



DOLPHIN RADIATORS & COOLING SYSTEMS L.L.C

Pioneers In The Heat Transfer Industry



MARINE INDUSTRY COOLING SOLUTIONS



www.dolphinheattransfer.com

ABOUT US

DOLPHIN has been a leading force in the Heat Transfer Industry for over 38 years, providing service to the Marine Industry from our bases in Sharjah, Ajman, Ras-Al-Khaimah, and Fujairah. Specializing in designing and manufacturing comprehensive heat exchangers for marine and industrial use, our expertise is recognized across the region.

We at Dolphin are committed to servicing a wide range of locations, including Dubai, Northern Emirates, and Abu Dhabi anchorages and ports. Our portfolio extends beyond radiators, with dedicated divisions for HVAC and A.S.M.E. compliant heat exchanger systems. Our Dolphin HVAC-R Division is staffed with experts who manage everything from leak repairs to complete system overhauls, ensuring minimal downtime by offering readily available custom-made coils.

Our Heat Transfer Division (DHT) prides itself as an accredited manufacturer of high-pressure heat exchangers, holding ASME U, U2, S, and National Board R and NB stamps. Located in Ajman, DHT operates a fully equipped workshop capable of producing any heat exchanger, supported by a robust C.N.C. production line. Our inventory includes a wide array of materials like Aluminum Brass (Alu/Brass 70/30, Cu/Ni 90/10, Copper C.S.) and a vast selection of Titanium Plates for diverse heat exchanger types.

Beyond our physical assets, Dolphin's success is driven by our senior management and technicians, whose vast experience and adaptability guarantee the precision and timely completion of each project.

WHAT WE OFFER

In addition to this service, Dolphin will provide riding crews to carry out Heat Exchanger repairs whilst the ship is in transit and has a fully equipped workshop that can either Repair, Clean, Overhaul or Supply new the following Units:

- Shell & Tube Heat Exchangers
- Main Engine Charge Oil Cooler
- Main Engine Lube Oil Cooler {Plate type/ Shell & Tube type}
- Main Engine Air Cooler
- Main Engine Fresh Water Cooler (Plate type/ Shell & Tube type)
- Atmospheric Condenser/ Dump condenser (Shell & tube type)
- Vacuum Condenser (Shell & Tube type)
- Fuel Oil Heater
- Steam Heater
- LGO Cargo Heater
- HFO Purifier Heater
- Aux Engine LO Purifier Heaters
- Box Cooler



Total Capability From Bow To Stern

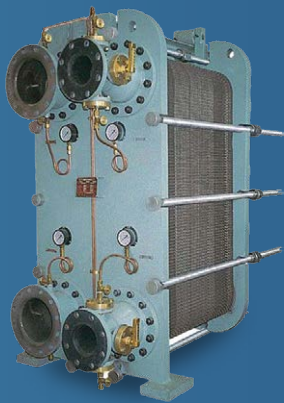
For the marine industry, Dolphin offers a range of heat exchangers from the smallest lube oil cooler to the largest LPG cargo heater that meet a ship's heat transfer requirements from bow to stern.

CHARGE AIR COOLER

At Dolphin, we produce a comprehensive range of main and auxiliary engine air coolers, each designed to seamlessly integrate with most marine diesel engines. Our commitment to superior material quality and craftsmanship meets all international standards, ensuring that Dolphin Air Coolers are not only robust and highly efficient but also durable enough to endure the rigors of extended maritime operation.

- **Our specialized services include:**
Chemical & Ultrasonic Cleaning, Individual tube testing, Coating and More.





Main Engine Fresh Water Cooler (Plate Type/ Shell & Tube Type)

Dolphin's engineering expertise extends to marine applications where fresh water engine and lubrication oil cooling systems are vital. Our selection includes shell and tube water coolers, as well as plate heat exchangers, tailored for situations where space is at a premium. For marine environments, we recommend and provide corrosion-resistant materials to ensure longevity. Our commitment to customization allows us to offer bespoke solutions to match the specific size, shape, and dimensional needs of our clients.

■ **Our specialized services include:**

Pressure testing, Partial Renewal of tubes, Cleaning tubes side coating & Rubber lining

Atmospheric Condenser/Dump Condenser (Shell & Tube Type)

When a steam condenser requires maintenance, we can replace or unblock any number of tubes as needed. Our facilities are equipped to handle the replacement of the entire bundle, including tube plates made of naval brass. We are committed to precision machining of tube sheets using state-of-the-art machinery and assure on-time job completion as per our quotes.

■ **Our specialized services include:**

Crafting new units to match provided samples, Conducting Service and Pressure tests, Sealing leaky tubes, Partial or Complete Retubing and more.



Vacuum Condenser (Shell & Tube Type)

Designed to enhance turbine performance by generating back-pressure and recapturing exhaust steam, our vacuum condenser is a critical component for efficient operations.

■ **Our specialized services include:**

Expert Retubing and Tube Cleaning, Comprehensive Testing, Utilizing Specialized Tools for Retubing that Preserve the Tube Sheet and Baffles, and Working with a Variety of Materials Including Aluminum, Brass, Copper, Nickel, and Duplex Alloy Tubes



Main Engine Lube Oil Cooler (Plate type / Shell & tube type)

This system is essential for delivering lubricating oil to engine bearings and providing cooling to the pistons. Lubricating oil is transferred from the Main Engine Lube Oil Circulating Tank, situated in the vessel's double bottom, through the Main Engine Lube Oil Pump, directly to the Cooler.

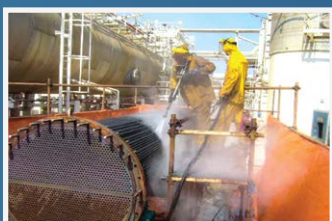
■ **Our specialized services include:**

Custom Design and Manufacturing of New Coolers, Pressure testing, Partial and Complete Tube Renewal, Internal Tube Cleaning, Coating, and Rubber Lining, among others



ULTRA HIGH PRESSURE JETTING SYSTEM

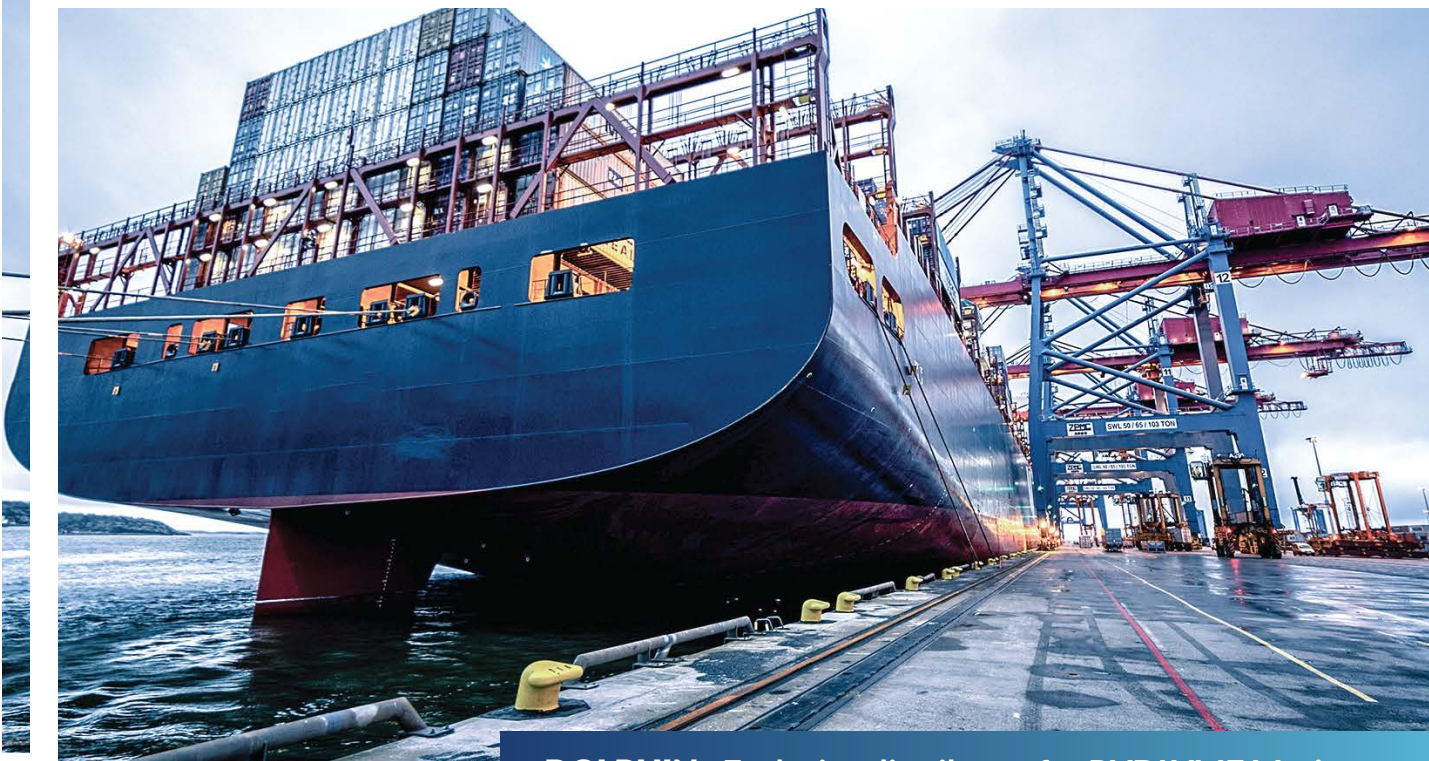
Dolphin extends its services to include high-pressure water jetting, utilizing the German-engineered Woma Ecomaster. This mobile unit provides variable high-pressure water jetting capable of 2500 bar, ideal for precise cutting, thorough cleaning, and effective stripping of internal tube surfaces. Not only is it efficient and cost-effective, but it also meets environmental standards.



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DOLPHIN - Exclusive distributor for RYDLYME Marine.

RYDLYME Marine is an environmentally friendly, biodegradable descaler that effectively breaks down calcium, rust, and other mineral deposits in crucial water systems.

GET IN TOUCH

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