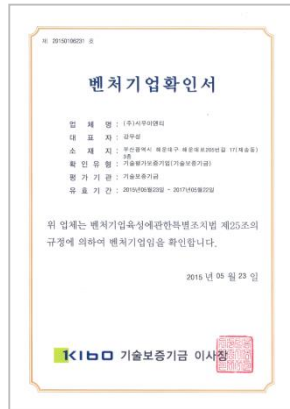
- Company Name : Siwoo E&T co.,ltd
- Established : 2004.06
- CEO : Mr. Musung KANG
- Address:
- Tel : +82-51-783-0824
- Fax : +82-51-783-0825
- Easypanme : www.easypanme.co.kr
- Marine Office : www.marineoffice.co.kr
- Digital Signage : www.sdsignage.co.kr
- 2004.06: Established corporation
- 2004.11: Develop Easypanme
- 2007.01: Computer addiction prevent solution(Banditburi)
- 2008.07: Customized groupware development
- 2009.01: Elec. Approval Solution, WebPOS
- 2010.03: Asset Management Solution(Bizasset)
- 2012.03: Hwamiju Integrated Computing system
- 2012.12: Marine Office vessel PMS solution
- 2013.04: Venture company, Social company registerd.
- 2014.05: Digital Signage solution(Smart DS)
- 2015.06: Registered as a innovation company(INNO BIZ)
- 2016.08: Cetificated NKclass in Japan (PMS)

! We seek to achieve technology-intensive company.

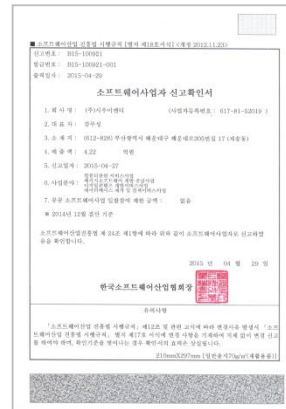
Siwoo E&T is an Innovative company and Venture company having multiful software registrations and patents certification since 2004.



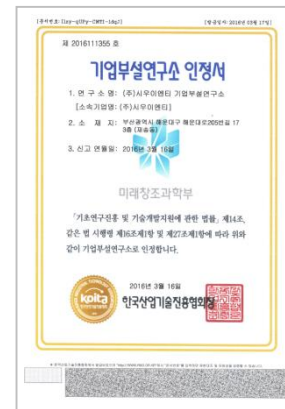
<INNObiz cert.>



<Venture Company>



<Software Development confir.>



<Research Institute rec.>



<Trademark registration cert.>



<Trademark registration cert.>



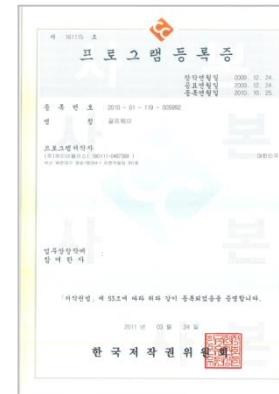
<Trademark registration cert.>



<Patent certificate>



<Patent certificate>



<Program Registration>



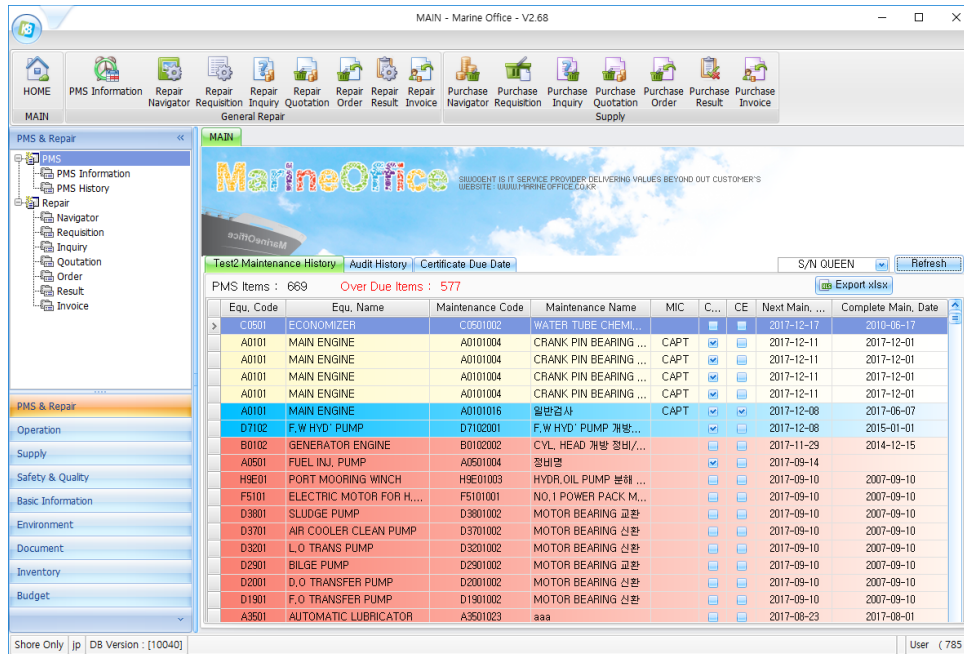
<Program Registration>

Main Solutions

! Marine Office - ERP system for vessel management.

Marine Office is integrated IT solution that support ship-shore-vender communication in PMS, inventory, procurement, budget, quality & safety and voyage for improved decision-making and efficiency of operations.

It acquires NKClass certifications for PMS management in Japan and GS(Good Software) certification as a quality software.



Japan NKClass cert.



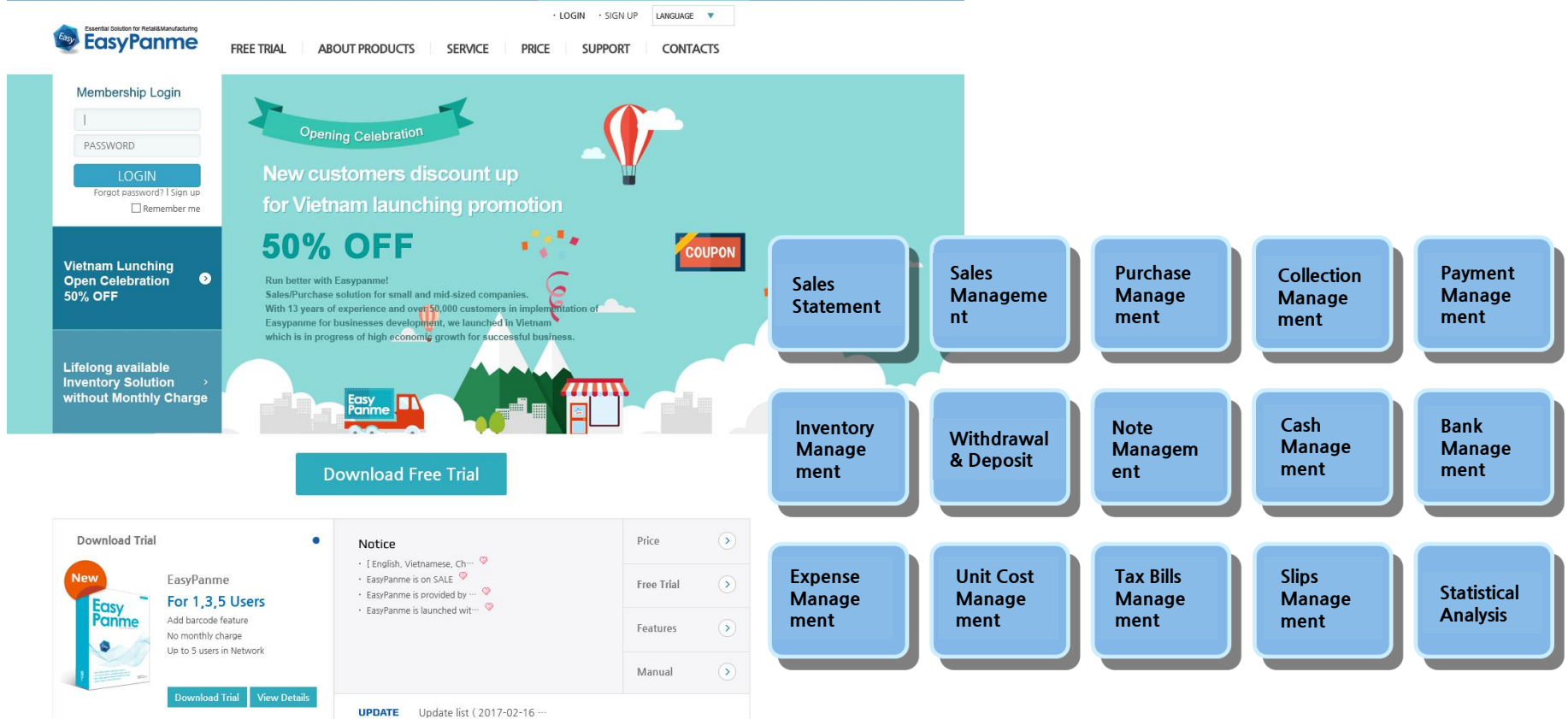
GS(Good Software) cert.

Main Solutions

! Easypanme - Essential Solution for Retail & Manufacturing

EasyPanme is a sales/ inventory management software that can be easy for anyone, which organizes the general information for small and medium-sized business. It takes advantage of the convenience of essential functions, such as tax bills, trading statements issue. Especially, EasyPanme is suitable for wholesale & retail, developed based on years of know-how and multiful experiences in the relevant field.

Over 50,000 are using Easypanme since 2004



The screenshot displays the EasyPanme website interface. At the top, there is a navigation bar with links for LOGIN, SIGN UP, and LANGUAGE. Below this, a secondary navigation bar lists: FREE TRIAL, ABOUT PRODUCTS, SERVICE, PRICE, SUPPORT, and CONTACTS. The main content area features a large promotional banner for a "New customers discount up to 50% OFF" for a Vietnam launching promotion. To the left of the banner is a "Membership Login" section with fields for email and password, and a "Vietnam Lunching Open Celebration 50% OFF" section. Below the banner is a "Download Free Trial" button. To the right of the banner is a grid of 15 software features, each in a blue box: Sales Statement, Sales Management, Purchase Management, Collection Management, Payment Management, Inventory Management, Withdrawal & Deposit, Note Management, Cash Management, Bank Management, Expense Management, Unit Cost Management, Tax Bills Management, Slips Management, and Statistical Analysis. At the bottom left, there is a "Download Trial" section with a "New" badge and a "View Details" button. To the right of this is a "Notice" section with a list of updates and a "Price" section with a "Free Trial" button.

Main Solutions

! BizProbe Web 1.0 - Integrated ERP system for franchise business

BizProbe is Store management solution that performing customer management and revenue management.

40 shops are using Bizprobe since 2012

파일 기초정보등록 보고서 도움말

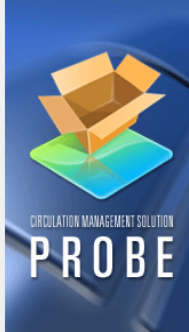
메뉴관리 정보 견적서 발행 발송서 발행 환경 설정 로그아웃

PROBE CIRCULATION MANAGEMENT SOLUTION

날자별 검색 2013-11-07 에서 2013-11-07 일까지 일어난 모든거래 검색

거래일(매월일)	장표번호	고객명	매출지점명	거래구분	금액	잔액상환(매월)
2013-11-07 15:39:33	437191	차명석	23 남포점	상품판매(매출)	27,500	접수완료
2013-11-07 15:39:34	437190	김문정	23 울산 호계점	상품판매(매출)	0	결제완료
2013-11-07 15:38:43	437187	장영미	36 용호점	상품판매(매출)	0	접수완료
2013-11-07 15:38:08	437186	송오일	37 황원 상남점	상품판매(매출)	0	접수완료
2013-11-07 15:37:41	437184	둘레꽃대점 고객	12 둘레꽃대점	상품판매(매출)	11,000	결제완료
2013-11-07 15:36:46	437181	이발석	35 서면 부건점	상품판매(매출)	60,500	접수완료
2013-11-07 15:36:38	437180	채영주	36 용호점	상품판매(매출)	10,000	결제완료
2013-11-07 15:35:34	437175	관영미	07 해운대홈플러스	상품판매(매출)	0	접수완료
2013-11-07 15:35:08	437172	김기억	21 경성대점	상품판매(매출)	0	접수완료
2013-11-07 15:34:53	437171	손남3	33 장유	상품판매(매출)	16,500	결제완료
2013-11-07 15:33:33	437167	손남	05 해운대점	상품판매(매출)	25,000	결제완료
2013-11-07 15:33:08	437165	손도동	07 해운대홈플러스	상품판매(매출)	110,000	결제완료
2013-11-07 15:32:59	437164	정영미	37 황원 상남점	상품판매(매출)	0	접수완료
2013-11-07 15:32:39	437163	김문아	28 덕천점	상품판매(매출)	27,500	결제완료
2013-11-07 15:32:08	437162	장상진	01 본점	상품판매(매출)	0	결제완료
2013-11-07 15:31:16	437161	류선혜	33 장유	상품판매(매출)	0	접수완료
2013-11-07 15:31:14	437160	박대화	12 둘레꽃대점	상품판매(매출)	0	접수완료
2013-11-07 15:31:12	437159	손남	05 해운대점	상품판매(매출)	11,000	결제완료
2013-11-07 15:29:44	437158	김숙자	14 연제점	상품판매(매출)	0	결제완료
2013-11-07 15:28:59	437156	석하나	37 황원 상남점	상품판매(매출)	22,000	접수완료
2013-11-07 15:28:31	437154	김대근	31 진해점	상품판매(매출)	52,800	접수완료
2013-11-07 15:28:14	437153	김승정	15 팔안점	상품판매(매출)	0	결제완료
2013-11-07 15:28:12	437152	변주영	15 팔안점	상품판매(매출)	44,000	결제완료
2013-11-07 15:27:57	437151	김성지	01 본점	상품판매(매출)	242,000	접수완료
2013-11-07 15:27:28	437148	박미영	33 장유	상품판매(매출)	572,000	결제완료
2013-11-07 15:27:21	437146	정민경	21 경성대점	상품판매(매출)	0	결제완료
2013-11-07 15:26:25	437143	정민아	35 서면 부건점	상품판매(매출)	52,800	접수완료
2013-11-07 15:25:56	437140	박순원	07 해운대홈플러스	상품판매(매출)	25,000	결제완료
2013-11-07 15:25:34	437138	이성준	36 용호점	상품판매(매출)	0	결제완료
2013-11-07 15:24:49	437135	최현영	05 해운대점	상품판매(매출)	880,000	접수완료
2013-11-07 15:24:39	437134	서면	02 서면점	상품판매(매출)	10,000	결제완료
2013-11-07 15:24:26	437133	구분기	12 둘레꽃대점	상품판매(매출)	0	결제완료
2013-11-07 15:23:57	437131	최대숙	01 본점	상품판매(매출)	0	결제완료
2013-11-07 15:23:55	437130	배지혜	21 경성대점	상품판매(매출)	0	결제완료
2013-11-07 15:23:40	437129	한대숙	02 서면점	상품판매(매출)	0	접수완료
2013-11-07 15:22:59	437125	권현경	01 본점	상품판매(매출)	220,000	접수완료
2013-11-07 15:22:49	437124	조세희	02 서면점	상품판매(매출)	33,000	결제완료
2013-11-07 15:22:48	437123	조세희	02 서면점	상품판매(매출)	33,000	접수완료
2013-11-07 15:21:58	437120	유동성	27 장산점	상품판매(매출)	0	접수완료
2013-11-07 15:21:50	437119	전정숙	32 울산 옥동점	상품판매(매출)	0	결제완료
2013-11-07 15:20:51	437113	미시름	02 서면점	상품판매(매출)	11,000	결제완료
2013-11-07 15:20:43	437112	고객8	08 서면 홈플러스점	상품판매(매출)	19,800	결제완료
2013-11-07 15:20:37	437111	마남점 고객님	10 마남점	상품판매(매출)	22,000	결제완료

PROBE CIRCULATION MANAGEMENT SOLUTION



유통관리솔루션 프로브 v1.0에 오신것을
진심으로 환영합니다.

유통관리솔루션 프로브 사용을 위해서 아래의 기본정보를
확인하신 후 로그인을 하여 주시기 바랍니다.

사용처: 기획실
대표자: 메인
주 소 : (600-051) 부산광역시 중구 향선동
17가 30-2

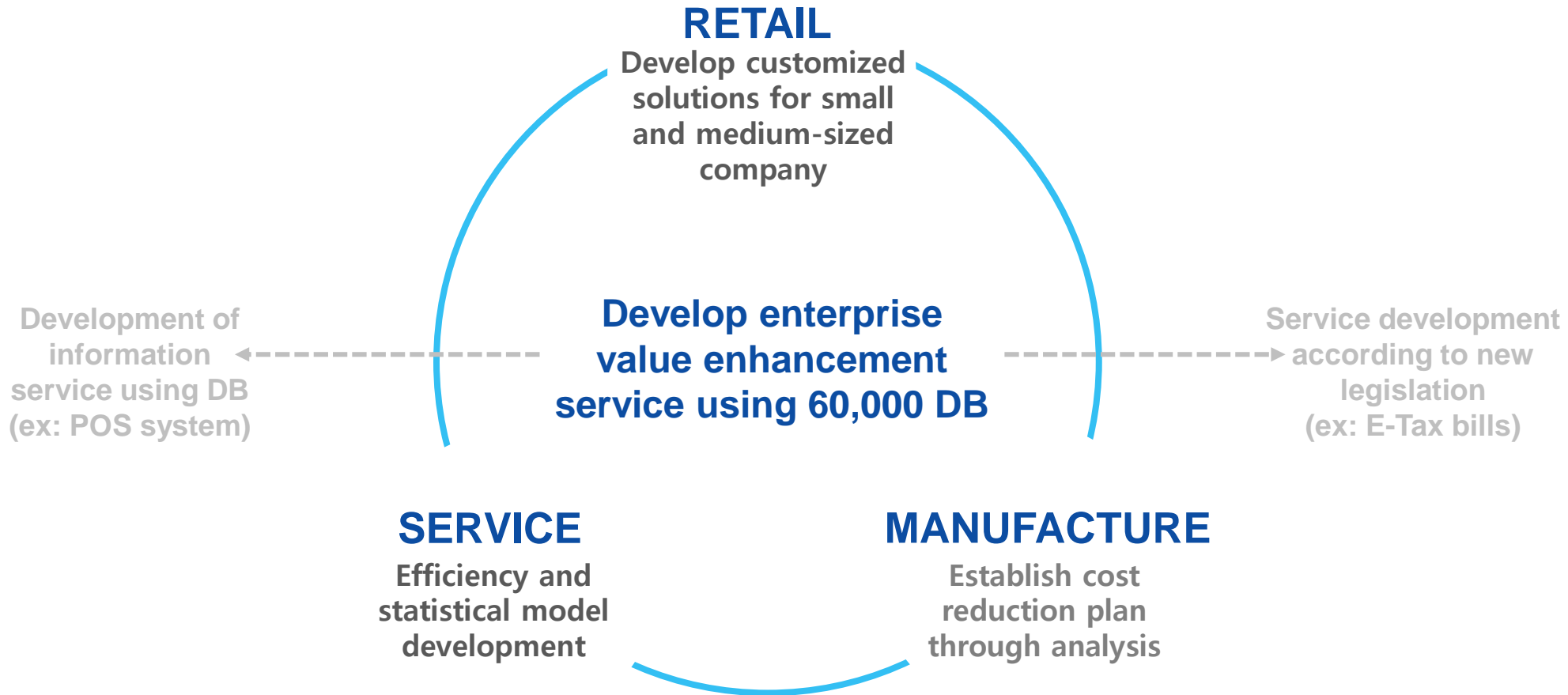
기본정보

아이디 :

비밀번호 :

Business Area Analysis

! We are trying to develop new business opportunities based on our customer DB.



Thank you.