



30 Gul Lane Singapore 629424
 Phone: +65 6898 2775 Fax: +65 6898 2776
 enquiry@venair.com.sg
 Co. Reg. No: 200414502K



Venair HVAC Pte Ltd

HEATING * VENTILATION * AIR-CONDITIONING * REFRIGERATION



"One-Stop HVAC Solution Provider for the Offshore and Marine Industries"

RAPID OFFSHORE & MARINE PTE LTD

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

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Integrated Capabilities

VENAIR HVAC Pte Ltd is one of the major Heating, Ventilation, Air Conditioning and Refrigeration (HVAC & R) providers for the offshore and marine industry. It is helmed by a senior management team highly experienced in HVAC & R with over 100 full time staff specialized in engineering, design, project management, field operations and administration. We are relentlessly committed to giving clients unparalleled engineering excellence and value. This is achieved to our proven Engineering, Procurement and Construction (EPC) capability as well as adherence to strict QHSE standard, Budgetary control and Project Timeline. We support clients from project feasibility study through actual execution safely, rapidly, on time and within budget. VENAIR HVAC Pte Ltd advantage over our competitors is our strength in customization work. This execution of extensive and complex projects is now core business. We are also OEM supplier for reputable brands. What this means to our customer is bigger and better provider in HVAC & R with efficient, excellent and world-class services.



Our latest technology, Turnkey capabilities, Integrated resources, local content and global reach make us your HVAC partner of choice.

OUR VALUABLE CUSTOMERS





Summary of Services

VENAIR HVAC PTE LTD

1. HVAC

- Turnkey Project
- Engineering, Design and Drawings
- Equipment
- Installation
- Commissioning

2. AIRCON AND VENTILATION DUCTING

(Rectangular and Spiral – Un-insulated / Pre-Insulated)

- Galvanized
- Aluminum
- Stainless Steel
- Mild Steel
- PVC

3. AIRCONDITIONING PIPEWORKS

- Chilled and Condenser Piping
- Chiller Unit and AHU Installation
- Chilled Water Pipe Insulation & Cladding

4. HOT AND COLD INSULATION

- Pressure Vessels
- Ducting
- Piping

5. CLADDING

- Stainless Steel
- Aluminum
- Galvanized

6. KITCHEN HOOD

- Stainless Steel
- Aluminum
- Galvanized

7. MECHANICAL & ELECTRICAL WORKS

- HVAC Equipment
- Blower / Fan
- Circuits

8. COLD ROOM FABRICATION

- Turnkey Project
- Engineering, Design and Drawings
- Equipment
- Installation
- Commissioning

9. COMPRESSOR

- Overhauling
- Spare Parts Renewal
- Crankshaft Honing
- Installation
- Commissioning

10. REPAIR WORKS

- Air Conditioning
- Refrigeration Plant Room
- Ducting and Ventilation
- Equipment
- Insulation (Ducting, Piping, Bulkhead and Deckhead)
- Retubing of Condenser / Heat Exchanger

11. FABRICATION AND ERECTION

- Expansion Tanks (SUS, Mild steel, etc)
- Gooseneck and Mushroom Cowlings Ventilator
- Class Approved Fire Dampers (Manually, Electrical and Pneumatic)
- Water Tight Louver
- Mechanical Out Fittings work

12. MARINE STOCKIST (Equipment and Spare Parts)

- CARRIER
- SABROE
- YORK
- DAIKIN

13. RIDING CREW FOR SEA GOING

- Repair
- Maintenance



Our Distinctive Scope of Businesses

Turnkey Solutions

Design, Engineering, Procurement, Construction, Installation, Supervision and Commissioning

Venair Products

Standard and custom products to fit all operating conditions

Venair Services

- Upgrading and conversion of existing systems to environmentally friendly systems
- Annual or tailor-made service, maintenance, and repair solutions

Venair Parts

Proprietary and branded parts with fast turnaround to ensure continued system operation



Engineering & Project Management

Venair has established ourselves as a highly customized and technically sophisticated provider in the ventilation, air-condition, heating & refrigeration systems. Our proven capability in system design & customization have enable us to provide our designs for wide range of offshore rigs, tankers, bulk carriers, AHTS & many more.



Our project management team has been in the HVAC business for many years & has undertaken the most complicated projects. Each & everyone in the team works very closely with the clients until the system is successfully handed over.



Project Experience

Marine Industry

Our ability to deliver fast & efficient services to blend our global capabilities to offer a robust solution to all ship owners, charterers & shipyards to meet the requirements of the project scope includes design, engineering, construction, installation & maintenance. While others have to search for & create alliances to meet requirements of such fast pace projects, we have already have the Resources at our disposal to respond to customer and project needs.

Container ships, Live Stocks Carrier, Bulk Carrier & etc

Offshore Industry

Recent experience includes design, engineering, procurement, construction & installation of rigs, lift boats, semi-submersible & etc.

Ship owners, charterers & shipyards to meet the high standards & requirements of the offshore project scope ranges from turnkeys, repairs & upgrades.



Other Services

Our Scope of Supplies and Services for the Marine & Offshore Heating and Ventilation System.

Design, fabrication and installation of spiral / rectangular ducting system including thermal insulation and jacketing.



- Indoor Air Quality Survey and Certification as per classification requirements



- Robotic Duct cleaning and Bacterial elimination

- Trouble shooting, service and maintenance of air-conditioning and refrigeration system



- Riding crew and OEM supplier of reconditioned and refurbished parts and compressors. Voyage repairs around the world and round the clock





Other Services

- Retrofit of Air-conditioning and Refrigeration plants with Non Ozone depleting refrigerants



To perform complete test to system(s) (HVAC, REFRIGERATING, MECHANICAL VENT) which includes Hydro-Test, Leak Check to newly installed Pipe work, Flushing, Cleaning, Vacuuming and Top up system with first refrigerant charge.

To perform complete Testing & Commissioning [T&C] to system(s).

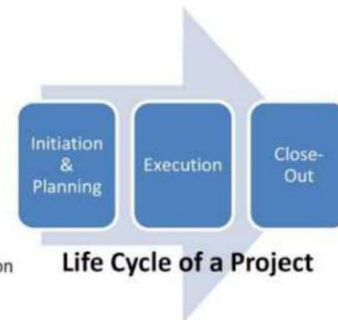
- Our Heat Exchanger division provides a variety of services from on-site inspection and engineering consultancy, to new fabrication and restoration of Air Coolers and Condenser



Procurement & Production

A key element of project execution success is procurement. Here, we focus on our core competencies in purchasing, subcontracted services, logistics, trade compliances and expediting.

- Strategy & Planning
- Supplier pre qualification
- Risk Assessments
- Vendor Surveys



Strength of Venair

Manpower 100 Fulltime Staff

Engineering & Design Office 10 Engineers

Quality System ISO 9001 accredited by Lloyds Health Safety & Environment (HSE)

Certified BizSafe Level Star

Engineers equipped with Offshore Medical & BOSIET



Our Key Product Range



Our Key Product Range



- Mist Eliminator / Storm Louvers**
- Prevents noise breakout from air inlet or outlet and allowing ventilation air transfer.
 - Varying acoustic performance depending on type of aerodynamically designed blades and depth of louver.
 - Resists rain and moisture.
 - Weatherproofing and air transfer material and finishing customisable.



- Manual Control Single-flap Dampers**
- Options for construction materials includes mild steel, stainless steel or aluminum.
 - Minimum thickness of 3 mm - 12 mm thick casing.
 - Blasted to SA 2-1/2 and coated with Hi-built epoxy paints for marine environment and most industrial applications.



- Axial Fans**
- Custom-made as per requirements.
 - Features: Motor built-in housing, integral / swing-out type. Blades are aerofoil type.
 - Fans are high-flow coefficient or pressure co-efficient. High efficiency, low noise and reversible.
 - Ex fan can be made into duct or deck type as per request.



- Weather Louvers**
- Customisation of sizes.
 - Options for construction materials includes mild steel, stainless steel or aluminum.
 - Options with Watertight Cover.



- Gooseneck Air Vents**
- Heavy duty design for outdoor mounting.
 - Designed for mechanical ventilation systems such as fresh air or exhaust air outlet applications.
 - Equipped with hinged hatch with neoprene gasket and lock bolts with eye nuts.
 - Available in different sizes.



- Cabin Units**
- Designed as small units to fit the cabins.
 - Single-pipe cabin type.
 - Reheat cabin type.
 - Special attention paid to sound attenuation.
 - Low sound levels achieved with sound traps.



- Pre-Fabricated Cold Rooms**
- Provide turnkey project solutions encompassing engineering design, supply, and installation, testing and commissioning of new refrigeration plants and pre-fabricated cold room systems complying with class requirements.



- Mushroom Cowlings**
- Available for sizes 150 mm to 2000 mm diameter fans.
 - Options for construction materials includes mild steel, stainless steel or aluminum.
 - Option to integrate with or without built-in damper.
 - Minimum thickness of 3mm.



- Air Control Fire Dampers**
- Frame: 16 Ga galvanised steel interlocking stacked hat section.
 - Designed with concealed frame.
 - Steel shaft extending beyond the air control damper frame.