



OCEANMASTER ENGINEERING PTE LTD

COMPANY PROFILE

OCEANMASTER ENGINEERING PTE LTD





OCEANMASTER ENGINEERING PTE LTD

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大 洋 工 程 私 人 有 限 公 司

The Global Leader

Marine and Offshore Solutions

OceanMaster Engineering Pte Ltd was established in **1989** as a company that specializes in providing ship repairs services and in particular in the area of **RHVAC**.

With time, the company grew in size and in the late 1990s, we also diversify into serving clients from the offshore, oil and gas sector. Up to date, Oceanmaster provides services primarily to drilling contractors, FPSO owners, oil majors and ship owners around the world.

We possess an excellent track record in executing full turnkey **RHVAC** projects for vessels, drilling rigs, offshore platforms and FPSOs, always offering quality and cost effective solutions to our clients.

On top of that, we also provide engineering solutions in the areas of mechanical, electrical, carpentry and steel works.



OUR VISION AND MISSION

01

VISION

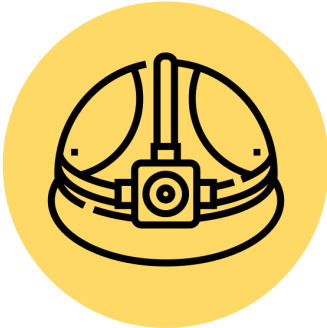
To be the global leader specialising in providing marine and offshore engineering solutions and MRO (Maintenance, Repair & Overhauling) services.

02

MISSION

Exceeding customer's expectation by providing immediate response and top quality solutions.

OUR CORE VALUES



SAFETY



CUSTOMER FOCUS



PEOPLE



OUR MILESTONES



OCEANMASTER ENGINEERING
OUR BUSINESS ACTIVITY



OUR SERVICES

REFRIGERATION, HEATING, VENTILATION & AIR-CONDITIONING SERVICES

Air-conditioning and Refrigeration
Ventilation and Duct works



SCRUBBER SYSTEM INSTALLATION AND AFTERSALES MAINTENANCE

EGCS installation and maintenance works

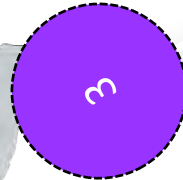


ELECTRICAL AND CONTROL AUTOMATION

Complete electrical installation works
Electrical and Automation troubleshooting works
Design and fabrication of Explosion proof electrical control panel
Hazardous area electrical compliance audit and rectification works



OCEANMASTER ENGINEERING



MARINE CARPENTRY AND FLOORING WORKS

Marine and Offshore carpentry works



STEEL AND PIPE FABRICATION AND OUT-FITTING

Welding Works
Steel fabrication and outfitting works
Piping works

GENERAL ENGINEERING AND MACHINING WORKS

Retubing of heat exchangers and coolers
Reconditioning of crankshaft, valves spindle, piston, bearings, connecting rod, etc...
General insulation works



1. Engineering and design study of RHVAC systems in accordance to CLASS society regulations.
2. Complete marine and offshore RHVAC turnkey which includes:
 - a. Project management
 - b. Design and Engineering
 - c. Procurement and Supply
 - d. Installation
 - e. Testing & Commissioning
 - f. Provision of the test report, as-built drawing, Project manuals and spare parts manual list upon job completion
3. Fabrication of customized marine air-conditioning systems for marine and offshore environment
4. Fabrication of customized marine explosion proof air-conditioning unit for use in Zone1 and Zone 2 hazardous area
5. Construction of new Cold Room plants
6. Conversion of Air-conditioning system from ozone hazardous (CFC) to ozone friendly (CFC) refrigerant
7. Fabrication, repair and replacement of heat exchanger (Condensing coil, evaporator coil and heating coil)
8. Overhauling and supply of reconditioned air-conditioning and refrigeration compressors:
 - a. CARLYLE (Carrier)
 - b. SABROE
 - c. STAL
 - d. FRICK
 - e. BITZER
 - f. COPELAND
 - g. DAIKIN



1. Air balancing works
2. Temporary refuge (TR) integrity test
3. Air duct cleaning
4. Fabrication, upgrading and modification of ducting system for accommodation and machinery space which includes:
 - a. Rectangular ducts (Mild steel and galvanized sheet)
 - b. Rectangular ducts (Mild steel and galvanized sheet ducting)
 - c. Spiral Ducts
 - d. Air diffusers, air grilles, and air louvers
 - e. Volume control dampers, non-return dampers & pressure relief dampers
 - f. Class approved fire dampers, shut-off dampers & modulating dampers
 - g. Ducting insulation
 - h. Axial and centrifugal fans
 - i. Silencer
 - j. Air ventilators (Mushrooms, Goosenecks & Louvers)

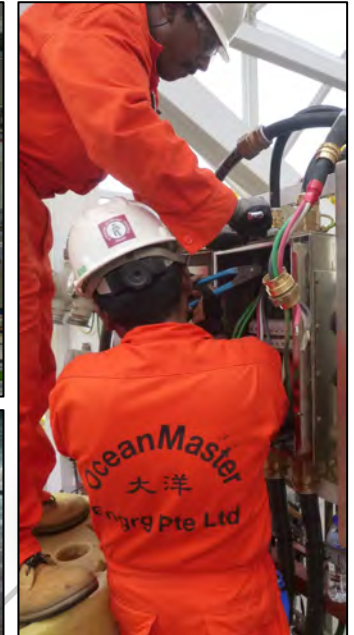


1. Complete electrical installation works which includes:
 - a. Cable pulling and termination
 - b. Electrical system and panel installation
 - c. Commissioning

2. Electrical and Automation troubleshooting works which includes:
 - a. Calibration of fixed and portable gas detector, UTI and MMC
 - b. Deck hydraulic systems
 - c. MSB and ESB service and calibration
 - d. Electrical motor and generator services

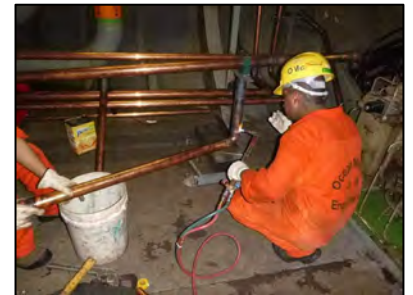
3. Design and fabrication of Explosion proof electrical control panel

4. Hazardous area electrical compliance audit and rectification works



GENERAL ENGINEERING AND MACHINING WORKS

1. Retubing of heat exchangers and coolers
2. Reconditioning of crankshaft, valves spindle, piston, bearings, connecting rod, etc...
3. General insulation works



STEEL AND PIPE FABRICATION AND OUT-FITTING

1. Welding Works which includes:

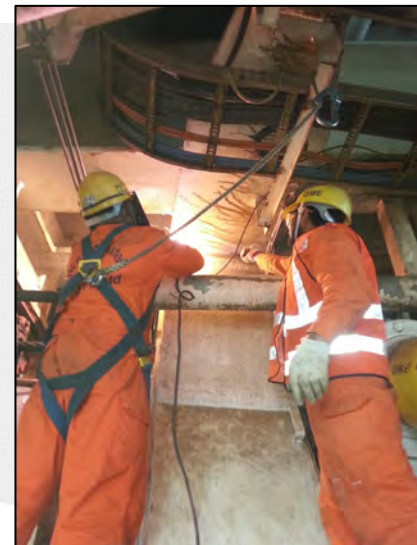
- a. Shielded Metal Arc Welding (SMAW)
- b. Gas Metal Arc Welding (GMAW/MIG)
- c. Flux Cored Arc Welding (FCAW)
- d. Gas Tungsten Arc Gas Welding (GTAW/TIG)

2. Steel fabrication and outfitting works which includes:

- a. Superstructure
- b. Hull Plating
- c. Deck plating
- d. Bulwark
- e. Cargo Hatches
- f. Structural frames and stiffeners
- g. Skid structure and foundation

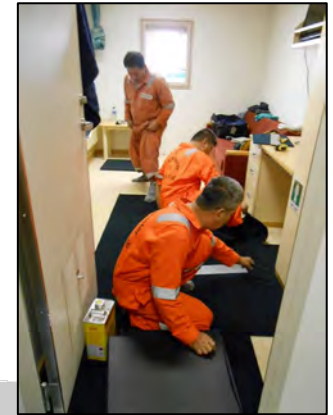
3. Piping works which includes:

- a. Pre-fabrication of Pipe spools
- b. Pipe fabrication and modification



MARINE CARPENTRY AND FLOORING WORKS

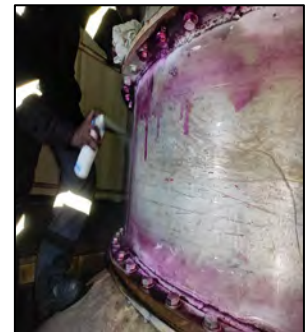
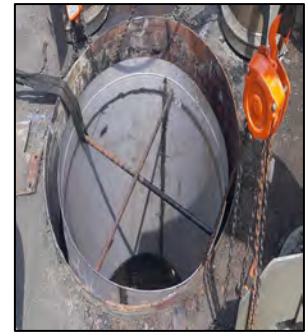
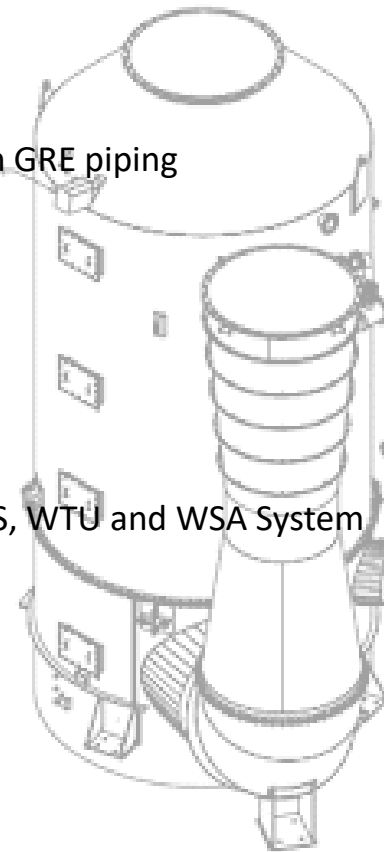
1. Marine and Offshore carpentry works which includes:
 - a. Accommodation furniture supply and refurbishment
 - b. Weather-tight, water-tight and fire rated doors fabrication
 - c. Class-approved doors, windows, wall and ceiling panel fabrication
 - d. Retrofitting of wall and ceiling panels and wooden structure
 - e. Flooring repairs and renewal works (Vinyl sheet and epoxy flooring)



SCRUBBER SYSTEM INSTALLATION AND AFTERSALES MAINTENANCE

1. EGCS installation and maintenance works which includes:

- a. Full maintenance of EGCS system
- b. Supply, installation, repair and rectification works on GRE piping
- c. Replacement and maintenance of dampers
- d. Replacement and maintenance of electric valves
- e. Replacement and maintenance of pumps
- f. Installation, maintenance and troubleshooting CEMS, WTU and WSA System
- g. Replacement and maintenance of sensing probes
- h. PLC software update of system operations





1. Basic, intermediate and advanced Air-conditioning training courses
2. EPA 608 technician course and certification



**AUTHORIZED DEALER & AGENCY
SERVICE WORKSHOP
AND STOCKIST**



DEALER
AGENT

01

AUTHORIZED DEALER & AFTER-SALES SERVICE AGENT

1. Daikin MR
2. OceanGuard Ballast Water Management System
3. Wartsila Sox Scrubber
4. Zhejiang Energy Marine Environment Technology (ZEME) Marine Scrubber system
5. Zhejiang Energy Marine Environment Technology (ZEME) High Voltage Shore Connection System



AUTHORIZED SPARE PARTS WAREHOUSE

1. Headway
2. Zhejiang Energy Marine Environment Technology (ZEME)

AUTHORIZED SERVICE WORKSHOP

1. Johnson controls
2. Zhejiang Energy Marine Environment Technology (ZEME)

1	Bitzer	
2	Bock	
3	Carrier	
4	Copeland	
5	Danfoss	
6	Sabroe	
7	York	

OCEANMASTER ENGINEERING
OUR BUSINESS CONTACT





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