



NDEX-COOL MARINE & INDUSTRY PTE LTD

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PROFILE

INDEX-COOL MARINE & INDUSTRY PTE. LTD is a member of the Index-Cool Group that has engaged in the Singapore Marine Industry since 1977, providing afloat marine repairs and services at anchorage or on-voyage.

One of our core competences is in Marine Air-Conditioning & Refrigeration Plants. In recent years we widened our business scope and provided HVAC turnkey solutions to clients in Oil & Gas offshore sector,

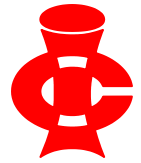
Our HVAC turnkey solutions include:

- Engineering Design and Equipment Integration for Air-conditioning, Mechanical ventilation and Refrigeration plants.
- System design is in accordance to Approving Classification requirements and ASHRAE.
- Fabrication of "Explosion-proof" HVAC units suitable for hazardous areas.
- Installation, Testing and Commissioning in-situ.
- Systems conversion, up-grading and or retrofitting.
- Preventive Maintenance Services (PMS) and Plant Trouble-shooting & Inspection (PTI) Systems

Solutions provided are competitive because we:

- Fabricate Evaporator and Cooling coils in-house with our workshop facilities.
- Supply Refrigerant Compressors & Spares.
- Are well supported with an efficient team of Design and Service Engineers & Technicians

Included with this brief Profile is our track record of turnkey projects that were accomplished by Index-Cool Marine together with our directory of companies in the Index-Cool Group with their respective activities.



DUCT CLEANING

- An R/C Robotic drive was then place inside of the duct in order to explore the inner area of duct to determine the stage of cleanliness and other residual contaminant. Video shot shall capture all photos shoots and shall submit for references.



Robotic machines kits witch LCD Monitor



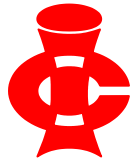
Robotic machine spare parts



Ducting cleaning before and after



Duct cleaning Final Inspection



ELECTRICAL AND AUTOMATION

- Design and Fabrication of various Electrical Control Panels, Overhauling of motors and alternators.
- Servicing of Automation equipment and systems.



Installation of New Control Panel



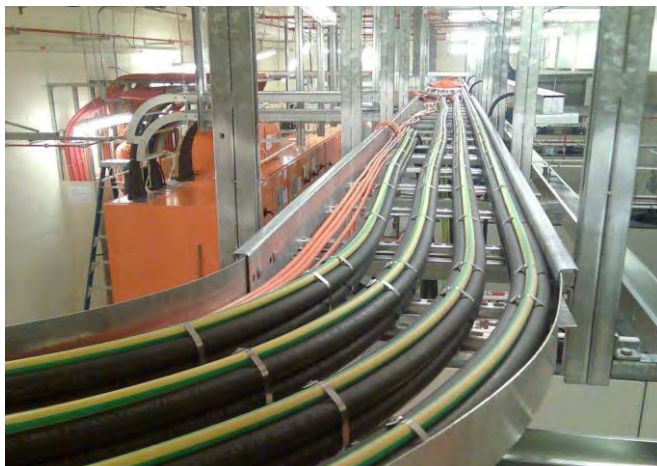
Installation of Control Panel switch



New Control Panel after Installation



Electrical Control Switch(main board)



Laying of cable on board

Over Hauling of Motor



Motor damage winding



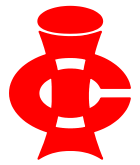
Damage Winding Removed



New Coil Winding

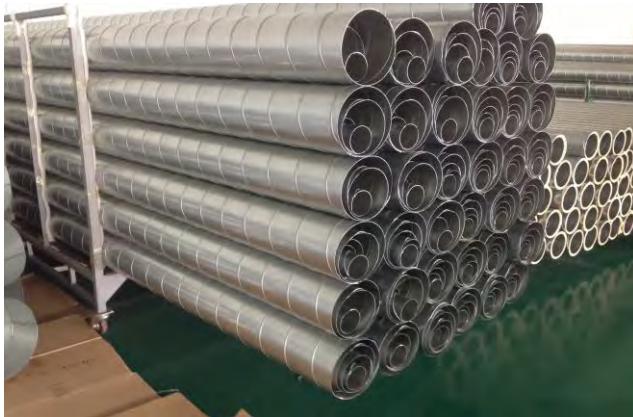


Assembling of motor after Overhauling



GI /STAINLESS STEEL DUCTING & FITTINGS

- Specialize in Fabricate, supply & Install of all GI/Stainless Steel Ducting, Duct fittings that give consistency and aesthetics to the Marine's appearance.



Stockiest of spiral Ducting



Installation of spiral ducting



G.I Rectangular Ducting



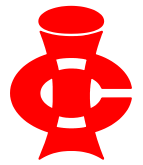
Stainless steel Ducting



Spiral Duct Elbow



A60 Insulation on board



REFRIGERATION PLANT

- Design, assemble and Install new refrigeration equipment including services of various parts.
- Specialize in Fabrication and installation of new cold room using Polyurethane Thermal Insulated Modular Panels.



Assembling of Chiller Unit



Checking of refrigeration system



Reconditioning of Compressors



Evaporator & Fan Assembly Unit



HVAC EQUIPMENT

Fabrication and renewal of various types of Air Conditioning unit and related equipment, i.e Explosion / Non Explosion Proof Fans & Motors, Fire Dampers, and Exhaust Hood for Galleys.



Fabrication of New Condenser



Assembling of New Condenser



Manufacturing of Evaporator Coil with Copper Fins



Provision Plant of Chillers Units



Portable AHU unit for Hire



Existing Marine Engine of Air cooler removed from on board



Existing Marine Engine of Air Cooler Measuring Dimension



New Marine Engine of Aircooler fabrication



New Marine Engine of Aircooler Installation



MACHINING & SPARES

- Range of Lathe and Milling machine are available in our facility. Stockist of various spares i.e Carrier, Bock, Bitzer, Daikin, Copeland, etc.



Spiral Ducting Fabrication Machine



Lathe Work in Progress



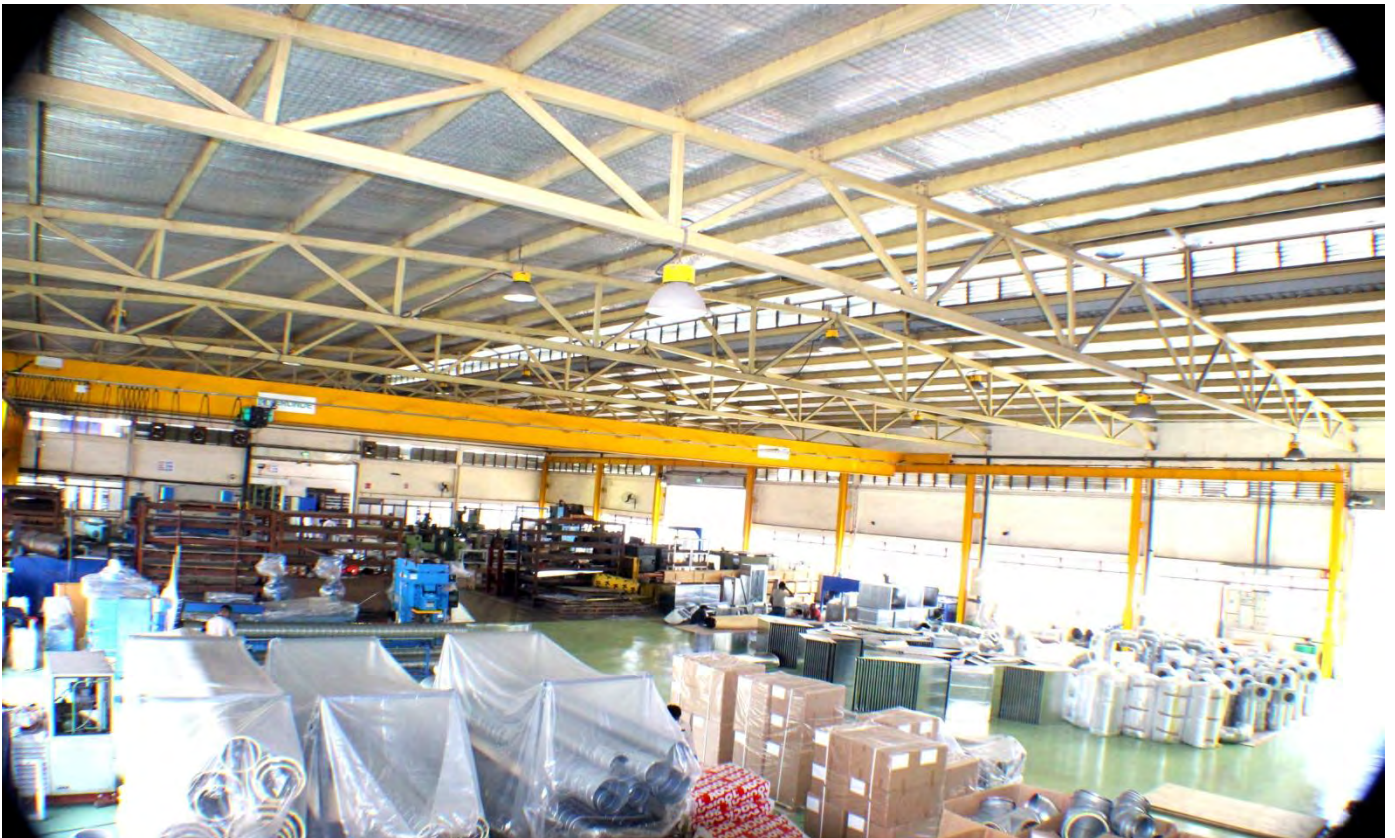
Coil fins Stamping Machine



Programing of CNC Slotting Machine



Machining of New Spindle on the Milling Machine



Overview of factory space



Stockist of Sealed Compressor



Stockist of Refrigerant Gas



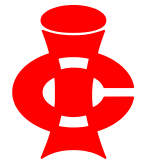
Stockist of Copper Fittings



Stockist of Fan Coil unit



Stockist of Reconditioned Compressor



PIPING & STEELWORK (GENERAL REPAIRS)

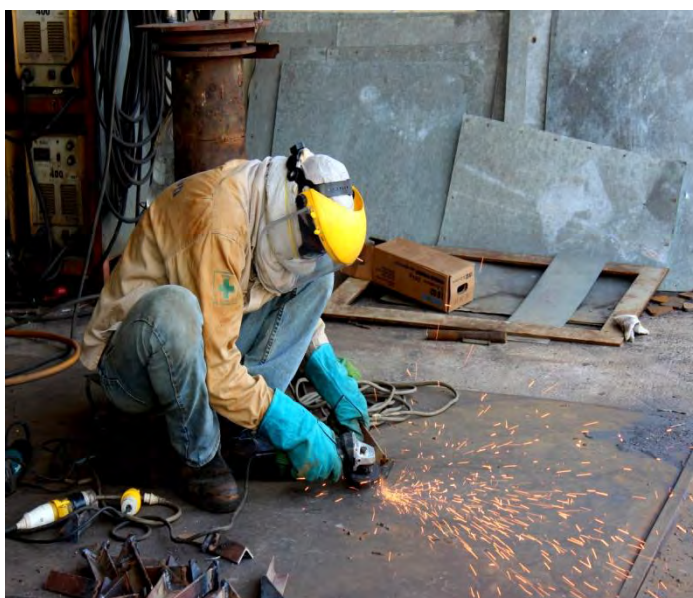
- Provide “Round-the-Clock” Services for Afloat repairs at anchorage, on voyage and in shipyards.
- Besides the core activities, Index-Cool is partnering with shipyards in Singapore and China for various in-house repair activities, i.e. Pipe work, steel repairs, carpentry and others.



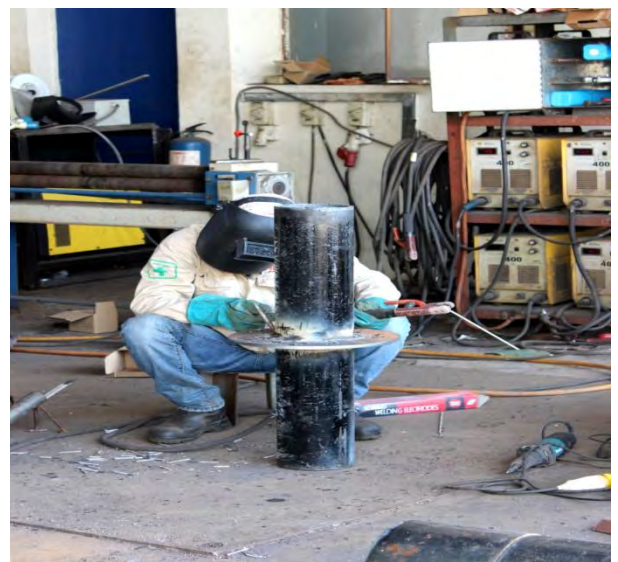
Pipe Work



Steel work in Progress



Grinding in progress



Pipe welding in Workshop



VENTILATION EQUIPMENT

- Specialize in fabrication of specially designed Gooseneck, Mushroom ventilator And Fan House.
- Extensive Experience in Fabrication & Installation of New Trunking & Marine Ventilation System.



Fabrication of New Mushroom Units



Installation of Mushroom on-board



Fabrication & Installation of Gooseneck



Fan House



Fabrication of New Trunking in Progress