Easily Monitoring complex ship management operations.

Advanced ship management system,
Marine Office **PMS**

Computerizing
ship management operations
0.1Km

"With our advanced ship management system, Marine Office **PMS**,
you can link shore office and vessels with just one click. "

Easy way of monitoring the status of complex ship management
including expense, maintenance, supply, inventory, survey, repair, etc.

Epoch-making improvement of the business process and accuracy
of ship management operations.

Cost reduction for ship management operations through the prevention of accidents/
malfunctions and redundant/omitted work as well as the timely management of vessels.

**Easy inquiry about the information on history management, and performance records,
statistics and analysis** regarding ship management operations.

Accurate and convenient processing of work no matter when or where you are,
at the company, on business trip, or at home.

Manage your complex ship management operations
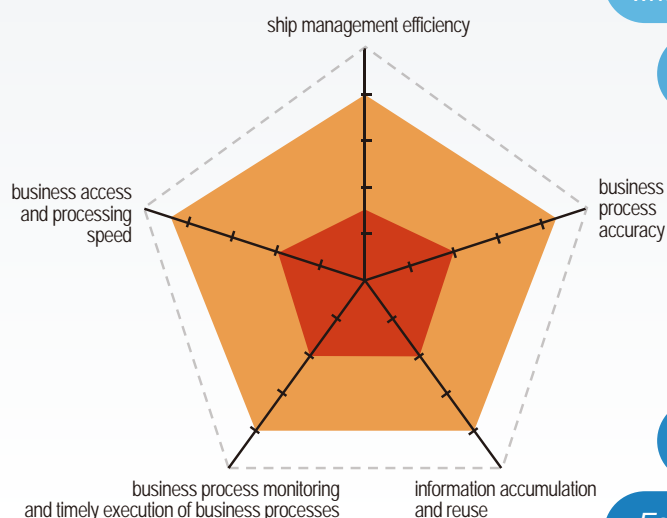more systematically and efficiently with "Marine Office **PMS**".

Marine Office **PMS**

Marine Office **PMS**
Ship Management System

Before System building
After System building

ship management efficiency

business access and processing speed

business process accuracy

business process monitoring and timely execution of business processes

information accumulation and reuse

With the accurate and convenient system which can be accessed no matter when or where you are, at the company, on business trip, and at home.

Conveniently used for overall business operations and processes including approval process and data transmission and reception.

Epoch-making improvement of business accuracy by preventing redundant and omitted work and operation mix-up.

Easy and accurate identification of the complexly connected series of operations including maintenance, inventory management, supply, survey, repair, etc.

Real-time monitoring of the status of ship management operations and timely execution of them.

Real-time monitoring of the maintenance and inventory status of vessels in easy way.

Easy and convenient data analysis and inquiry about history, performance, statistics.

▶ Product Components

Marine Office Suite
manages, monitors and supports overall operation of sub system : work portal, vessel monitoring, alert, groupware, integrated electronic approval process, external customer support, various information

PMS PLANNED MAINTENANCE SYSTEM
standardizes maintenance guidelines, cycles, staff for each equipment maintenance item and predicts maintenance time, establishes maintenance plans, manages maintenance results according to the maintenance guidelines, inquires about maintenance history and analyzes maintenance results.

SURVEY CLASS INSPECTION
predicts inspection date, establishes plans, manages results, inquires about history, and manages related documents.

GENERAL REPAIR
standardizes a large number of vessel equipments, processes equipment repair requests, multiple quotations, orders, inspections and expenses, inquires about repair history and analyzes repair results.

DOCK REPAIR
establishes vessels' docking plans, finalizes docking specifications based on the standard docking specifications, executes repair, monitors repair status.

PURCHASE & SUPPLY
standardizes a large number of vessel equipments, processes bills for vessel equipments, processes multiple quotations, orders, inspections and expenses, inquires about supply history, and analyzes supply records.

INVENTORY
manages delivery of vessel equipments and inventory details and history
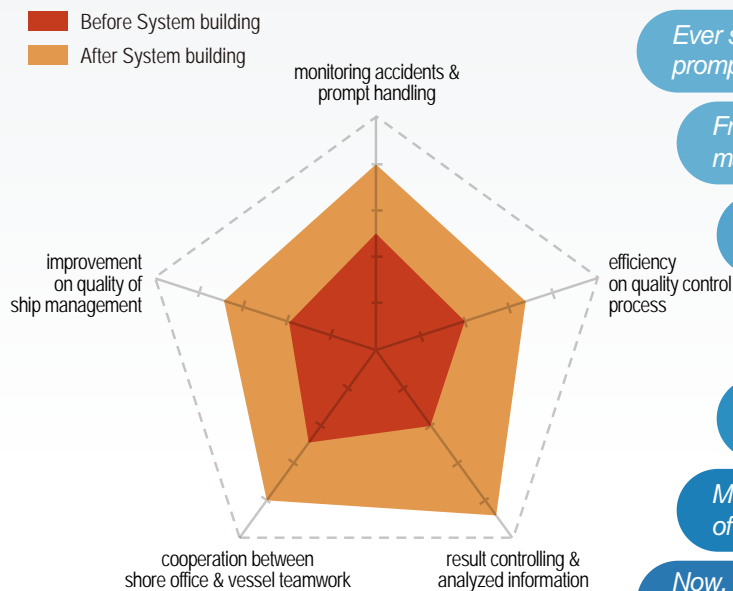
DMMS DRAWING AND MANUAL MANAGEMENT
By storing information regarding a large number of vessel drawings saved in the drawing room in the electronic media, drawings and manuals can be utilized at any time and place. That information can also be used in other related operations including maintenance, repair, purchase, supply, and inventory management.

Please refer to our homepage **http://www.thinkmarine.com** for more product information and experience.

ISO, ISM, ISPS... Audit, Non-Conformity, CA/PA...
Good partner for vessel safety & quality control!

Safety & quality management system,
Marine Office **S&Q**

ISO, ISM, ISPS, SOLAS, MARPOL**...** strengthend international laws!
Systematic management and fast preparation is the key!

"Marine Office **S&Q**" - Safety & quality management system

- ✔ Fast distribution of regulations to vessels, aduit, non-conformity and CA/PA...
  good partner for vessel safety & qaulity control!
- ✔ **Assist vessels in preventing and managing accidents** such as reporting, monitoring, fast news,
  and training against accidents.
- ✔ **Manage and analyze audit** such as ISO/ISM/ISPS, **non-conformity**, **CA/PA**.
- ✔ **Manage and analyze boarding inspection, PSC/FSC inspection**.
- ✔ **Support for right decision making through analysis of true information**
  from audit, non-conformity, inspection, and CA/PA, etc.

"Marine Office **S&Q**", safety & quality management system,
will assist to prepare for the strengthening international laws
systematically and quickly.

Marine Office **S&Q**

Marine Office **S&Q**
Safety & Quality Management System

Before System building
After System building

monitoring accidents & prompt handling

improvement on quality of ship management

efficiency on quality control process

cooperation between shore office & vessel teamwork

result controlling & analyzed information

Ever strengthening international law, prompt handling with organized and fast system

Frequently updated company's guidelines and instructions ... make new, updated documents easy & fast distribution to vessels

Maritime/Port/Technical information and accident prompt report ... send them to all the vessels right away

Work omissions that can be happen in teamwork, fast follow-up without delay when accidents happen

Monitoring the situation of non-conformity and CA/PA from audit or inspection in Real-time

More efficiently for quality assurance activity of shore office & vessels as a whole

Now, with one-click for reports for information analysis of accident, audit, and NC analysis and for decision making

▶ Product Components

Marine Office Suite
manages, monitors and supports overall operation of sub system : work portal, vessel monitoring, alert, groupware, integrated electronic approval process, external customer support, various information

RMS REGULATION MANAGEMENT SYSTEM
manages effectively new and updated regulations and manuals, history management, integrated search, and prompt distribution to vessels

ACCIDENT
manages all accident information, monitoring the process, publishing instant news, and analysis report for handling information for emergent accidents, vessels, assigned supervision, controlling accident and investigation data of safety team

AUDIT/NON-CONFORMITY
manages company's international or external audit plan for shore office and vessels, notifications, result, data analysis, controlling NC and CA/PA based on the audit

INSPECTION
manages plans for boarding inspection, check-list, result of PSC/FSC inspection, and monitoring correction procedure through different inspection controls

Please refer to our homepage **http://www.thinkmarine.com** for more product information and experience.

THINKmarine
Thinkmarine Co., Ltd

Voyage Schedule, Voyage Report, VMS, Abstract Log, Voyage Analysis...
Simple & Easy Voyage Management System

Voyage management system,
Marine Office **Voyage**
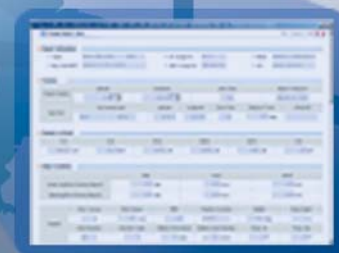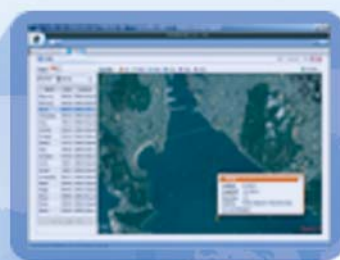
Voyage Schedule
VMS (Vessel Monitoring System)
Voyage Report (Noon / Arrival / Departure)
Automatic Abstract Log Funtion
Analysis of Operation Performance, ROB, Voyage Hour
Port Information

With one easy-to-use program,
Monitor, Manage and Analyze hundreds of vessels' voyage!
Voyage management system "Marine Office **Voyage**"

Marine Office **Voyage**

Marine Office **Voyage**
Voyage Management System

Improve your ability
with Marine Office Voyage Management System.

Operation Performance Analysis

Abstract Log

Voyage Report

VMS (Vessel Monitoring System)

Marine Office

Voyage Management!
Experience "Marine Office **Voyage**".

Please refer to our homepage **http://www.thinkmarine.com** for more product information and experience.

THINKmarine
Thinkmarine Co., Ltd

TEL +82-51-333-1844 **FAX** +82-51-333-1845
Homepage www.thinkmarine.com **E-mail** admin@thinkmarine.com

Frequent new and update regulations! The inconvenience of vessel distribution!
Send regulation to all the vessels, Right away!

Specialized marine regulation management system,
Marine Office **RMS**

SOLAS
MARPOL
ISO
Instruction
Guidelines
Business
Regulation

REGULATION

"Marine Office **RMS** will distribute
new or updated regulations to vessels in real-time."

Company's guidelines, regulations, and instructions…
Do you **spend so much time** and is it **so inconvenient to distribute** them to vessels?

Marine Office **RMS** will make
new and updating work and history management easy, and it costs less,
and **distributes data instantly to vessels** with one-click,
and will revolutionize the work like **standardization of documents, fast and accurate
work performance** through computerizing the related works.

"Marine Office **RMS**",
specialized marine regulation management system,
will increase efficiency and decrease work time and cost.

Marine Office **RMS**

Marine Office **RMS**
Regulation Management System

Marine Office **RMS** is the specialized system for marine regulation management. It allows making new regulations and updating and disposing them efficiently. Search and viewing the regulation is easy. When new regulation is made or updating or disposing them occurs, it allows distributing the contents instantly to all the vessels at the same time.

Distribution **Time Whenever Needed**

Distribution **Cost More Than 70% Saving**

Build-up Information & Reuse

Time taken for work & Accuracy

Item		Typical method	Marine Office **RMS**
Categorized Item		Text is just listed without organization	**Categorized into chapter, unit, section**
Storage Form		Print-outs, file (word, Hansoft Form)	Database
Usage Form		Print-outs, file (word, Hansoft Form)	Web-based system (Effient search & viewing)
New/Update		Very much like typical documents	Can add or update section by section
Managing History		Only final updates	**Manage history of new/update for each section** Keeps the updated contents
Distri-bution	Shore	Print-outs, file (word, Hansoft Form)	On-line
	Vessel	Print-outs, file (word, Hansoft Form) • Too much time is spent for distribution • High communication cost • High cost of Man/Hour for distribution	On-line • **Instant distribution** • **Very low communication cost** (only updated contents) • Save cost of Man/Hour for distribution

▶ Feature

Manage Regulation Database	Manage Revision Database	Distribution to Vessels	Searching the regulation
• Manage regulation groups • Manage authorization level • Manage documents categorized by chapter, unit and section • Manage document links • Manage file links • Manage document forms	• Manage documents, forms, update history (edition) • Can integrate with approval process • Backup the disposed regulations • Search new and updated contents and their history	• Distribution process is executed when new document is made or document is updated or disposed. • Only changed data is transmitted. • It notifies the distribution to the vessel.	• Search for the related regulations only • Integrated search

Save Distributing Cost through managing updated contents

Manage regulations in small units such as chapter, unit, and section. Enables to distribute only the part where change is made which allows transmitting minimum in size.

Standardization of regulation in marine business

Integrated management of all regulations, guidelines, related documents, and forms.
Assist in standardizing regulation process.

Fast distribution of update contents through On-line

Distributing to individual vessel or all the vessels at the same time through internet.
It can be used directly for work on vessels as well as on shore office.

Improve Accessibility through integrated search

Stores the regulation in electronic documents unlike in old styled word files or print-outs.
Integrated search is possible and provides improved accessiblity.
Allows links between different regulations.

Please refer to our homepage **http://www.thinkmarine.com** for more product information and experience.
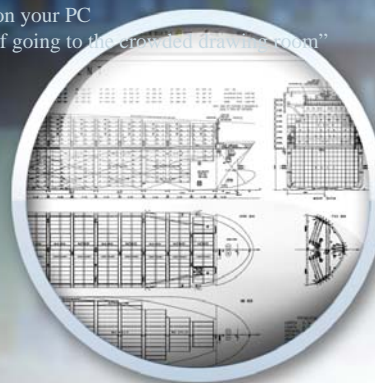
Still looking for the drawings & manuals of vessels in the storage?

Specialized vessel drawing & manual management system,
Marine Office **DMMS**

"You can use data instantly on your PC
without taking the trouble of going to the crowded drawing room"

VS

Vessel Drawing & Manual - An indispensable data for ship management!

Is it so inconvenient because you have to find them in the storage room and copy and fax them?

Now you can access the drawing & manual you need on the system at any time.

THINKmarine, a company which made computerizing hundreds of vessels' drawing & manual possible, will systematically computerize your vessel drawing & manual and

prove how much you can increase work efficiency and how much you can reduce the cost.

"Marine Office **DMMS**" - Vessel Drawing & Manual Management System

Marine Office **DMMS**

Marine Office **DMMS**
Drawing & Manual Management System

Marine Office **DMMS** allows computerizing the vast amount of vessel drawing & manual. That enables you to use the drawing & manual at any time at any place. It also can be integrated with all other ship management work such as maintenance, repair, purchase, supply, and inventory.

"Many customers already experience the effectiveness of **THINK**marine computerizing the drawings."

Utilization
at any time
at any place

Easy Storing & Easy Management

Increase
the utilization of integrated work

| Item		Print-out drawing & manual	Marine Office **DMMS**
Storage/ Manage- ment	Storage	Books, Drawings (Print-outs)	Database & Electronic Files
	Volume	400 ~ 600 books (30,000 ~ 400,000 pages) per vessel	One hard-disk or one DVD
	Storage Method	Storage Room (Drawing Room)	No Storage Room is needed
	Management	Man working hour for managing books	No working hour
	Damage	Damage, loss	Permanent storage (No data loss)
Use Method		Only a few allowed people can search using the list in the storage place	As Many people can use them concurrently where internet is accessible
Distribution Method		Distribute photocopies, fax	Electronic distribution

Manual Book

Code Book

Cylinder Cover

DETAIL REPORT FOR ENGINE DEFECT

GENERAL ARRANGEMENT

Vessel Drawing Book

Marine Office

Please refer to our homepage **http://www.thinkmarine.com** for more product information and experience.

THINKmarine
Thinkmarine Co., Ltd

Registered ISO 9001:2000

UKAS QUALITY MANAGEMENT

Product born for shipping and marine

Specialized groupware for marine,
Marine Office **Groupware**
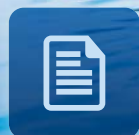
Electronic Approval
for fast decision making

Scheduler
for meeting notice
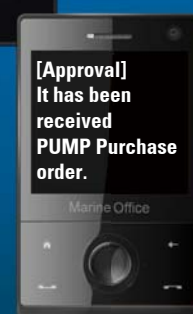*& data sharing*

E-mail, SMS, Alert
during the business trip

Web-hard
for vast amount of work data

Company mails
for customer management

Intergrated Search
for work know-how & history

Marine Office **Groupware**

[Approval]
It has been received
PUMP Purchase order.

Marine Office

New documents and materials created for busienss all the time, endless approval processes,
endless communications of sending and receiving between businesses!... **How are you handling them?**

You can check the document at any time, at any place like at the company, on business trip, or at home
and you can proceed to the approval process, send end receive mails, share information...

Start standardization of work using Marine Office Groupware!

Low-cost, easy to introduce!
Standardization comes true and maximizing the effectiveness!
Specialized groupware for marine "Marine Office **Groupware**"

Marine Office **Groupware**

Marine Office **Groupware**
Marine Groupware

SPEED
business processing

CREDIT
company

INFORMATION
sharing & utilization

Data sharing

Company's credibility

Data accumulation

Business Speed

Decision making
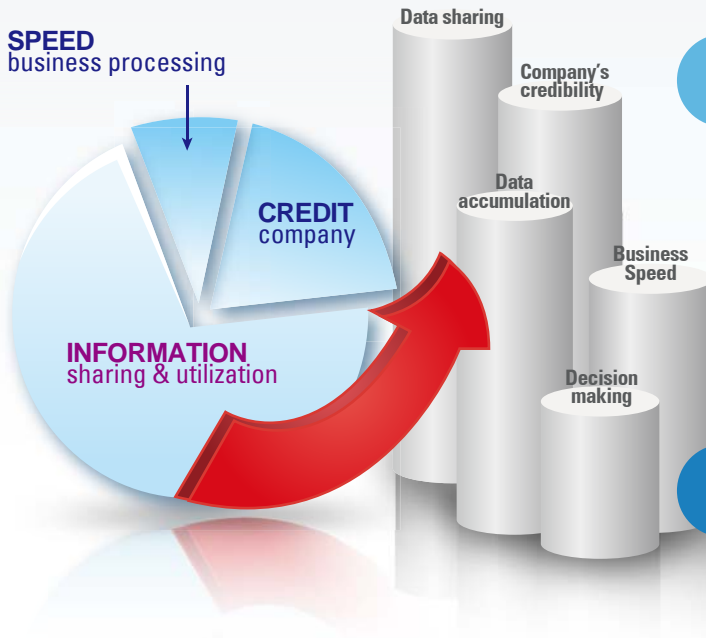
The work problem from vacancy caused from the business trip can be handled by SMS and ALERT. No problem!

Manage all the scattered data in PC, Web-hard, USB, CD, Fax, and mails in the company's groupware systematically.

Build cumulative data, know-how, and work history and manage them for faster search and work performance!

Make communications for work more convenient by sharing data such as boarding schedules, all meeting schedules, and other data.

First step for customer service, providing company's own E-mail address.

▶ Feature

Approval
controls all the approval processes such as creating electronic approval documents and handling the process with no papers, and documents recording and inquiring them.
Write approval document, manage form, manage approval line, approve/reject/hold/conference, circulation/reference, approval document box, security setting, post retrieval document, absence setting

Bulletin Board
enables employees to share their information, knowledge, and data.
Hierarchical board(notice, Q&A, album), manage groups, manage categories, permissions(person, department, organization), manage pop up, move/reply/comment/ recommend document, upload limit(capacity, number of file), statistics by recommend & activity

Album
allows managing albums for pictures with categorizing, moving, and sharing capability on the web.
Hierarchical album, permissions(person/department/ organization), move photo, integrated search

Web-Mail
manages sending and receiving mails through integration of shore office/vendor/vessel information.
Sending & receiving mails, address book, group mail, backup & restore mailbox, personal mailbox, filtering, reply & forward for all, automatic reply, review mails

Scheduler
manages all schedules providing one unified calendar for schedules of different individuals & shared schedules.
individuals/shared schedule, user-friendly interface of calendar, repetition(yearly/monthly/weekly/daily), holiday/ event setting, progress setting(before progress, under progress, completion of progress)

Web-Hard
provides storage on the web(space for files to be saved for internet) so it allows files safety to be saved, managed, and shared.
individuals/shared folders, permissions by folders, manage capacity, manage personal data on the integrated server, searching file information

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The vivid of spot which spreads on the monitor
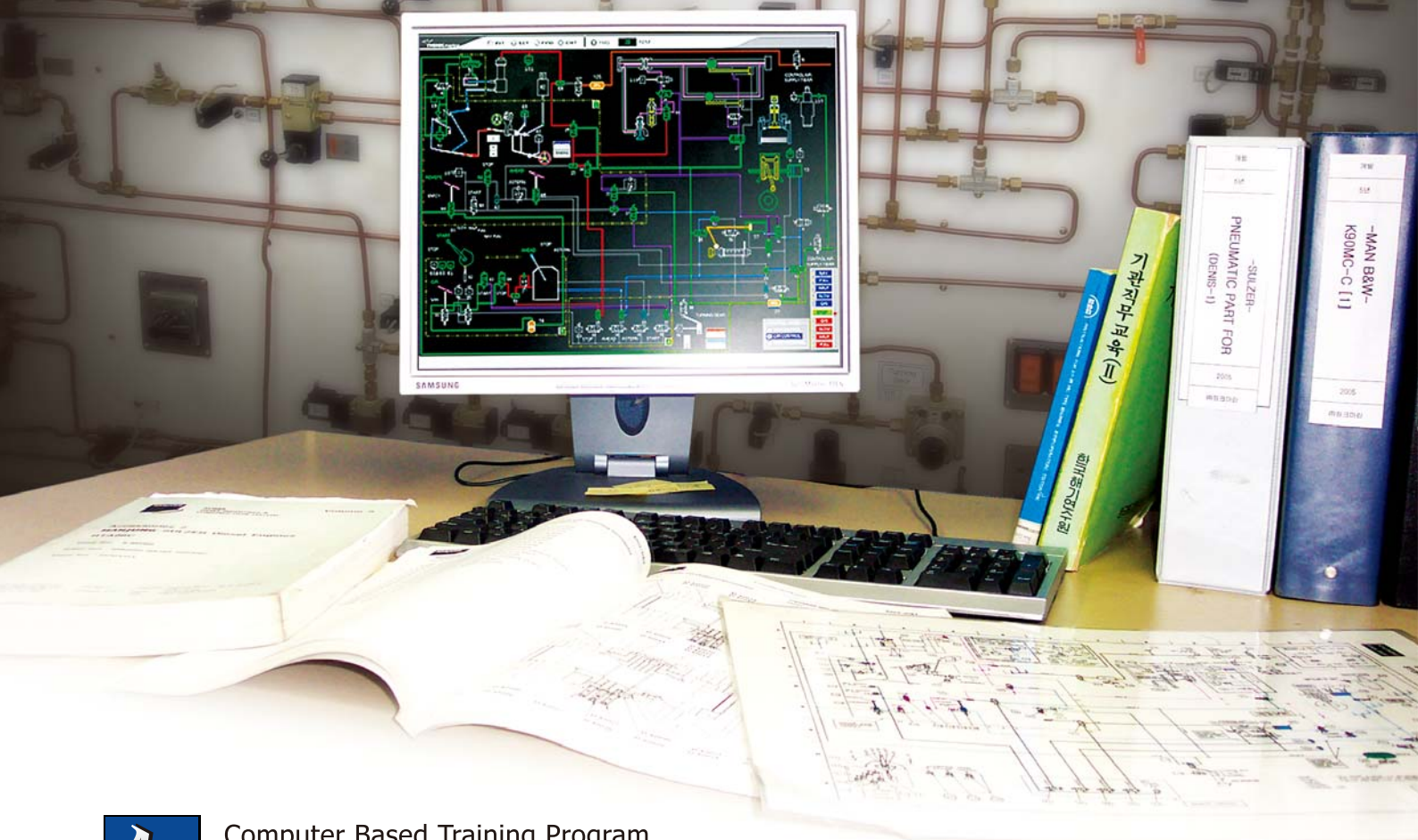
Computer Based Training Program
MASTER SERIES

New paradigm of Marine engineer education
Meet now "Master Series"

All education is base of sensible acknowledgment and the potential possibility
can be developed through properly sensible experiences
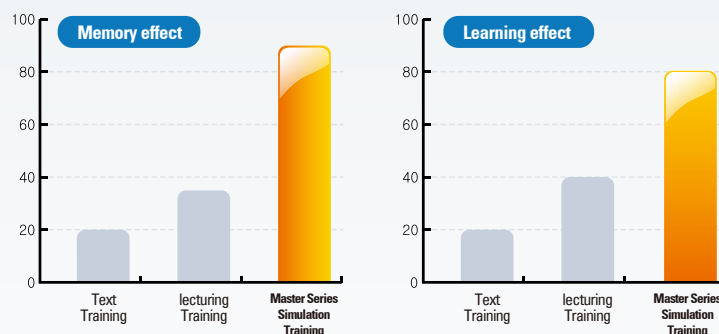
Johann deinrich pestalozzi

Master Series
Vessel Equipment CBT Solution

"
All sorts of simulation tools which provided to program can be practice like real operation that can understand complicated machinery movement mechanism and study by oneself. "

The educate organization and company can reach the maximum value when use this program as a audio-visual education and practical materials.
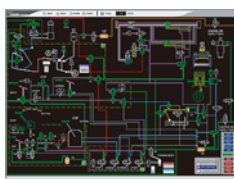
▶ Product Components
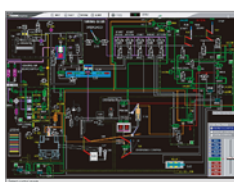
Pneumatic Master SULZER DENIS-1

Simulation for Pneumatic Control by M/E starting, stopping, running
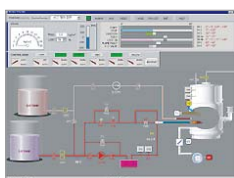
- Visual and dynamic Diagram
- Multifunction (Auto, Step, Time Interval)
- Actual picture and technical information

Pneumatic Master MAN B&W 70MC

Simulation for Pneumatic Control by M/E starting, stopping, running

- Visual and dynamic Diagram
- Multifunction (Auto, Step, Time Interval)
- Actual picture and technical information

BOILER MASTER

Simulation for Aux.Boiler

- ACC (Automatic Combustion Control) by time-chart and manual control simulation
- Boiler water level control simulation by PID controller and Parameter [SP, PB, Ti, Td]
- Boiler sequence simulation by ACC and sequence circuit.
- Steam pressure, F.O temperature, F.O pressure, boiler water level are changed by actual system modeling data
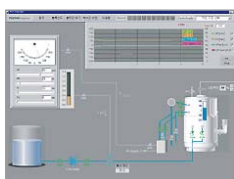
PID MASTER

Simulation for PID Control system

- Adjusting main control parameters[SP, PB, Ti, Td] and PV(Point value), Valve open Off-Set
- Block diagram which is applied by alteration of main control parameters
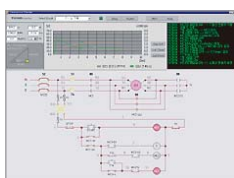
SEQUENCE MASTER

for Motor & Air Compressor start/stop circuit

- Direct start/stop circuit, Y-△ start/stop circuit, Reactor start/stop circuit
- Compensator start/stop circuit, 2nd resistance start/stop circuit
- Pump start/stop circuit, Air compressor sequence circuit
- Comparable start current with running current
- Printing motor alteration of voltage[V], current[A], RPM, power[KW], slip[%], Pe[KW], Pr[KVAR], power factor in real time

Major customers   STX, KIMFT, Korea Maritime University, STX Panocean, Hanjin Shipping, HMM, etc...

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