

# DIESELMECH Repair

moving forward ; growing future



Repair  
Services



Underwater  
Services



Engine Parts  
Reconditioning



Technical  
Supply



Shipyard  
Preparations  
And Supervision



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SINGAPORE • CHINA (SHANGHAI & GUANGZHOU) • MALAYSIA (JOHOR) • INDONESIA (BATAM & JAKARTA) • UAE (DUBAI) • TURKEY (ISTANBUL)

# REPAIR SERVICES

Dieselmeh Repair is targeting for providing ship repair services in Turkey and Europe and being a contact point for emergency issues by assisting ship owners for all kinds of problems.

Dieselmeh teams are available for any kind of planned repairs and maintenance at anchorage or berths.

All logistics operations are handled by in-house organizations as turn-key solutions for cost effective budgets.



## Ship Repair Services Categories

- Steel and piping • Deck machinery • Anchor chain • Insulation and trunks
- Cargo handling equipment • Outfittings • Engine room machinery • Main and auxiliary engine • Reconditioning of engine components • Air condition and refrigeration systems • Boiler • Electrical & electronical components
- Automation systems • ODME, OWS • Navigation equipment • Cleaning and surface preparation in cargo holds and tanks • Underwater services • Hydraulic and pneumatic equipment • Testing, certification and calibration of various equipment

## Workshop Capabilities

- Grinding/boring items • Crankshaft grinding (also insitu) • Crankshaft annealing/heat treatment (also insitu), crankshaft straightening (also insitu)
- Propeller shaft grinding (also insitu) • In-line boring of crankshaft housing, In-line boring of sterntube or rudder shaft way • White metaling (IACS certified), casting for sterntube and intermediate bearings • Optical alignment, surface alignment • Liner honing, engine block machining jobs • Surface grinding and flange facing jobs • All sorts of inspections (hardness, surface roughness, NDT magnetic particle test, dye penetrant test, ultrasonic test by certified personnel), all sorts of CNC machining and manufacturing jobs up to 2 meters diameter

## Voyage Repairs/Fitters

Dieselmeh fitters (with seaman book) can join the vessel for voyage repairs covering steel, pipe, mechanical and electrical works. All team members are qualified and class certified.



# SHIPYARD PREPARATIONS AND SUPERVISION

Dieselmeh is able to assist for all necessary preparations before shipyard arrival and also for the periodical services need to be arranged during shipyard stay.

- Local superintendent attendance • UTM
- Vibration/noise analysis • FFA/LSA services
- Navcom equipment services • Calibration of dedicated equipment such as OWS and ODME



# UNDERWATER SERVICES

## Main Service Locations

İstanbul, İzmir, İzmit, İskenderun, Mersin, Samsun, Zonguldak, Dardanelles.

## Organization

- 6 licensed directly employed divers
- 2 assistants
- 1 supervisor/superintendent

## Cleaning Technologies

- Cavidyne HP Water Jet Cleaning Unit (Cavitation Technology)
- Hydraulic propeller polishing unit (STANLEY) (Hydraulic system)



# ENGINE PARTS RECONDITIONING

In-house recondition workshop for 2-4 stroke engine parts reconditioning such as piston crown, exhaust valve, cylinder head, piston rod and piston skirt.

## Recondition Items

- Piston crown, piston skirt, piston rod
- Exhaust valve, valve stem, seat, cage
- Connecting rod
- Cylinder head
- Crankshaft

# TECHNICAL SUPPLY

Dieselmeh provides support for locating the necessary spare parts supply in a competitive and efficient way. We involve our engineering background when there is a need of our assistance and target for the most reasonable solution in a realistic way.

We are able to source second hand parts through our sub-offices in demolition yards in Turkey.

- Various technical supplies and spares during drydocking, port stay or transit passage
- Fabrication of components
- Second hand parts through demolition yards
- Engineering support
- Wide network for all spares



## MAIN SWITCHBOARD AND POWER MANAGEMENT SYSTEM

- Generator circuit breaker maintenance, repair and replacement
- Maintenance for generator load sharing issues
- Maintenance of generator power management systems
- Installation of new power management systems for generators
- Circuit breakers replacement and repairs
- Repairs for malfunctions of indicators and lamps
- Generator panels repair and maintenance
- Load sharing system installation for generators

## GENERATOR AND TRANSFORMER

- Alternator voltage problems repair and maintenance
- Alternator cleaning works and bearing replacement
- Disassembly and repair in workshop environment for alternator winding repairs
- Low voltage transformer cleaning and maintenance
- Low voltage transformers winding repairs, workshop maintenance
- Emergency generators repair and maintenance
- Generator safety panel and starting systems diagnosis and maintenance

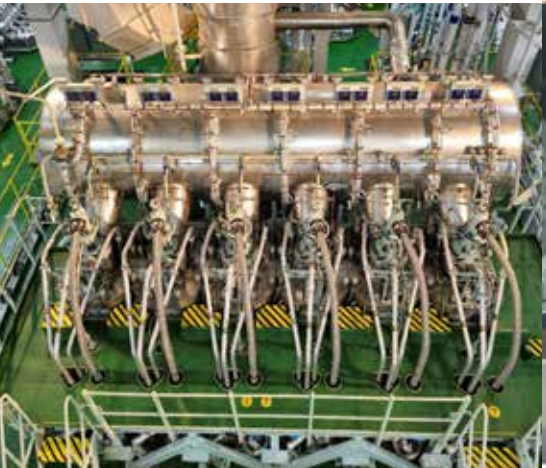


## MAIN ENGINE CONTROL AND SAFETY SYSTEM

- Main engine control automation systems repair and maintenance
- Main engine safety systems repair and maintenance
- Oil mist detector problems, repair and maintenance
- Maintenance of main engine indicator and lamp
- Main engine automatic shock filter repair and maintenance

## NAVIGATION AND DECK LIGHTING SYSTEM

- Navigation lamp panel problems repair and maintenance
- Replacement of navigation lamp panels
- Deck lamps repair and maintenance
- Search lights repair and maintenance
- Suez lights repair and maintenance



## UPS AND CHARGING AND 24VDC SYSTEM

- All UPS maintenance, battery replacement works
- Repair, replacement and battery maintenance of charging units
- 24 VDC system repairs
- 24 VDC system circuit breaker repair and maintenance



## PURIFIER SYSTEM

- Purifier systems electrical automation systems repair and maintenance

## BOW THRUSTER

- Bow thruster system electrical troubleshooting, repair and maintenance for automation systems

## REMOTE CONTROLLED VALVE SYSTEM

- Remote controlled air or oil system valve remote control and automation system repair and maintenance
- Designing remote-controlled air or oil system valve remote control system

## ALARM MONITORING SYSTEM

- Repair, maintenance and calibration works for alarm monitor system problems.
- Alarm monitor system computer repair and maintenance
- Project planning of new alarm monitor and system installation



## STEERING GEAR

- Steering system
- Control automation electrical systems repair and maintenance
- Rudder angle indicators repair and maintenance



## ELECTRIC MOTOR

- All electric motors repair, maintenance, replacement of bearings rewinding and balancing



## LEVEL CONTROL AND INDICATOR

- Tank level indicators repair and maintenance
- %95-%98 tank level alarm system indicators and alarm repair and maintenance



## GEAR BOX

- Repair and maintenance of automation problems in gearbox control
- Shaft earthing problems, brushless replacement, repair and maintenance
- Gear box indicator and fault lamp repair and maintenance
- Pitch control system calibration and maintenance