

RAPID OFFSHORE & MARINE PTE LTD

30 Gul Lane Singapore 629424

Phone : +65 6898 2775 Fax : +65 6898 2776

enquiry@rapidoffshoremarine.com



RAPID OFFSHORE & MARINE PTE LTD

ONE STOP INTEGRATED OFFSHORE & MARINE SOLUTIONS PROVIDER

ONE STOP INTEGRATED OFFSHORE & MARINE SOLUTIONS PROVIDER



SINGAPORE

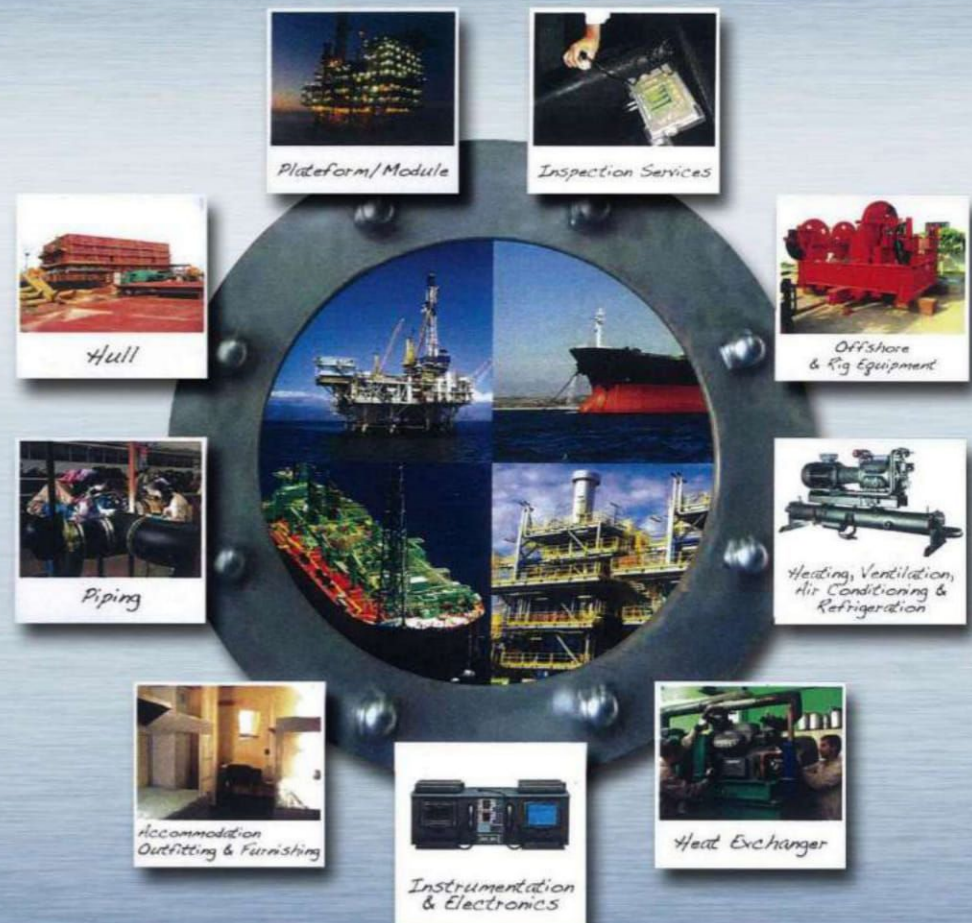
- ▶ RAPID Marine HVAC (Asia Pacific) Pte Ltd
- ▶ VENAIR HVAC Pte Ltd
- ▶ RAPID Offshore Integrated Engineering Pte Ltd
- ▶ RAPID Offshore Oilfield Services Pte Ltd

OVERSEAS

- ▶ RAPID Offshore Integrated Engineering Sdn Bhd (Malaysia)
- ▶ RAPID Offshore Integrated Engineering Services LLC (Dubai UAE)
- ▶ RAPID Offshore Integrated Engineering Pvt Ltd (India)
- ▶ PT RAPID Offshore Integrated Engineering (Indonesia)
- ▶ RAPID VIETNAM Co., Ltd (Vietnam)

OUR WORLDWIDE AGENTS

- ▶ Norway
- ▶ United Kingdom
- ▶ Holland
- ▶ Australia (Perth)
- ▶ Greece



www.rapidoffshoremarine.com

www.rapidoffshoremarine.com

OUR SPECIALIZATION

- Offshore & Rig Equipment
- Marine Machinery
- Inspection Services
- Piping
- Heat Exchangers
- Coolers
- Hydraulic Instrumentation & Electrical work
- Equipment Package Module Fabrication
- Oil Field Equipment Agency
- Accommodation Outfitting & Furnishing
- Communication
- Navigation
- Automation
- Dynamic Positioning Systems
- Heating
- Ventilation
- Air conditioning & Refrigeration



www.rapidoffshoremarine.com

OUR TRADEMARK



www.rapidoffshoremarine.com

OUR SPECIALIZATION

- Offshore & Rig Equipment
- Marine Machinery
- Inspection Services
- Piping
- Heat Exchangers
- Coolers
- Hydraulic Instrumentation & Electrical Work
- Equipment Package Module Fabrication
- Oil Field Equipment Agency
- Accommodation Outfitting & Furnishing
- Communication
- Navigation
- Automation
- Dynamic Positioning Systems
- Heating
- Ventilation
- Air conditioning & Refrigeration

Rapid Offshore & Marine (RO&M) operates through our six well established and reputed business divisions namely:

OFFSHORE OIL FIELD SERVICES DIVISION

Our Offshore Oilfield Services division specializes in Oilfield equipment repairs and inspection services. With our experience and extensive knowledge in the oil and gas industry, we offer our customers innovative and practical solutions while staying cost competitive.

HEAT EXCHANGER & PIPING SERVICES DIVISION

Our heat exchanger and piping services division provides a variety of services from on-site inspection and engineering consultancy, to new fabrication and restoration of your Main Engine Charge Air Coolers, Condensers, Heaters, Fresh Water Generators and other heat transfer applications.

QA SYSTEMS DIVISION

Our QA Systems division provides NDT, Engineering, Inspection and Ships Survey Specialists to the marine shipping, oil and gas industries world-wide.

ELECTRONICS AND INSTRUMENTATION DIVISION

Our electronics and instrumentation division is a leading provider of integrated solutions of a wide range of marine communication, navigation and automation systems based in Singapore. We design, supply, install, integrate, test and commission marine communication, navigation and automation systems for the marine and offshore oil & gas industries, as well as provide maintenance and support services for these systems. We also provide our customers with satellite airtime services.

ACCOMMODATION OUTFITTING AND FURNISHING DIVISION

Our accommodation outfitting and furnishing division specialize in Turnkey Projects in Structural Steel Fabrication & Installation, Electrical work, Marine Accommodation Systems and Accommodation Modules which include the complete structural steelwork (Superstructures/Deckhouses & Modules) and Interior architectural package.

HVAC & REFRIGERATION DIVISION

Our HVAC & R (Heating, Ventilation, Air-conditioning & Refrigeration) division has unique expertise and experience in providing comprehensive turnkey HVAC&R solutions to a wide range of Offshore and Marine applications, including FPSO's, Oilrigs, Platforms, Pipe Laying Barges, Multi-Purpose Supply Vessels and Offshore accommodation modules.

OFFSHORE OIL FIELD SERVICES DIVISION

Our Offshore Oilfield Services division specializes in Oilfield equipment repairs and inspection services. With our experience and extensive knowledge in the oil and gas industry, we offer our customers innovative and practical solutions while staying cost competitive.

Offshore Oilfield Services division has a large purpose built facility in Singapore that comes complete with waterfront access and slipway, enabling OOS to efficiently transfer heavy equipment from barges directly to our workshop for servicing as well as Hydraulic, Electrical, Mechanical, Pressure Control, Fabrication and Wash Down work bays.

We are committed to provide on-site and workshop based repairs and inspections, meeting the required industry standards. Our core business is to provide quality mechanical/electrical servicing, repairs, inspections, fabrications, installations, testing and commissioning for the Oil & Gas Industry for:

DRILLING EQUIPMENT

HYDRAULIC CONTROL SYSTEMS

POWER DISTRIBUTION & MANAGEMENT SYSTEMS

WELL CONTROL SYSTEMS

MARINE & BARGE EQUIPMENT

INSPECTION SERVICE



OUR VALUABLE CUSTOMERS



PRODUCTS RANGE



Water-cooled Package Air Conditioner



Air-cooled Condensing Unit



Water-cooled Condensing Unit



Air Handling Unit



Room AC Unit for Hazardous Areas



Horizontal AC Unit for Hazardous Areas



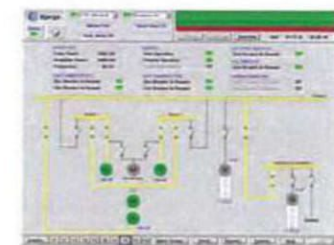
Winch



Winch



Power Management Systems



Power Management Systems



Well Control System



Well Control System

HEAT EXCHANGER & PIPING SERVICES DIVISION

Our heat exchanger and piping services division provides a variety of services from on-site inspection and engineering consultancy, to new fabrication and restoration of your Main Engine Charge Air Coolers, Condensers, Heaters, Fresh Water Generators and other heat transfer applications.

AIR COOLER



We specialize in Air cooler servicing and fabrication - from Charge Air Coolers to Air Cooled Heat Exchangers. We have the most modern, top-class equipment, and highly skilled technicians and engineers to support your needs.

Our high precision water jet cutting machine and CNC drilling machine enable us to conduct air cooler fabrication according to your own design specification. Our expertise in block finned tube making, our huge database of engineering drawings, huge stock of punched Copper fins, CuNi tubes and Naval Brass plates all allow us to deliver emergency orders for your urgent requirements.

Aside from new fabrication, we also provide the following services - ultrasonic cleaning, chemical descaling, high pressure washing, and plugging of leaking tubes to meet your specific requirements.

PLATE HEAT EXCHANGER



We offer a comprehensive range of plate heat exchanger services - installation, chemical cleaning, automated high pressure plate washing, plate inspection, UV crack detection, re-gasketing, assembly and testing, as well as supply of gaskets and spares for every known brand, to ensure that your heat exchange equipment functions at its peak.

PRODUCTS

- Air Handling Units
- Condensing Units, Deck Units
- Provision Refrigeration Plants
- Packaged Air Conditioners
- Prefabricated Cold Room Panel
- Dehumidifiers
- Steam Generators
- Explosion Proof Refrigeration Equipment
- Shock-proof Fan Coil Units
- Chillers
- Pump Skids
- Ventilation Fans
- HVAC Control Systems
- Fire Dampers
- Terminal Units
- Ductworks & Fittings
- Grilles & Diffusers

PRODUCTS RANGE



Compressor



Heater



Marine Air Conditioner



Ducting & Accessories



Damper



Grille, Diffuser, Louver



Outfitting



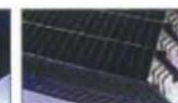
Diffuser Box



Marine Fan



Copper Tube & Fittings



Mist Eliminator

HVAC & REFRIGERATION DIVISION

Our HVAC & R (Heating, Ventilation, Air-conditioning & Refrigeration) division has unique expertise and experience in providing comprehensive turnkey HVAC&R solutions to a wide range of Offshore and Marine applications, including FPSO's, Oilrigs, Platforms, Pipe Laying Barges, Multi-Purpose Supply Vessels and Offshore accommodation modules.

Our Scope of Services for the Marine and Offshore HVAC & R industry:

- Provide turnkey project solutions encompassing engineering design, supply, and installation, testing and commissioning of new heating, ventilation, and air-conditioning systems complying with class requirements.
- Provide turnkey project solutions encompassing engineering design, supply, and installation, testing and commissioning of new refrigeration plants and cold room systems complying with class requirements.
- Equipment supply, installation, testing and commissioning of air-conditioning and refrigeration system.
- Design, fabrication and installation of spiral/rectangular ducting system including thermal insulation and jacketing.
- Trouble shooting, service and maintenance of air-conditioning, refrigeration and ventilation system.
- Marine stockist for spares and compressors of reputed brands like Carrier, York, Daikin, and Sabroe.

With our professional management, well equipped workshops, established overseas networks, qualified and skilled operational staff, and a team of highly experienced engineers readily available to attend to any HVAC&R problem that you may have, we are confident that our products and services are of the best quality, most cost effective solutions available in the market today meeting both budget constraints and tight deadlines.

We constantly aim at finding the most cost effective solution for Heating, Ventilation, Air-conditioning, and Refrigeration (HVAC&R) systems, for your projects. The advantage we have over our competitors is our ability to customize solutions for our clients. This is achieved through our proven Engineering, Procurement, Construction and Installation (EPCI) capability as well as adherence to strict QHSE standards, Budgetary control and project timeline.

SHELL & TUBE HEAT EXCHANGER



Our facility coupled with our highly trained, multi-skilled technicians provides a wide array of shell and tube heat exchanger services including cleaning, partial or complete re-tubing, fabrication, restoration and re-engineering. We offer expert assessment of the condition of your heat exchanger unit, shell, end covers, and water boxes. We provide competent advice and conduct troubleshooting to address problems on leaking tubes, corroded end plates, and choked tubes.

PIPING



We perform pipeline structure fabrication, repair, restoration and installation works for all types of pipes and systems and work we have done covers diverse types of jobs – from FPSO's to land based piping projects.

QA SYSTEMS DIVISION

Our QA Systems division provides NDT, Engineering, Inspection and Ships Survey Specialists to the marine shipping, oil and gas industries world-wide.

Survey Types

- CAP Survey
- Annual Survey (AS)
- Enhanced Survey Program (ESP)
- CAS Survey
- Intermediate Survey (IS)
- Owner Requirements (OR)
- Special Survey (SS)
- Enhanced Survey (ES)

ISO Accredited Services

Ultrasonic Thickness Measurement (UTM)

- Condition Survey/Visual Close-up Inspection
- Rope Access/Raft Methods
- Close Circuit TV

Non Destructive Testing (NDT)

- Gamma Radiography Inspection
- Ultrasonic Flaw Detection
- Magnetic Particle Inspection
- Liquid Dye Penetrant Testing
- Eddy Current Testing
- Hardness Testing



Heat Treatment (PWHT)

- Post Weld Heat Treatment
- Pre-Heating Weld Treatment
- Heating to remove Propeller Shaft



Rope Access

Rafting



List of Our Services

- Turnkey Project Management
- Piping Fabrication – LP & HP
- Marine Equipment & Spare Parts
- Electrical & Cabling Work
- Asbestos Abatement
- Offshore Accommodation Modules
- Supply of Project Specialists
- Supply of Engineering Personnel
- Supply of Skilled and Class Certified Welders
- Structural Steel Fabrication
- UHP Hydro-blasting & Coating
- Offshore Accommodation Modules
- Mechanical & Hydraulic Systems
- Scaffolding
- Complete Marine Accommodation
- Outfitting & Furnishing
- Engineers & Autocad Draughtsmen
- 3G/4G/6G/6GR, Electricians, Steel/Pipe Fitters

ACCOMMODATION OUTFITTING AND FURNISHING DIVISION



Our accommodation outfitting and furnishing division specialize in Turnkey Projects in Structural Steel Fabrication & Installation, Electrical work, Marine Accommodation Systems and Accommodation Modules which include the complete structural steelwork (Superstructures/Deckhouses & Modules) and Interior architectural package.

We have a 90,000 sq ft workshop with 4 nos. of overhead cranes, production & project offices. We undertake complete refurbishment and upgrading works for drilling rigs & drill ships, FPSO conversion projects, repair & modification works for ships & Pipe-laying barges.



We also offer expertise in project management services & specialize in supplying qualified engineering personnel, and skilled & certified tradesmen to owners for onsite drilling rig repairs and alongside upgrading projects. We also offers other project related support services including providing waterfront site, barges & floating cranes, equipment & consumables, parts & specialized workshop repairs, service boats, warehousing, transport & other general services.

Our workforce comprises of experienced tradesmen, all having worked for many years in the repairs and new rig building yards in Singapore and Middle East.

Their trades include the full spectrum of shipyard work, namely: Steel Fitters, Pipe Fitters, Certified Welders (certified 3G/4G, 6G, 6GR), Fire watchers, Stagers, Electricians, Cable Pullers, Riggers, Painters & Hydro-Blasters, Mechanics, Ductwork & HVAC specialists, Accommodation Outfitters, Carpenters and Asbestos Workers.



Heat Treatment

Pipe Inspection

Other Professional Services

On-Site Metallurgical Examination

- Failure Analysis
- Corrosion Damage Assessment

Owner Representative

- Docking Supervision/ Superintendent
- Steel Work & Boiler Repair Superintendent
- Repair Specification
- Quality Audit
- Underwater Tank Diving
- Pressure Vessel Inspection

Riding Maintenance Crew

- Repair of Corrosion, Pitting and Welding
- Surface Preparation/Maintenance by Rope Access
- Anodes Installation by Rope Access

Over the years, we have carried out countless inspection and NDT surveys for well-known companies all around the world, and we will continue providing worldwide services 365 days a year, 24 hours a day.



ELECTRONICS AND INSTRUMENTATION DIVISION

Our electronics and instrumentation division is a leading provider of integrated solutions of a wide range of marine communication, navigation and automation systems based in Singapore.

We design, supply, install, integrate, test and commission marine communication, navigation and automation systems for the marine and offshore oil & gas industries, as well as provide maintenance and support services for these systems. We also provide our customers with satellite airtime services.

1. Communication

The marine communication equipment and systems that we sell are typically used for voice communication, data transfer and internet connection. Our communication systems also include intercom, public address and general alarm ("PAGA") applications.



2. Navigation

The marine navigation equipment and systems that we sell are designed to determine a vessel's position and direction, and controlling the movement of the vessel from one place to another.

3. Automation

We offer an array of functionally advanced and user-friendly solutions designed for monitoring and controlling the ship's mechanical and electronic systems and machinery, which may include applications from small stand-alone alarm systems to fully integrated control systems which include ballast control and power management.



4. Dynamic Positioning System

Navis IVCS (Integrated Vessel Control System) is a modern dynamic positioning system providing full control of a vessel's movement by using the vessel's existing propulsion and thrusters. Based on powerful engineering solutions, comprehensive mathematical modeling and integrated navigational sensors, Navis IVCS allows precision maneuvering during critical operations and holding the required position regardless of sea and weather conditions.

Our established partnerships with international renowned manufacturers such as Raytheon Anschütz, Thrane & Thrane, Seatel, Navico, Federal Signal, Navis-In-Control, Samyung and Koden, allow us to offer best-of-breed solutions to our customers.

