



MARINE TECHNICAL SERVICES

SHIP REPAIR • MAINTENANCE • ENGINEERING

A technical partner for vessel operations

Nexus Shipcare coordinates marine repair, maintenance, fabrication and supply around each vessel's operating needs. We connect the vessel representative with suitable workshops and specialist service providers, then keep scope, timing, access and handover records visible throughout the job. Support can be planned for port calls, alongside work or a scheduled repair period.



VESSEL OPERATIONS | MARINE SERVICE VISUALS

- One point of coordination from enquiry to close-out
- Project-based mobilization and supplier coordination
- Work scopes shaped around vessel access and operating priorities

Clear scope. Skilled execution.

Each request begins with the equipment, observed condition, vessel schedule and required outcome. We review available drawings and service history, clarify the work boundary, parts and access window, then coordinate suitable technical resources. Inspection points and close-out records are agreed before attendance so the vessel team can follow progress and review the result.

**RESPONSE****ONBOARD SUPPORT**

- Assess equipment condition and operating context
- Agree method, parts, access and schedule
- Coordinate execution with vessel and yard teams
- Verify agreed checks and document close-out

WORKSHOP, DECK AND INSPECTION SUPPORT

**FABRICATION****LASHING HARDWARE****INSPECTION SUPPORT**

Repair, Engineering, Manufacturing, Supply

A connected service structure for marine equipment and onboard systems: technical review, repair coordination, workshop manufacture, spare-part sourcing, safety-service coordination and documented handover. The scope is built around each vessel's drawings, equipment data, access and operational priorities.

REPAIR, ENGINEERING, MANUFACTURING, SUPPLY



Heat-transfer equipment



Dimensional inspection



CuNiFe fittings



Spare components



Refrigeration plant



Pipework service

- Ship repair, dry-dock and maintenance coordination
- Manufacturing, machining and reverse engineering
- Main and auxiliary machinery support
- Coolers, PHE, condensers, HVAC and cold rooms
- Container lashing, hatch-cover and deck spares
- UTM/NDT and inspection coordination
- FFE, LSA and lifting-equipment service coordination

Ship Repair & Maintenance

Repair support for hull, deck, pipework and machinery scopes, coordinated alongside, afloat or during a repair period. Typical work packages combine a condition review, access and permit planning, suitable repair resources, agreed inspection points and a clear close-out report. Findings discovered after opening-up are recorded and reviewed before the scope changes.



- Steel and structural repair coordination
- Mechanical and pipework maintenance
- Afloat, port and shipyard work scopes
- Repair sequencing and open-item tracking
- Inspection records and handover

RELATED WORK DETAIL | ILLUSTRATIVE REFERENCES



Deck / machinery



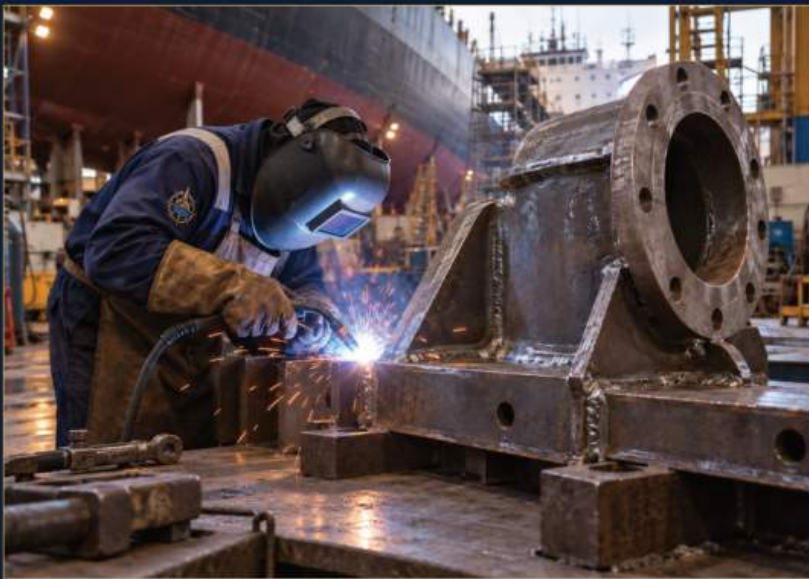
Inspection / repair



Workshop support

Manufacturing & Fabrication

Marine components and assemblies can be produced from approved drawings, confirmed dimensions, a sample part or a defined repair scope. The material grade, tolerances, weld and finish requirements, interfaces and inspection points are clarified before work starts. Suitable workshop resources are selected for each job, from one-off replacement parts to small repeat batches.



- Steel and stainless fabrication
- Pipe spools, brackets and equipment supports
- Marine components and repair parts
- CNC-machined interfaces where specified
- Assembly, finishing and dimensional checks

CNC Machining & Reverse Engineering

When original drawings or parts are unavailable, measurement and condition assessment can support a practical repair or replacement route. After the sample is identified, key diameters, bores, hole patterns, fits and interfaces are recorded for review. CNC turning or milling is coordinated through appropriately equipped workshops, with a first-piece fit check before repeat manufacture where the job requires it.



- Shafts, sleeves, bushes, flanges and spacers
- CNC turning and milling through suitable workshops
- Reverse engineering from an approved sample or drawing
- Dimensional review, fit and function checks
- One-off repair parts and agreed small batches

Main Engine Repair & Reconditioning

Main and auxiliary engine work is defined against maker information, service history and the observed condition. Depending on the approved scope, support can cover inspection and dismantling, measurement of critical clearances, component reconditioning, spare-part identification and specialist workshop coordination. Findings are reviewed with the client before repair limits or replacement parts are confirmed; agreed checks and records form part of the close-out.



- Cylinder-head, liner, piston and bearing work coordination
- Fuel, exhaust-valve and turbocharger component review
- Overhaul, reconditioning and machining support
- Clearance, dimensional and parts records as applicable
- Spare-part identification and supply follow-up

RELATED WORK DETAIL | ILLUSTRATIVE REFERENCES



Heat-exchanger unit



Cylinder-liner measurement



Workshop service

Coolers, PHE & Condensers

Service planning starts with the equipment type, reported temperature or pressure change and the condition of the cooling medium. Plate heat exchangers can be opened for plate, gasket and frame inspection. Compatible parts may be degreased and cleaned in an ultrasonic bath, then rinsed, dried and checked before reassembly. The process is selected for the component material and followed by agreed leak or function checks.



ULTRASONIC CLEANING SERVICE

- Ultrasonic bath cleaning for compatible components
- PHE opening, plate pack and gasket inspection
- Condenser and cooler cleaning or repair coordination
- Leak investigation, reassembly and replacement parts
- Service findings and test results recorded

Marine HVAC & Heating Coils

Vessel HVAC support covers the refrigeration circuit, compressor, controls, evaporator or fan-coil units and air distribution. Cargo-tank heating coils keep temperature-sensitive liquid cargo within its required operating range; CuNiFe piping is also used in heating and fuel systems. We coordinate supply and repair after reviewing the vessel drawings, operating medium, pressure, material, dimensions and access conditions.



TANK HEATING COILS | CuNiFe PIPEWORK

- HVAC compressor, evaporator and fan-coil service coordination
- Cargo-tank heating-coil inspection, repair and renewal
- CuNiFe pipe, elbows, tees, reducers, flanges and fittings supply
- Fuel-system pipework repair and replacement coordination
- Leak assessment, installation checks and service handover

Marine Cold Rooms & Refrigeration

Marine cold-room service covers both the refrigeration plant and the insulated space: compressor and condenser, evaporator and defrost, temperature control, insulated panels, doors, seals and condensate drainage. Provision rooms are assessed by zone and operating temperature; door opening, airflow and alarm history are considered when tracing a temperature deviation.



- Refrigeration plant and temperature-control checks
- Evaporator coil, defrost, fan and drainage service
- Insulated panels, doors, seals and hardware repair
- Temperature monitoring and alarm review
- Maintenance, renewal and fabrication coordination

Container Lashing, Hatch Covers & Deck Spares

Supply and repair coordination for container lashing and hatch-cover accessories begins with vessel drawings, dimensions, type and required delivery point. Depending on the approved scope, items may include lashing rods, turnbuckles, sockets, D-rings, pins, deck fittings, hatch-cover wheels, seals and related steelwork. Delivery can be planned in protective, identified packing with receipt records.



- ISO sockets, D-rings and lashing foundations
- Turnbuckles, rods, pins, chains and deck fittings
- Hatch-cover wheels, seals and related spares
- Protective packing and labelled wooden cases
- Delivery to the agreed port or vessel handover point

Marine Safety Services & Safe Work Controls

The safety scope is organized in three parts: safe execution of repair work, service support for fire-fighting and life-saving appliances, and inspection or load-test coordination for lifting equipment. The vessel SMS, permit system and yard rules govern each job. FFE, LSA, UTM/NDT or load-test work requiring independent approval is arranged through appropriately authorized providers, with responsibilities and resulting records identified in the job file.



SAFE WORK CONTROLS

- Task risk assessment, method and toolbox talk
- Permits, isolation and hot-work fire watch
- Height, lifting and confined-space controls

FIRE-FIGHTING EQUIPMENT · FFE

- Portable extinguishers and fixed systems
- Hydrants, hoses, detection and alarms
- Breathing apparatus and emergency lighting

LSA · LIFTING · UTM/NDT

- Liferafts, lifeboats, HRUs, suits and lights
- Service and inspection coordination
- Crane / lifting-gear load tests; UTM/NDT

Work follows the vessel SMS, permits and yard rules. Statutory inspection, service and certification are performed by authorized providers.

RELATED SAFETY VISUALS | FOR REFERENCE



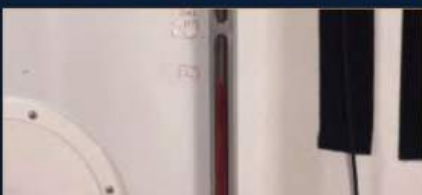
Shipyard & Dry-Dock Coordination

Repair periods depend on clear work packages and practical sequencing. We help connect vessel representatives, yard teams and specialist suppliers, track open points and keep the scope aligned as access or findings change.



- Pre-arrival scope and work package review
- Yard access, sequence and resource coordination
- Progress updates and technical query tracking
- Completion checks and handover documentation

RELATED WORK DETAIL | ILLUSTRATIVE REFERENCES



Deck / machinery



Inspection / repair



Workshop support

Marine Spare Parts & CuNiFe Materials

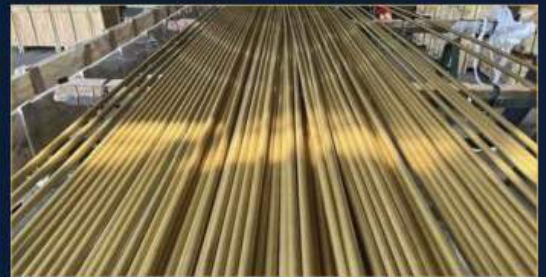
Parts enquiries are checked against maker, model, serial number, dimensions, material and service conditions wherever information is available. For heating-coil and fuel-line scopes, we can coordinate CuNiFe pipe and fittings, flanges, elbows, tees, reducers, couplings and suitable repair bands or clamps. Drawings, nameplate photographs and the failed component help confirm the interface before a quotation or replacement route is agreed.



- CuNiFe pipe, elbows, tees, reducers and flanges
- Heating-coil and fuel-system fittings and couplings
- Pipe repair bands, split clamps and repair components
- Deck, engine, HVAC and refrigeration parts
- Identification, packing and delivery coordination

On-Site Technical Support

For work at port, anchorage or shipyard, attendance is coordinated around vessel location, boarding arrangements, access, permits and the available service window. Before mobilization, the vessel receives a defined work scope, attendance plan and list of required parts or support services. During the job, progress and new findings are communicated; the close-out records state what was completed and any remaining actions.



- Initial technical review and mobilization planning
- Riding-team and specialist supplier coordination
- Daily progress, findings and open-point communication
- Attendance and completion reporting
- Close-out package and next-action list

RELATED WORK DETAIL | ILLUSTRATIVE REFERENCES



Cold-room plant



Pump service onboard



Technical support

Quality, Safety Records & Close-Out

A clear job file makes the work easier to review after the team demobilizes. The exact record set is agreed before work and can include scope, risk controls, inspection points, parts documents, measurements, test records and photographic evidence.

BEFORE WORK

- Confirmed scope, quotation and equipment data
- Method statement and job risk review
- Permits, access and agreed hold points

DURING WORK

- Inspection and measurement points
- Parts and supplied-material references
- Progress photos and open-item log

AT HANDOVER

- Agreed functional or leak checks
- Service report and completion status
- Open items and client sign-off

A TRACEABLE CLOSE-OUT PACKAGE

Typical records may include the approved work scope, risk controls, attendance log, inspection and measurement sheets, material or parts references, test results, photo log and completion report. The exact pack is agreed for each job; third-party certificates are included only when issued by the responsible provider.

SAMPLE RECORD SET | DOCUMENT LAYOUTS ARE ILLUSTRATIVE

01 WORK PACK

Scope • method • permits

Work order and risk-control checklist

02 INSPECTION LOG

Point • reading • finding

UTM/NDT or dimensional record

03 HANDOVER

Tests • photos • open items

Service report and acknowledgement

Records shown are examples of a job file structure, not completed client records or certificates.

Hatch-Cover & Fire Equipment Projects

Selected photographs from Nexus Shipcare workshop and vessel work, covering hatch-cover equipment, firefighting monitors, hose reels and fabricated assemblies.



Hatch-cover panel



Hatch-cover lifting and placement



Hatch-cover work



Hatch-cover seal inspection



Hatch-cover assembly



Manhole cover



Ventilation fan assembly



Deck hydrant valve assembly



Fire monitor assembly



Fire hose reel assembly



Fire monitor nozzle

Workshop & Project Experience

Selected workshop photographs and illustrative marine-equipment visuals.

SELECTED WORKSHOP PHOTOGRAPHS & EQUIPMENT VISUALS



Fire equipment service



Ladder cover



Deck hose reels



Marine fire monitor

SERVICE VISUALS | GENERATED OR REFERENCED FROM THE THREE CATALOGUES



Valves and gaskets



Filters and fittings



Bearings and sleeves



Marine spare-parts kit



Refrigeration plant



Chiller unit



Fan-coil service



Air-duct inspection



Machinery components



Deck assembly



Pipe inspection



Vessel equipment



Heat-exchanger plates



Engine-room machinery



Fuel-system pipework



Machinery controls



LET'S KEEP YOUR VESSEL MOVING

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SCAN TO SAVE CONTACT DETAILS