

GLOBAL PARTNER



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C O N T E N T S

- 04 CEO MESSAGE
- 06 HISTORY
- 08 ABOUT HME
- 10 QUALITY ASSURANCE
- 12 POWER DIVISION
 - 14 Low Voltage Switchboard
 - 15 Motor Control Center
 - 16 Uninterruptible Power Supply
 - 17 Battery Charging and Discharging Board
 - Variable Frequency Drive
- 18 AUTOMATION DIVISION
 - 20 Control Console
 - Integrated Control & Monitoring System
 - 21 Light Signal Column
 - Group Light Control Panel
- 22 INSTRUMENT DIVISION
 - 24 Motor Controller
 - Alarm Indicator
 - Group Annunciator
 - 25 Earth Detector
 - Synchroscope
- 26 SERVICE NETWORK
- 27 MAJOR CUSTOMER

GLOBAL PARTNER

We are specialized in the design and manufacture of state-of-the-art electronics including marine equipment maintenance and supply business through continuous growth



Our goal is to be the best in our industry to meet your expectation by developing innovative technology and providing exceptional service.

WE ARE **BEST**
WE ARE **TRUST**



“

Founded in 1994, HME Co., Ltd. has been supplying overall main distribution frames and various power supply units and many system control devices of the ship from general merchant, ship, special ships to marine plant projects, and confidently competing with the leading companies with outstanding technologies and excellent quality products.

Moreover, we have been making dedicated effort in developing our technologies through technical and information exchanges with the world-renowned companies.

HME promises to continue supplying the best quality products and services with diverse and rich technologies based on long experience, and promises to become a better company that you can rely on more by striving to be the best in our work area so that you and we are satisfied.

”

HME PRESIDENT
DAEJIN, LEE

HISTORY



1994

- » Work Electronics founded

1998

- » Changed the company name to <Hyomyung Engineering>
- » The Hyomyung Engineering factory registered [5-332-02]

2000

- » Expanded and moved the company
- » Obtained the ISO9001 certification (DNV: 00-SEO-AQ-0624)
- » Obtained the CE certification for ANNUNCIATOR (TUV: AE203783801)

2001

- » Obtained the CE certification for LIGHT SIGNAL COLUMN (RWTUV: KZ-01-E-01581)

2002

- » Obtained the ABS certification for ANNUNCIATOR (ABS: 02-BK60596-X)

2003

- » Obtained the KR certification for ANNUNCIATOR (KR: BSN80262-AC001)

2004

- » Obtained the CE certification for I/I CONVERTER (RETUV: K1097/E04)
- » Obtained the CE certification for R/I CONVERTER (RETUV: K1096/E04)
- » Obtained the CE certification for V/I CONVERTER (RETUV: K1098/E04)

2005

- » Obtained the CE certification for VALVE CONTROL UNIT
- » Obtained the BV certification for GROUP ANNUNCIATOR (BV: 14746/A0BV)
- » Obtained the CE certification for ANNUNCIATOR (MIMIC MOUNTING TYPE) (K: 1235/E05)

2006

- » Obtained the INNO-BIZ corporate certification (No. 6021-1623)
- » Obtained the CE certification for BATTERY CHARGER CONTROL UNIT TYPE (K1188/E06)
- » Obtained the BV classification for BATTERY CHARGER CONTROLLER TYPE (17517/A0BV)
- » Obtained the KIMM certification for EX PROOF TYPE LIGHT SIGNAL COLUMN
- » Obtained the CE certification for LIGHTING CONTROL PANEL (K1467/E06)

2007

- » The Exemplary Taxpayer Citation
- » Main-Biz SMB
- » Venture Company
- » Korea Technology Fund Corporation Member

2008

- » Expanded and moved the company (Gijang, Busan)
- » Quality Company by Samsung PILS

2009

- » Obtained the ABS certification for MOTOR CONTROLLER (BK1636638-X)

2010

- » <HME Corporation> founded

2011

- » Signed the agent promotion contract with DANFOSS (Danish VFD manufacturer)
- » The HME Corp. factory registered

2013

- » Signed the agent promotion contract with SERVOWATCH (AMS manufacturer in the UK)
- » Obtained the MED certification for LIGHT SIGNAL COLUMN

2014

- » Expanded and moved the company (current location)

About HME



Enterprise that thinks of
Human Beings First

We will become trustworthy company and always provide
high quality and capability to complete in every request of customers.

Company Overview

Company name	H.M.E		
President	Lee Dae-Jin	Biz Ford	Manufacture
Head Office	43 Jangansandan-ro, Jangan-eup, Gijang-gun, Busan KOREA		
Factory	43 Jangansandan-ro, Jangan-eup, Gijang-gun, Busan KOREA		

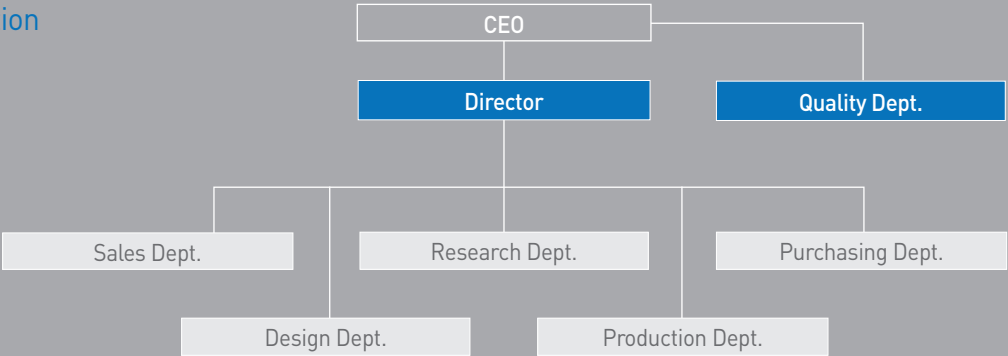
Head Office

Floor	Size	Purpose
1st floor	330	Factory
2st floor	330	Factory
3st floor	330	Office

Factory

Floor	Size	Purpose
1st floor	4786	Factory

Organization



Quality First

HME will provide the best products and services based on know-how accumulated over a long time and continuing R&D.



HME Since 1994



The Quality Assurance (QA) program of HME is flexible and can be adapted to meet customer requirements and to accommodate any scope of manufacturing works.

Our QA program has been assessed by the ISO9001 Quality management system, DNV.

The management System is fully committed to furnishing our customers with the highest level of quality products and services in compliance with both certification and regulator requirements. In keeping with our objective, it's our policy to constantly maintain an effectively and efficiently documented QA program.

It shall be the overall responsibility of the Quality Control Dep't Manager to constantly monitor and implementation of the QA program.

The QA program shall be reviewed on the basis of the results of an internal audit and trend analysis including the results of preventive actions at least annually be the Management Improvement Team Manager and the Quality control Dep't manager.

The policies developed and documented in accordance with the QA program must be understood, implemented and maintained by all Industrial Plant Division personnel.

Therefore each department Manger is responsible for the training of personnel under his control and shall assure that training is schedules, conducted and documented for those personnel performing activities affecting quality.





PART
01
BUSINESS

POWER Division

HME Corp. has been offering a variety of solutions that provide quality power in supplying electricity to ships and plants and stable power management even in diverse abnormal situations.



LOW VOLTAGE SWITCHBOARD

Main Function & Property

Our company’s main switchboard is a device that stably supplies power to each part by servicing the power plant electricity. It is designed and produced within all relevant international regulations and offers high product stability through strict inspection process.

Main Feature

» Generator’s protective function

It can safely protects the generator from all possible abnormal states, such as over current, short circuit current and differential current that could occur in operating the generator.



►Installation of ACB for generator including multi-function protection device

» Power management function

It controls the optimum operation of the generator by analyzing the power amount required in every process and offers diverse functions that can quickly supply alternative power in abnormal conditions. Moreover, it offers a variety of applications for a parallel operation of generators and a parallel operation of the shaft generator.



Option

» Integrated management solution

It offers an efficient management solution that monitors and controls each generator’s power requirement and other alarms through the remote I/O card. The remote I/O card supports diverse communication methods and it is compatible for each protocol.

MOTOR CONTROL CENTER

Main Function & Property

The motor control center is a device that drives and monitors the status of pump and fan used in ships and plants. It is designed and produced within all relevant international regulations and offers high product stability through strict inspection process.

Main Feature

» Motor protection function

The motor control center is equipped with a protective function against over current that could occur in motor operation by default. It has the stand-by function that steadily monitors abnormal situations of the motor (power fail / over current low pressure) in the motor’s parallel operation and enables the back-up operation.

LGSP
(Local Group Start Panel)



Option

» Integrated management solution

It offers an efficient management solution that monitors and controls each generator’s power requirement and other alarms through the remote I/O card. The remote I/O card supports diverse communication methods and it is compatible for each protocol.

POWER DIVISION



BATTERY CHARGING AND DISCHARGING BOARD

Main Function

It supplies power to the parts that are supposed to be in operation during blackout.
It supplies DC power to the parts unlike UPS (uninterruptible power supply).

Main Feature

- » Specialized technical skills for various requirements in the offshore and plant fields.
- » Offering active service for the offshore and ship's specialized demand in addition to custom-made production.



UNINTERRUPTIBLE POWER SUPPLY

Main Function

It steadily and alternatively supplies power to each part during the back-up time in the event of the main power's blackout.

Main Feature

- » [Battery monitoring system](#)
It offers optimal charging method that could minimize the reduction in the battery's life in a high temp. environment by monitoring the battery temp. and status and adjusting the charging voltage of the rectifier in accordance with the results.
- » Specialized technical skills for various requirements in the offshore and plant fields.
- » Offering active service for the offshore and ship's specialized demand in addition to custom-made production.



VARIABLE FREQUENCY DRIVE



It is closely related to the eco-friendly business that prevents power loss and reduces carbon dioxide emission by controlling the speed of the induction motor depending on surrounding environmental factors (temperature, humidity etc.). It is also used as an important device that converts produced power into usable electricity in the new and renewable business that uses wind and solar energy.

AGENT PROMOTION With DANFOSS

It supplies power to the parts that are supposed to be in operation during blackout. It supplies DC power to the parts unlike UPS (Uninterruptible Power Supply).

Main Function

VFD (Variable Frequency Drive) is a controller that enables variable adjustment of the inputted AC power by the user. It is mainly used to control the speed of the induction motor through frequency control.

Application in Ships and Offshore

- » Motor speed control solution in accordance with the temperature of C.S.W pump or E/R fan
- » Parallel drive solution with S/G and D/G
- » Parallel switchover solution between shore connection and the generator
- » Power distribution flame (generator, motor etc.) reduction solution through the super soft start function
- » Electric propulsion solution



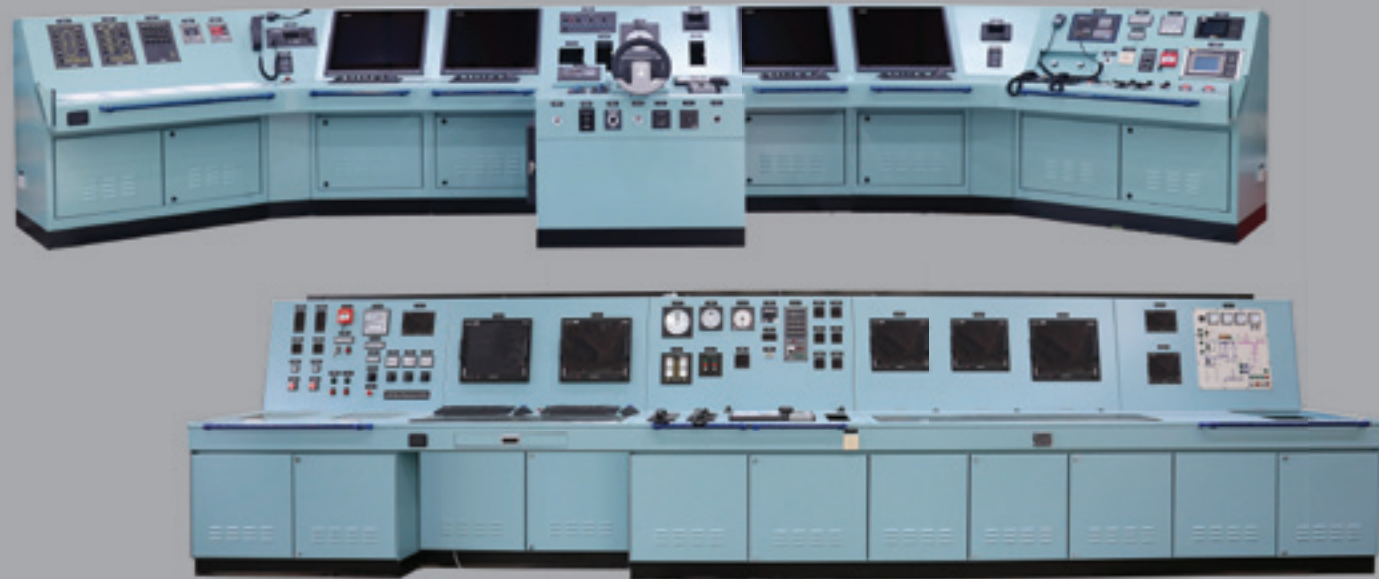
PART
02

BUSINESS

AUTOMATION Division

HME Corp. offers various automation systems primarily based on the operators' easy control and stability. These features are proven by a device driving method, the device's structural form and installation method.

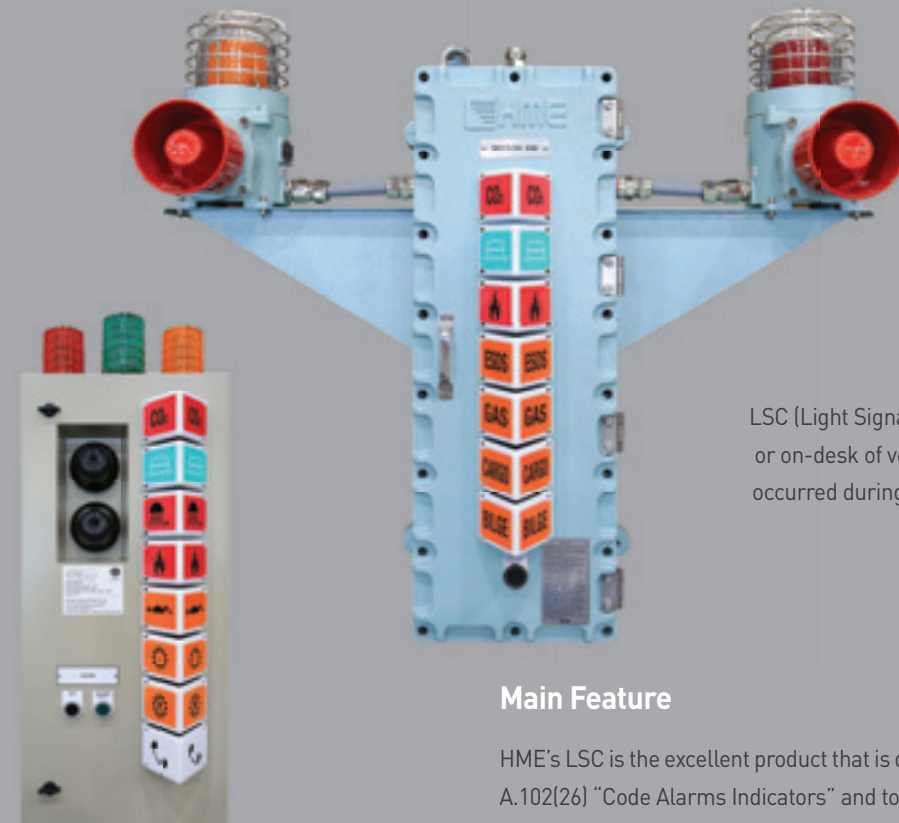
CONTROL CONSOLE



Main Feature

HME's automation systems, which offer easy control and stability, can be installed and supplied in a customized console. The console is designed and produced by taking the required protection level, material and operation form into consideration, and it is available in one-man bridge, piano and desk types in accordance with the installed place.

LIGHT SIGNAL COLUMN



Main Function

LSC (Light Signal Column) is installed in engine room or on-deck of vessel and transmit a variety of alarms occurred during ship sailing to operators through the visual and auditory alarm devices.

Main Feature

HME's LSC is the excellent product that is designed to satisfied to IMO regulation A.102(26) "Code Alarms Indicators" and took a MED certification.

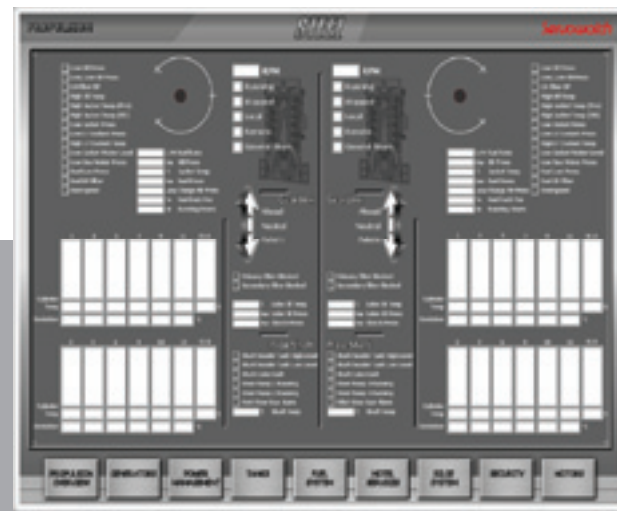
INTEGRATED CONTROL & MONITORING SYSTEM

AGENT PROMOTION With SERVOWATCH

As Servowatch (Larsen Toubro Group in the UK)'s strategic partner, HME offers device commissioning, I/O card production and engineering technology.

Application Package

- » Integrated platform management system
- » Integrated bridge system
- » Alarm monitoring system
- » Integrated ship management system



GROUP LIGHT CONTROL PANEL

Main Function

HME's group light control panel is a device that can control the ship sailing light, the ship signal light and the ship indicator required in various classifications to prevent collision in advance and secure safety in accordance with the Colreg. It is composed of the navigation light control panel, signal light control panel and outdoor light control panel.

Main Feature

HME's navigation light control panel is manufactured to fit the IMO regulation Res.MISC.253(83) "Navigation light & controller" regulation and it is an excellent product that obtained the MED certification.



Navigation Light

Signal Light

Outdoor Light





PART
03

BUSINESS

INSTRUMENT Division

HME's instruments are designed to create desired functions from easy assembly. The consumers can take advantage of useful setting change by utilizing each product manual and for the creation of simple system configuration, HME's diverse instruments can be a good choice.

MOTOR CONTROLLER

Main Function

It is a device that helps monitor the operation and status of various pumps and fan motors installed on ships or in plants.



Main Feature

Compared to the existing electrical sequence configuration, it is easy to operate and requires less installation space.

For operation, it supports DOL / Y-D / Supply-Exhaust and as part of fail-safe, it steadily monitors the abnormality of the number one starter. It also offers an automatic switching function that automatically activates the number two starter in the event of failure.

Moreover, it offers various settings including sequence time / parallel operation time and build up time, which simplifies circuits and enables easy control.

EARTH DETECTOR



Main Function

It is a device that is installed in the land/sea switch gear panel and monitors the supplied power's ground connection based on the set grounding resistance value.



ALARM INDICATOR

Main Function

It is designed to set the Normal Open / Normal Close input, auto reset and delay time input and extension output functions. As it is equipped with the front lamp, it offers differentiated installation space and work capacity plan.

Main Feature

It is a suitable product to configure a simple alarm logic by installing it in the control panel of each system.



Main Feature

It is configured so that the user can set various grounding resistance range with the dial switch. It supports extension meter and insulation fault input.

SYNCHROSCOPE

- » Optimal motion for marine equipment
- » Interface for identifying intuitive movement status
- » Easy and convenient setup manual
- » High stability secured through diverse and detailed configuration
- » Deadbus set-up and realization



GROUP ANNUNCIATOR

Main Function

It is designed to set the Normal Open / Normal Close input, auto reset and delay time input functions and adjusts the lamp output and relay contact point.

Main Feature

It is a suitable product to configure a simple alarm logic by installing it in the control panel of each system.



SERVICE NETWORK

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The greatest value of a global partner HME's technology
is putting smile on our clients



Power & Automation Sys.& Instrument A/S

GLOBAL SERVICE CENTER

- Korea Marine Equipment Association -
(Approx. Twenty of service networks in EUROPE)

SOUTH ASIA SERVICE NETWORK

- Singapore / Indonesia / Malaysia

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MAJOR CUSTOMER

SHIP YARD



SYSTEM MAKER



AGENT

