



KOREA HEAD OFFICE 6, JUNGANG-DAERO 260 BEON-GIL, DONG-GU, BUSAN, KOREA

Tel: 82-51-466-0881~4 / Fax: 82-51-466-0886/0889 / E-mail: master@bosung.com

Germany Heidenkampsweg 100, 8.0G, 20097 Hamburg, Germany / TEL: +49-40-2385-7710 / 7756

Greece 14, Skouze Street185 36 Piraeus, Greece / TEL : +30-210-4187010

Brazil

India

Rua Maria Rodrigues, 43-Olaria, CEP 21031-49, Rio de Janeiro, RJ, Brazil / TEL: +55-21-99973-8515

B-702 Sarvoday Enclave, Opp, New Golden Nest Phase-10 Bhayander-East Thane-401107, India / TEL: +91-93-2118-552

Taiwan 10F-2, No.211, Jhongjheng 4th Rd., Qianjin District, Kaohsiung City 801 / TEL: +886-7-2167617~18

Indonesia

JL. Ruko Vila Gading Indah No. BL A2/2 RT/RW 006/05, Kelapa Gading Barat Jakarta Utara 14241, Indonesia / TEL: +62-21-4509265

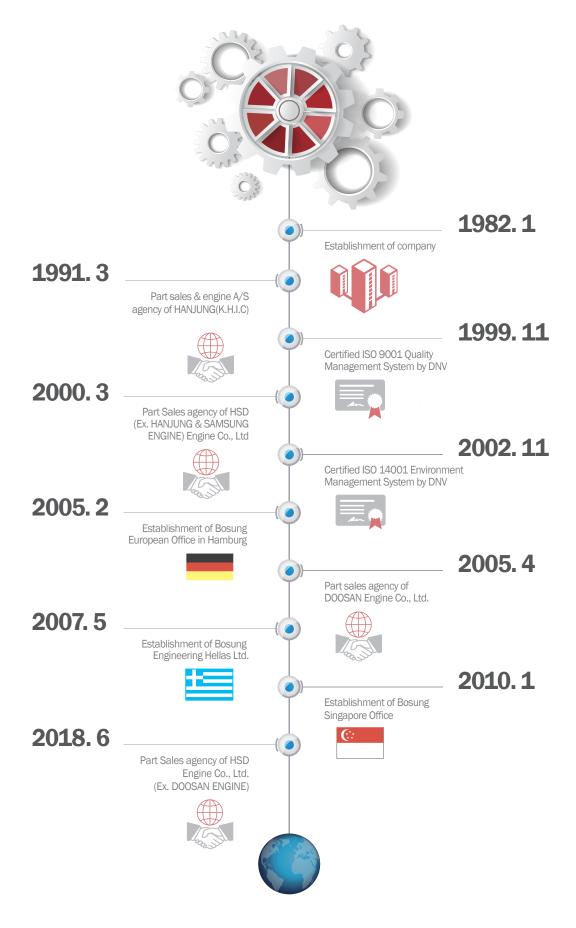
Turkey

Kavacik Mh. Sehit Tegmen Ali Yilmaz Sk. No.16/4, 34810 BEYKOZ / TEL: +90-216-701-19-03

Germany Notkestrasse 11, D-22607, Hamburg, Germany / TEL : +49-(0)40-319-747-720

DNV ISO 9001 ISO 14001 **B** SUNG **BOSUNG ENGINEERING CO.,LTD.**

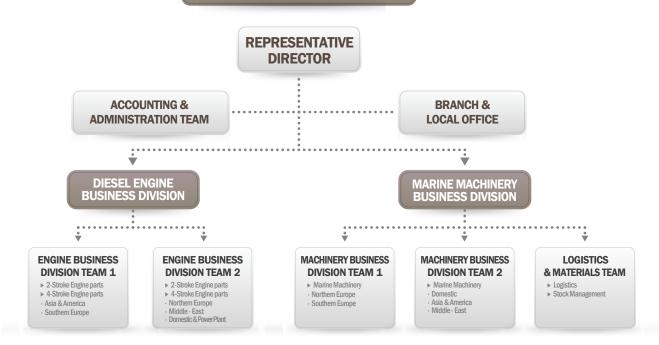
BRIEF OF THE HISTORY



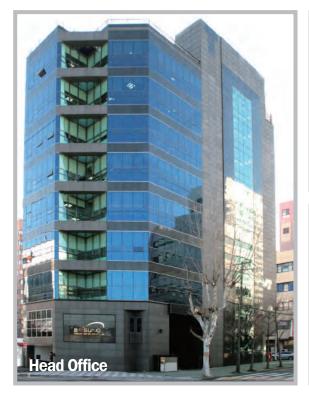


ORGANIZATION

CHAIR MAN



FACILITIES









CORE VALUES (THE 3B)







CUSTOMER SATISFACTION

As a leading company in the marine field, we have pursued the satisfaction of customers by providing our clients with unique service, called "Best Speed, Best Quality, Best Price" through its well-organized worldwide network system & stock control system.









OVERSEA'S NETWORKS

- Operation Propertion
- Sales Promotion Network

KOREA

Bosung Engineering Co.,Ltd.

6, Jungang-daero 260 Beon-gil, Dong-gu, Busan, Korea Tel: +82-51-466-0881~4
Fax: +82-51-466-0886/0889
e-mail: master@bosung.com

Taiwan

Greece

Comercial Bierges Ltda

Rua Maria Rodrigues, 43 - Olaria, CEP 21031-49, Rio de Janeiro, RJ, Brazil Tel:+55-21-99973-8515 e-mail:bierges@bierges.com.br

Ming Tzong Harng Trading Co.,Ltd.

Bosung Engineering (Hellas) Ltd.

e-mail: bosung@bosunghellas.gr

Tel: +30-210-4187010

Fax: +30-210-4187011

14, SKOUZE STREET 185 36 PIRAEUS, GREECE

10F-2, No.211, Jhongiheng 4th Rd., Qianjin District, Kaohsiung City 801 Tel: +886-7-2167617~18 e-mail: mth@ms21.hinet.net

Indonesia

Germany

PT. GLOBAL TRADING(Agent in INDONESIA)

Bosung Engineering Co.,Ltd.(European Branch)

Tel: +49-40-2385-7710/7756 (2 Lines)

Fax: +49-40-2714-3668 (1 Lines)

e-mail: hamburg@bosung.com

Heidenkampsweg 100, 8 OG 20097 Hamburg ,Germany

JL. Ruko Vila Gading Indah No. BL A2 / 2 RT / RW 006/05, Kelapa Gading Barat JAKARTA UTARA 14241, INDONESIA Tel : +62-21-4509265 e-mail : gti@indo.net.id

India

Brazil

Antaeus Marine Services

B-702 Sarvoday Enclave, Opp, New Golden Nest Phase-10 Bhayander-East Thane-401107, India Tel:+91-93-2118-552 e-mail:sarry.antaeus@gmail.com

Turkey

Oceanist Engineering Ltd.

Kavacik Mh. Sehit Tegmen Ali Yilmaz Sk. No.16/4, 34810 BEYKOZ Tel: +90-216-701-19-03 e-mail: info@oceanist.com.tr

Germany

TMS (Technical Marine Solutions GmbH)

Notkestrasse 11 D-22607, Hamburg, Germany Tel: +49-(0)40-319-747-720 Fax: +49-(0)40-319-747-711 e-mail: info@tms.hamburg

CERTIFICATES



We acquired ISO9001 & ISO14001 certificate from DNV to Strengthen our organization and to give more advanced service to our best customers.



ISO 9001:2015



ISO 14001:2015



DIESEL ENGINE BUSINESS DIVISION

Authorized and Genuine Part Sales Agency of HSD Engine











Diesel engine manufacturer Licensed by MAN Energy Solutions, WinGD (ex: WÄRTSILÄ)





Production Range

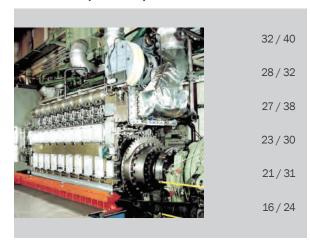
♦ HSD-MAN B&W (2-Stroke)

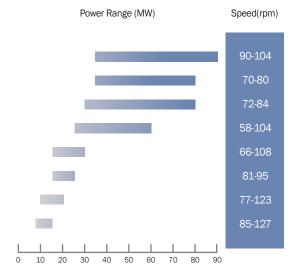


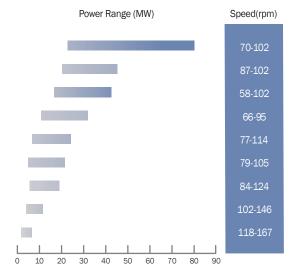
♦ HSD-WinGD (ex:WÄRTSILÄ) (2-Stroke)

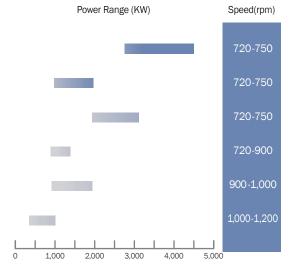


◆ HSD-MAN (4-Stroke)











2-STROKE ENGINE MAJOR SPARE PARTS





FUEL PUMP & PUMP BARREL



PISTON RING & BEARING





EXH. VALVE SPINDLE & FUEL VALVE





ME ENGINE MAJOR COMPONENTS



MPC & MPC 10





4-STROKE ENGINE MAJOR SPARE PARTS

CYLINDER HEAD & CYLINDER LINER





PISTON & CONNECTING ROD





FUEL VALVE & FUEL PUMP





CONROD, MAIN BEARING VALVE SPINDLE, SEAT RING





PISTON RING & SPARE PARTS KIT





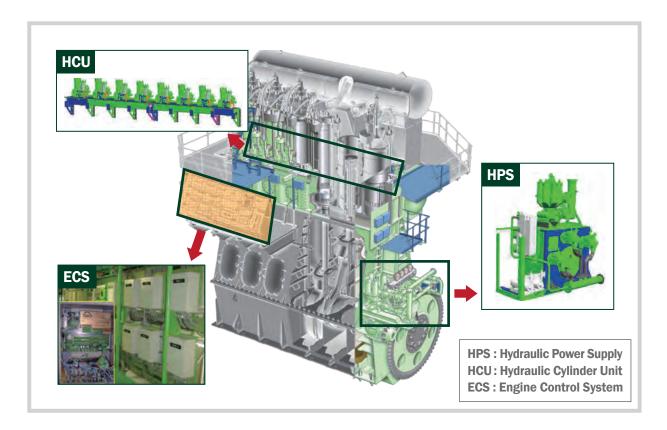
Piston Ring

Spare Parts KIT (SPK.002)



TECHNICAL SERVICE

ELECTRONICALLY CONTROLLED ENGINE



Main Components

◆ Hydraulic Power Supply



- Supply the necessary high-pressure hydraulic oil through driven pumps
- Consists of;
 - Engine driven pumps
 - Electrically driven pumps
 - Safety and accumulator block
 - Filter Unit and high pressure pipe
- ◆ Hydraulic Cylinder Unit



- Deliver the hydraulic oil to each cylinder so as to actuate the fuel and exh. valve
- Consists of;
 - Hyd. Oil distribution block with FIVA valve
 - Fuel oil pressure booster
 - Exhaust valve actuator
- ◆ Engine Control System



- Human Machine Interface
- Engine Interface Control Unit
- Cylinder Control Unit
 - Alpha Cylinder Lubricator
 - Starting Air Valve
- Communication Network
- Auxiliary Control Unit
 - Auxiliary Blower
- Hydraulic Cylinder Unit
- Engine Control Unit
- Hydraulic Power Supply
- Tacho System





MAINTENANCE AND COMMISSIONING

1. HYDRAULIC CYLINDER UNIT

- Fuel booster unit
- FIVA valve
- Exhaust actuator
- Cylinder lubricator
- Accumulator
- Distributor block





2. HYDRAULIC POWER SUPPLY

- Accumulator block
- Hose & Compensator
- Accumulator
- Cartridge valve





3. ELECTRIC COMPONENT

- Electric control panel
- MPC & MPC-10
- Level switch
- · Cable and others





4. PNEUMATIC & CHAIN PART

- Pneumatic system
- · Chain re-tighten
- Guide bar
- Main starting valve





5. CALIBRATION & FUNCTION TEST

- Inductive sensors
- Telegraph handle
- IRM module
- Tacho system
- · Exhaust bypass system
- · Safety device
- HPS pump(Elec & Engine driven)



6. CONFIRM TRIAL

- Engine starting test & Performance check
- · Adjust Cyl. Pressure & Fuel oil offset
- · Check Cyl.oil feed rate
- · Tacho System fine tuning







HPS PUMP EXCHANGE SERVICE

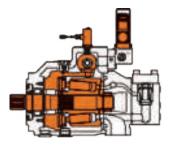
This program is the full recondition of HPS pumps on exchange basis by maker supplied seed pump.

This solution was launched to relieve the concern of the customer for HPS pump maintenance, such as the long delivery time and the reliable service for the critical device.

The most of the parts except for pump casing will be renewed in order to providing more qualified, more efficient and more reliable service.

The parts of the renewal are most of parts except for the pump casing for more quality, more efficiency and for more reliability.

Fully reconditioned pumps will be supplied to the vessel at first. After replacement, the old pumps will be returned to the maker.



Replaced parts by new component in overhaul

Scope of supply

HPS PUMP UPGRADE BY EXCHANGE BASIS(HS3->HS4)

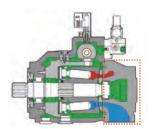
This program is total solution for the full recondition of HPS pumps and upgrade of HS3 pump to HS4 pump with safety block, proportional valve and inductive sensor.

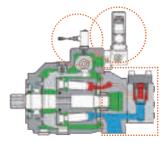
Since the production of HS3 Pump was terminated in 2014, the customer should replace HS3 pump to HS4 pump.

Recondition work is same as HPS pump exchange service.

Fully reconditioned HS4 pumps will be supplied to the vessel at first.

After replacement & upgrade HPS, system, old HS3 pumps will be returned to the maker.





A4VSO HS3



A4VSO HS4





CURTISS FIVA VALVE RETROFIT

Since the production of Curtiss FIVA valve was terminated, the customer should replace FIVA valve to other maker.

We will provide the service to retrofit FIVA valve by the qualified HSD engineer.

The service scope

- FIVA replacement to other maker
- Install the terminal boxes and the cable.
- Update the parameter on ECS
- Commissioning





CURTISS



OTHER MAKER

ENGINE POWER LIMITATION SOLUTION

As Rightship announced port incentive program according to Green House Gas rating, the bulk carriers should improve GHG rating. This solution will improve GHG rating of the vessel by small modification of the engine and make available to participate in port incentive program as Rightship's guidance.

Ship Owner

- Required or wished Rightship GHG rating to be decided.
- New SMCR or targeted engine power for EPL to be decided and informed to HSD Engine, which should be matched with wished GHG rating.
- Pease contact "Rightship" for further discussion.
 - environment@rightship.com.
- To ensure the vessel has enough engine power after implementation of EPL, the vessel's minimum propulsion power can be calculated in accordance with MEPC. 1/Cir. 850. Hence, it is recommended that EPL report is submitted to the Classification society for approval by ship owner.

parameters.

verification.

Bosung Engineering Governor Maker

EPL report based on New SMCR

provided by Ship owner including new

set of main engine governor limitations

On-Board Installation and Verification - On board attendance by HSD superintendent for performance

- Adjustment and locking of the mechanical stop screw on the connection from local control.

ordered from Governor) Recommend to perform below load

(Slightly above Governor set point to avoid interference with full rpm

1) 25, 50, 75% of original SMCR 2) Max engine load&engine speed

Performance verification report by HSD



- Installing the new set of main engine governor limitation parameters into the Governor.
- Service report by a governor maker.

Rightship

- Rightship will grant GHG rating for the vessel in question upor receiving current GHG rating, EPL report, performance verification report and governor service report.
- All documentation shall be submitted to RightShip by the Client.
- It is noted that the rating is against a peer group that may also be actively taking steps to improve their own rating. Therefore, the GHG Emissions Rating is dynamic and at the discretion of RightShip.



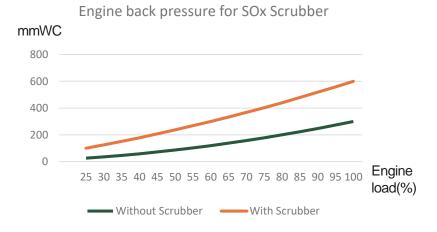




TURBOCHARGER REMATCHING

As per the scrubber installed on exhaust gas system, the back pressure will increase SFOC and thermal load.

This solution will reduce the back pressure by rematching of T/C and have improve SFOC and thermal load.



ALPHA LUBRICATOR/PNEUMATIC SYSTEM 5 YEARS MAINTENANCE PACKAGE

Based on the service experience and guideline, Alpha lubricator and Pneumatic system should be maintained every 5 years or 32,000 R/H to ensure the optimal and trouble-free operation.

Recommended items

ITEM LIST OF ALPHA LUBRICATOR MAINTENANCE		ITEM LIST OF PNEUMATIC SYSTEM MAINTENANCE	
Category of kits	Description	Category of kits	Description
Service kit for alpha lubricator	Membrane Accumulator(Big) Membrane Accumulator(Small) Solenoid valve on lubricator Inductive sensor on lubricator Lubricator check valve(5bar)	Service kit for pneumatic system	 All of pneumatic valves All of reversing cylinders All of VIT actuators
		Recommended spare parts list as per engine type	
Maintenance kit for alpha lubricator	O-ring set for lubricator overhaul.	20 0/2	
Lubricator pump station service kit	Spider for booster pumpSeal for booster pumpSuction filter elementPressure filter element	-	
Pick-up for BCU (Back-up Control Unit)	Pick-up sensor for flywheel side		1





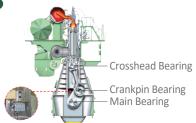
MEASUTAL

- Measutal is the digital type deflection gauge for crank shaft.
- Make your Deflection Measurement Wirelessly.
- · Be free from work Danger.
- · Be quick in measurement.



O-WACS/B-WACS

- O-Wacs will monitor the water content of in L.O.
- B-Wacs will monitor the condition of three major bearings.
 - O-Wacs & B-Wacs are the monitoring and alarm system for bearing and L.O developed by HSD engine.



PRE-DOCKING INSPECTION

- Pre-docking inspection will help the ship's owner to optimize the maintenance plan for main engine prior to dry dock.
- The service scope Mechanical Part (including LDM inspection)
 - Hydraulic Part
 - Electronical Part



Liner Diameter Measurement

RECONDITION OF ENGINE COMPONENT

- The following engine components can be reconditioned at maker authorized facility.
 - Main engine: Piston Crown, Cylinder Cover, Exhaust Valve Spindle /Bottom Piece, FIVAValve, ETC.
- Auxiliary engine : Cylinder Head, Cyl. Liner Honing, ETC.



ALPHA LUBRICATOR RETROFIT/UPGRADE SERVICE

- Alpha Lubricator Retrofit : Alpha Lubricator will optimize the consumption of cylinder oil.
- Alpha Lubricator Upgrade : Upgrade Alpha Lubricator with optimized consumption of cylinder oil at low load.





Lubricator

MCU





DEL NOX SCR ANNUAL NOX MEASUREMENT

- PURPOSE ► Measurement & assessment of NOX reduction efficiency.
- METHOD ▶ By qualified experts and reliable measuring device.
- OUTCOME ▶ Documents for verification.

MEPC.291(71)

guidance on how to assess catalyst NOX reduction efficiency based on periodical spot checks or monitoring as specified by the applicant, if applicable; records are to be kept for inspection during annual, intermediate and renewal surveys. The frequency of periodical spot checks is to be defined by the applicant considering the expected deterioration of the catalyst. The frequency for spot-checks should be at least after installation and once every 12 months;

DEL NOX SCR CATALYST REPLACEMENT

- When catalyst to be replaced?
- Low NOx reduction efficiency
 Catalyst is to be replaced when period spot check result shows low NOx reduction efficiency.
- Serious damage on catalyst
 Serious damage reduces catalyst efficiency. This can
 be checked through visual inspection by experts.
- How to replace catalyst?
- Order new catalyst
- · Transfer to replacement place
- · Replace catalyst
- · Dispose old catalyst



RT-FLEX ENGINE MAINTENANCE & RECONDITION OF COMPONENT

Parts Supply



- Mechanical parts
- Electronic parts
- Instrument
- Repair kits

Exchange Program



- Injection control unit
- Fuel oil pump
- Pressure control valve
- Servo oil pump
- · Pulse lubrication pump

Recondition



- Cylinder cover
- •
- On-board Service
- Pre-inspectionOverhaul & inspection
- Feedback instruction

DRY DOCK SUPERVISION SERVICE

HSD Supervision Service

1 Supervisor

All types for Engine



Supervision Service details

01 Close inspection incl. measuring

- · Piston Component
- Bearing Condition
- Cylinder Liner
- Fuel Pump Incl. Timing
- Exh. Valve
- · HP Pipe
- · Alpha Lubricator System

02 Visual Inspection

- · Crank Case & Chain wheel
- · Gas & Scav. Air Receiver
- Cam & Cam shaftTop Bracing

TOP Bracing

03 Instruction & Education for crew

- · Job Procedure
- Emergency Operation
- Finding Root Reason
- · Trouble Shooting

Benefit & Output

Safety

- · Engine Operation
- Work
- Precaution



Improvement of crew's skill



Efficiency on OVHL. work



Detail Service Report





AUTHORIZED PART SALES AGENCY OF

- SAMGONG CO.,LTD.
- DONGHWA PNEUTEC CO.,LTD.
- CENTURY CORPORATION
- TAE-IL BLOWER MFG.CO.,LTD.
- SARACOM CO.,LTD.
- YOOWON INDUSTRIES LTD.
- GEORIM ENGINEERING CO.,LTD.
- SHIN MYUNG TECH CO.,LTD.
- Aquametro Oil & Marine Korea LTD.
- KORVAL CO., LTD.
- FLUTEK LTD.
- Danfoss Korea LTD.
- C.M.R Group Korea LLC
- SAMKUN CENTURY CO., LTD.
- sangsangin INDUSTRY CO., LTD.
- KOSCO CO.,LTD. [BSKY™ BWMS] Ballast Water Management System



AUTHORIZED PART SALES DISTRIBUTOR OF

- DAEYANG ELECTRIC CO..LTD.
- HI AIR KOREA CO., LTD.
- GREEN & CLEAN TECHNOLOGY CO., LTD.
- K.C. LTD
- SAMJOO ENG. CO.,LTD.
- DHP ENGINEERING CO., LTD.
- QLIGHT CO., LTD.
- DONGHWA ENTEC CO., LTD.
- MARINECOM CO., LTD.
- PANASIA CO., LTD.
- HANMI HYDRAULIC MACHINERY CO., LTD.
- HANLA IMS CO., LTD.







SAMGONG CO.,LTD.

- H.F.O PURIFIER
- L.O PURIFIER
- F.O PURIFIER

F-SERIES

H-SERIES

DongHwa Pneutec

DONGHWA PNEUTEC CO.,LTD.

- MAIN AIR COMPRESSOR
- STARTING AIR COMPRESSOR
- DECK COMPRESSOR



NEX type

H-SERIES TASK-SERIES

HC-SERIES AHV-SERIES CMS-SERIES NEX-SERIES



CENTURY CORPORATION

- REFRIGERATION MACHINE
- AIR CONDITIONING MACHINE



Packaged Air Conditioner

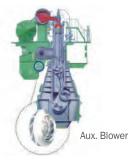


Air Conditioning System



TAE-IL BLOWER MFG.CO.,LTD.

- AUX.BLOWER
- AXIAL FAN







MAN Type



SARACOM CO.,LTD.

- ELEC. WHISTLE
- AIR WHISTLE
- NAVIGATION EQUIPMENT



Air Whistle Class | : WA-15/143 Air Whistle Class II: WA-21/138 Air Whistle Class III: WA-31/130H



Magnetic Compass MC-60 / MC-18





YOOWON INDUSTRIES LTD.

- F.O & L.O NOTCH WIRE FILTER
- STEERING GEAR
- DECK MACHINERY







F.O.Filter



GEORIM ENGINEERING CO.,LTD.

- 15PPM BILGE SEPARATOR
- 15PPM BILGE ALARM
- BILGE / SLUDGE PUMP



15PPM Bilge Separator (GRS-10, 20, 25, 50, 100EB)



Bilge Pump(P-102, 103)



SHIN MYUNG TECH CO., LTD.

- AIR MOTOR/AIR & ELECTRIC WINCH
- SUEZ MOORING BOAT HANDLING DAVIT
- PROVISION CRANE
- HAND PUMP & AIR DRIVEN PUMP



Elec. Winch



Air / Elec. Type Davit



Aquametro Oil & Marine Korea LTD.

- FLOW METER (REMOTE / LOCAL)
- VISCOSITY SENSOR
- VISCOSITY CONTROLLER



Remote type Flow meter



Local type Flow meter



KORVAL CO., LTD

- PNEUMATIC CONTROL VALVE
- HYDRAULIC ACTUATOR
- TEMPERATURE REGULATING VALVE



Pneumatic Control Valve



Regulating Valve





FLUTEK LTD.

- STEERING GEAR
- MOORING WINCH
- WINDLASS



Steering Gear

Mooring Winch

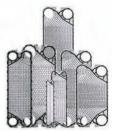


Danfoss Korea LTD. (ex: SONDEX KOREA LLC)

- FRESH WATER DISTILLER
- GASKET TYPE PLATE HEAT EXCHANGER
- PLATE & SHELL HEAT EXCHANGER



Plate Heat Exchanger



Free Flow Plate



C.M.R Group Korea LLC

- SENSOR
- TELEPHONE SYSTEM
- CCTV SYSTEM



Sensors



Telephone



SAMKUN CENTURY CO., LTD.

- WATER TREATMENT SYSTEM
- OFFSHORE PLANT
- COATING & PAINTING



Sterilizer



Mineralizer



sangsangin INDUSTRY CO., LTD. (ex: DONGNAM MARINE CRANE CO., LTD.)

- PROVISION CRANE
- ENGINE ROOM CRANE
- MONORAIL CRANE



Provision Crane



Engine Room Crane





DAEYANG ELECTRIC CO.,LTD.

- LIGHTING FIXTURES
- PRECISION INSTRUMENT
- SENSOR
- WATERTIGHT SWITCH
- RECEPTACLE, PLUG



HI AIR KOREA Co.,Ltd.

- AIR CONDITIONING SYSTEM
- REFRIGERATION PLANT
- PACKAGED AIR CONDITIONER
- VENTILATION FANS
- FIRE DAMPER



Green & Clean Technology Co., Ltd.

- TOP BRACING
- INCINERATOR



K.C. LTD

- ANTI FOULING SYSTEM (MGPS)
- ICCP SYSTEM
- SHAFT EARTHING DEVICE

HACCS MAYES **SAMJOO ENG**

SAMJOO ENG. CO.,LTD.

- MARINE GALLEY & LAUNDRY EQUIPMENT
- COMMERCIAL KITCHEN EQUIPMENT



DHP ENGINEERING CO., LTD.

- PLATE HEAT EXCHANGER
- DISK & SHELL TYPE HEAT EXCHANGER
- FRESH WATER GENERATOR



Search Light (1kw, 3kw)





Resistance Bulb



Refrigeration Plant



Ventilation Fan



Top Bracing



Incinerator



M.G.P.S Anode



I.C.C.P



Cooking Range



Baking Oven



Plate Heat Exchanger



Fresh Water Generator



Disk Heat Exchanger



Qlight

QLIGHT CO., LTD.

- SIGNAL LIGHTS
- WARNING LIGHTS & ELECTRIC HORNS
- LIMIT SWITCHES









Signal Lights

Warning Lights

Electric Horns

Limit Switches

DongHwa Entec

DONGHWA ENTEC CO., LTD.

- AIR COOLER
- HEAT EXCHANGER
- FRESH WATER GENERATOR



Air Cooler

Fresh Water Generator



Plate Heat Exchanger



MARINCOM CO., LTD.

- PUBLIC ADDRESS SYSTEM
- GENERAL ALARM SYSTEM
- AUTO TELEPHONE SYSTEM



Telephone System

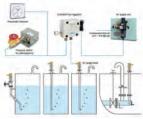


Public Address System

PANASIA

PANASIA CO., LTD.

- LEVEL CONTROL AND MEASUREMENT SYSTEM
- BALLAST WATER TREATMENT SYSTEM
- TANK LEVEL GAUGING SYSTEM



Tank Level Gauging System



Ballast Water Treatment System



HANMI HYDRAULIC MACHINERY CO., LTD.

- HIGH PRESSURE PUMP UNIT
- FUEL VALVE TEST DEVICE
- HYDRAULIC TOP BRACING



High Pressure Pump Unit



Fuel Valve Test Device

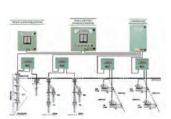


Hydraulic Top Bracing



HANLA IMS CO., LTD.

- CARGO MONITORING SYSTEM
- HIGH AND OVERFILL ALARM SYSTEM
- REMOTE SOUNDING SYSTEM



Cargo Monitoring System



High And Overfill Alarm System



OTHERS

DECK MACHINERY

ARIM MACHINERY & ENGINEERING. CO.
BADA HEAVY INDUSTRIES CO., LTD.
DONG WOO MARINE MACHINERY
HAEAN MACHINERY IND. CO., LTD.
HYUNDAI ELEVATOR CO., LTD.
JUNG GONG IND. CO., LTD.
JUNG-A MARINE CO., LTD.
KOREA U.V. TECH.
ORIENTAL INSPECTION & SERVICE CO., LTD.
SMS CO., LTD.
A-TECH CO.
YOUNG NAM MARINE MACHINERY. CO., LTD.
KWANG SAN CO., LTD.
SEWON IND CO., LTD.

SAFETY MACHINERY

B.I. INDUSTRIAL CO., LTD.
CONSILIUM MARINE KOREA LTD.
FAIN CO., LTD.
HLB CO., LTD. (HYUNDAI LIFE BOAT)
NK CO., LTD.
SANCHEONG CO., LTD.
SEAPLUS CO., LTD.
SPECS CORPORATION

GALLEY

BIP INDUSTIES CO., LTD.
COSMO CO., LTD.
EVAC KOREA CO., LTD.
HAEIN INDUSTRIAL CO., LTD.
JETS KOREA LTD.
SUNGMI CO., LTD.

ENVIRONMENT

CORRSTECH KOREA LTD.
HANYOUNG ENGINEERING CO., LTD.
SEHONG CO., LTD. (WILSON WALTON)
ILSEUNG. CO., LTD.
MARINETECHNICAL ENGINEERING CO., LTD
JONG HAP MACHINERY CO., LTD.
JOWA KOREA CO., LTD.

ELECTRIC EQUIPMENT

AUTONICS
DESCO
H.M.E CO., LTD. (HYO MYUNG)
HYOSUNG MOTOR(HICO)
HYUN JIN CO., LTD.
HYUNDAI ELECTRIC CO., LTD.
KOC ELECTRIC CO., LTD.
KTE. CO., LTD.
KUMHO MACH. & ELEC. CO., LTD.
LS INDUSTRIAL
LUXCO CO., LTD. (WESTRONICS)
SEUN ELECTRIC CO., LTD.
YONGSUNG ELECTRIC CO., LTD.
WOOSUNG ENGINEERING CO., LTD.
SAMSUNG SHIP AUTOMATION

VALVE

ACE VALVE CO., LTD. BY CONTROLS INC. CEPHAS PLPELINES CORP. DKT.M.I. CO., LTD. EMERSON PROCESS MANAGEMENT HANYANG VALVE IND. CO., LTD. JOKWANG I.L.I. CO., LTD. KEYSTONE VALVE KOREA KSB Seil CO., LTD. KUMKANG PRECISION CO., LTD. MT.H CONTROL VALVE CO., LTD. PLEIGER FAR FAST LLC. POONG JIN METAL CO., LTD. SCANA KOREA HYDRAULIC, LTD. SEO HEUNG MATAL CO., LTD. TANKTECH CO., LTD.

LIGHTING

AQUA SIGNAL GLAMOX KOREA KUK DONG ELECOM CO., LTD.

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BUMHAN INDUSTRIES CO., LTD. DAEHUENG TECH CO., LTD. DSB ENGINEERING CO., LTD. HYOSUNG EBARA HYUNDAI MARINE MACHINERY CO., LTD. KANG RIM HEAVY INDUSTRIES CO., LTD. KEUMSUNG PRECISION KIWON INDUSTRIAL CO., LTD. KPHE CORPORATION KUK DONG. IND. KYUNG NAM DRYER CO., LTD. L.H.E. MIBOO NAMIREI MSL COMPRESSOR CO., LTD. MYTEC CO., LTD. NARA CORPORATION SHINSHIN MACHINERY CO., LTD. SPP MACHINE TECH SUNBO INDUSTRIES CO., LTD. YOUNGKWANG MACHINERY CO. KOREA FILTER CO., LTD. TOP SAFE., LTD. HAE DONG METAL CO., LTD.

