

# Ocean Marine Services, Korea

## Strategic Planning Dept –Technical Sales

### Business Scope

#### ■ Maintenance Service

- Engine Parts
- Electric Equipment
- Generator & Motor
- Modification and Other Electric Services
- Re-Engine & Engine Overhaul
- Governor Overhaul

#### ■ Shore Service / General Inspection

- Crane Maintenance & Repair
- Annual Test / Calibration
- General Inspection / Health Check
- Underwater Work / Hull Cleaning Service

#### ■ SOx Scrubber & Retrofit

- MS-SOx Scrubber
- T/C Cut-Out Retrofit
- T/C Overhaul & Repair

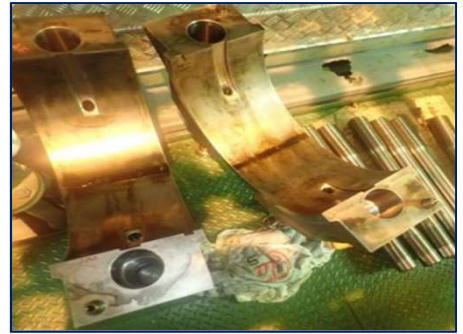
#### ■ Others

- Part Sales - Rubber Mat

Service Ports - **Korea : All ports** Singapore, China, UAE, Türkiye

## DF Engine Service

- **Major Overhaul** (18,000 R/H) – Connecting rods, Crankshaft Cylinder heads, Cylinder, Piston, etc.
- **Attached Items** – Booster Servo Motor for Governor, Exh. Manifold, Flexible Coupling, Fuel Injection Pump, Governor driving gear, Pilot fuel pump, etc.



## XDF Engine Service

- **Dry Dock Maintenance** – 5 years & 10 years overhaul as per the WinGD manual
- **Health Check** in calling port – Visual inspection, Documentation / Records review
- F.O Pump overhaul in Korean workshop or on board



## ME Type Engine Service

- Fuel booster unit, Exhaust actuator, Alpha lubricator, Pneumatic system
- FIVA valve, Cleaning of Proportional valve
- Replacement of Hydraulic hose (HCU, HPS)
- Function test – Interlock, Hydraulic, Safety test
- **Work Shop Service** (In China, Singapore)–HPS pump overhaul, FIVA valve reconditioning



## MC Type Engine Service

- **Pneumatic Control System Maintenance** – System general check, Replacement of spares & repair kits, Leakage check, Simulation test
- **Alpha Lubricator Maintenance** (5, 10 years) – Timing check of angle encoder & pick up sensors, Replacement of accumulators, Inspection of feedback sensor, Replacement of pump station kit, Simulation test by pre-lubrication



## Electric Equipment SWBD Dock Maintenance

- HV & LV Switchboard, VCB, ACB, HiMAP, HV/LV Transformer etc.



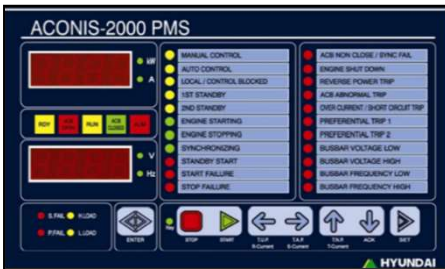
## Generator & Big Motor Dock Maintenance

- Generator: Frame, AVR Maintenance, Mechanical Check and Running Test
- Big Motor: Overhauling, Alignment, Field Balancing, Motor Rewinding
- Insulation Resistance Test – Main Stator, Main Rotor, Exciter, Space Heater



## Modification/ Other Electric services

- ACB Retrofit Service (Old ACB to Hyundai HGN Type)
- Switchboard Modifications
- Reconditioning Service for HiMAP M, T & FI
- Repair Service for Control System (Nabtesco & ACONIS)



## Repair Services

- Heat Exchanger / Boiler
- Air-conditioning / Refrigeration System
- BWTS Maintenance & Repair
- Governor Overhaul
- Elevator Inspection
- EEBD & Gas Detectors



## Crane Maintenance & Repair

- Health Check – Visual Inspection, Operation Test, Condition Check
- Repair & Replacement (Component)
- Modification & Upgrading (Renewal), Commissioning and Test
- Automation Equipment, Cranes, Winches, Cargo Pump, Hydraulic System & Power Unit (HPU)
- All makers including MACGREGOR, ORIENTAL and SANGSANGIN(ex-DMC)



**MACGREGOR**



**ORIENTAL**



**상상인인더스트리**  
sangsangin industry



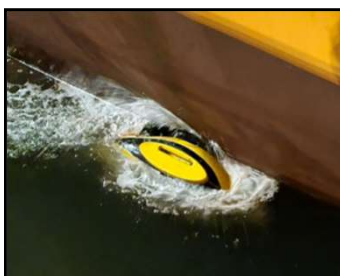
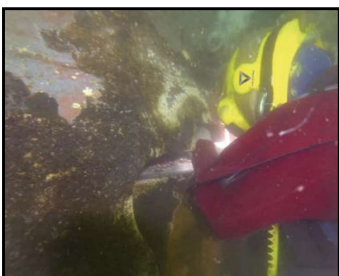
## Shore Service / Inspection

- Safety Equipment Annual Service – FFE / LSA / Life Boat
- Foam Analysis Test, Air Quality Test
- General Inspection, Health Check, Calibration Service
- We can provide any service for vessels calling in All Korean Port & Singapore Port



## Underwater Work / Hull Cleaning

- Underwater Inspection / Welding
- Cleaning of Hull Side / Bottom / Bilge Keel / Sea Chest / Propeller / Rudder
- Both Robotic and Diver cleaning are available





## MS-SOx Scrubber

- Using ship's existing system, MS-SOx Scrubber offers **Full Turnkey** service  
→ Not requiring dry docking + 2 Weeks Downtime
- **Light** Materials(Titanium) - Less than 0.5% lightweight increase in most cases→ No change of DWT
- **Compact** – No cargo loss + Reduce pump power consumption by 50% compared to other models
- **Reference List**

100 vessels completed as of 2024



## Turbocharger Cut-Out

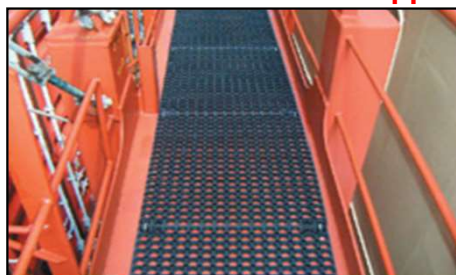
- Turbocharger(T/C) Cut-Out is applicable for engines with 3 or 4 T/C.
- The T/C Cut-Out System will improve the SFOC during low load operation.
- We can also provide overhaul, repair & part supply for all types of T/C

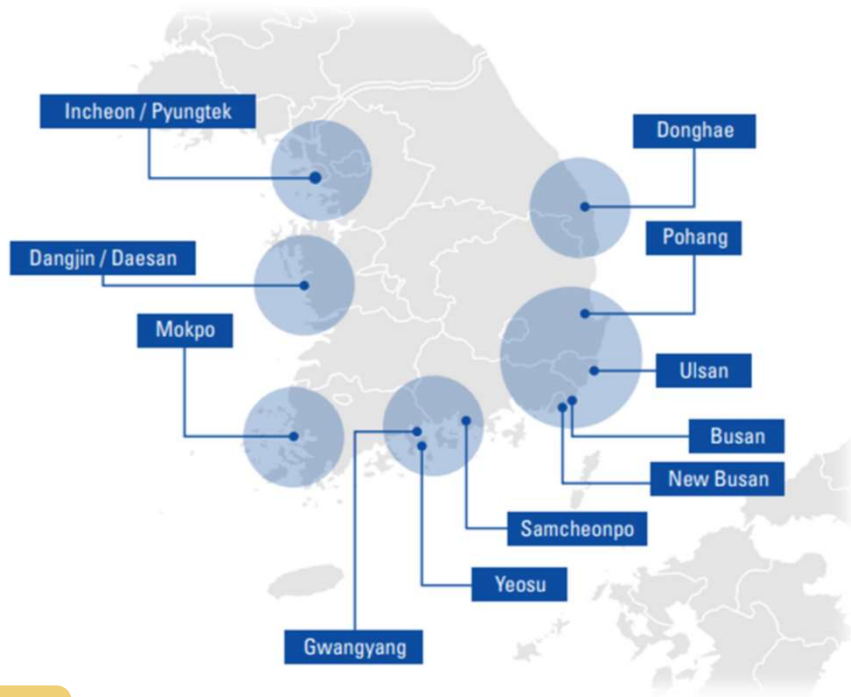


## Part Sales -Rubber Mat

- Non-slip surface with customized sizes – Light & Easy to fit together
- Large holes provides efficient drainage
- Material – NR, NBR, Recycled rubber, Anti-fire

Supplied to 50 vessels for MAERSK Line





**GREEK  
Branch Office**

**ULSAN  
Head Office**

**Turkey – MC, ME Engine**

**UAE – MC Engine(Cover Oman), T/C**

**China – ME, MC, WinGD X Engine,  
4S Engine, SWBD**

**Singapore – ME, MC Engine, 4S Engine, SWBD**

- **China (Engine, Electric, General)**
- **Singapore (Engine, Electric, General)**
- **Dubai (Engine, Engine Recondition, T/C, Liner Measure)**

## Contact Information

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