

ELENG

supply and technical service
of industrial equipment /ships since 1995

eleng.com

WHO **WE** ARE?

- **highly qualified staff**, who participate in trainings abroad (>160 employees)
- **5 workshops and 2 office buildings** on private territory
- Capacious **4 warehouses** and availability of numerous spare parts
- **own transport**
- **approval** of leading classification societies and equipment manufacturers
- **customs warehouse** for marine industry and industrial sector on company`s territory

ELENG LLC – one of the biggest companies in Ukraine for ships and industrial equipment service since 1995

LOCATION: in 10 min from Chornomorsk port (ex-Ilyichevsk), one of the biggest ports of Ukraine



WAREHOUSES

- with spare parts and mechanisms
- marine chemicals (UNITOR) and paint



Bonded warehouse
with storage space > 1500 m²

Our mission – make movement in sea and ashore more safely, effective and eco friendly

ELENG – one of the biggest companies on the south of Ukraine / Black Sea basin for ships and industrial equipment service since 1995.



WE HAVE:

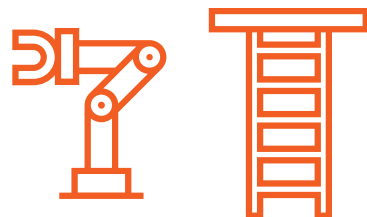
- **highly qualified staff**, who participate in trainings abroad
- own modern **facilities and equipment**
- capacious **warehouse** and availability of numerous spare parts
- **own transport**
- **approval** of leading classification societies and equipment manufacturers
- **customs warehouse** for marine industry and industrial sector on company`s territory



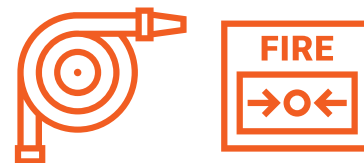
COMPANY`S DEPARTMENTS



SHIP REPAIR



**LAUNCHING
APPLIANCES**



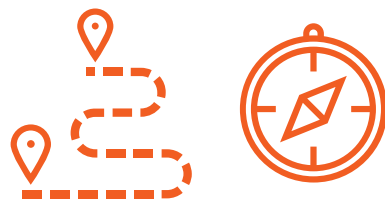
**FIRE FIGHTING
EQUIPMENT
SERVICE STATION**



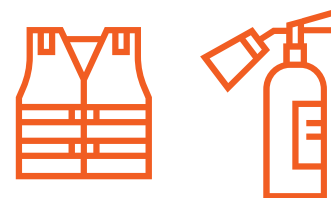
**LIFE-SAVING
APPLIANCES
SERVICE STATION**



YACHT SERVICE



RADIONAVIGATION



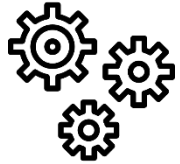
SHIP SUPPLY



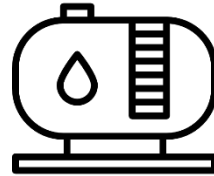
POWER SYSTEMS



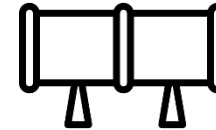
SHIP REPAIR



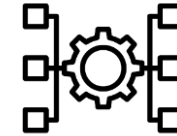
Main and auxiliary engines
Repair, supply and replacement



Fuel equipment
Repair of any types



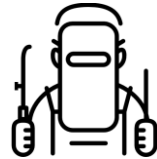
Ship, deck and auxiliary mechanisms
Repair, supply and replacement



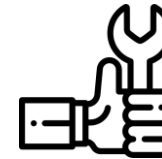
Automatics
Installation, starting-up and adjustment works,
service and repair



**Azimuth thrusters,
hydraulic cylinders**
Repair



Welding
Manual with electrodes and semi-automatic
by wire in CO₂ environment



METALOCK
Recondition of cast-iron and
steel constructions
without heating



EPOXY
Repair of mechanisms
by polymeric material



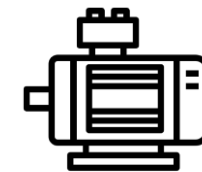
EASY LASER
Testing of bed frame



Non-destructive testing (NDT)
Penetrant and magnetic methods

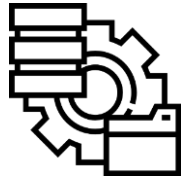


Turbocharger
Overhauling, service and dynamic balancing



Rotor cleaning
Overhaul and sand

SHIP REPAIR



Bearing babbiting



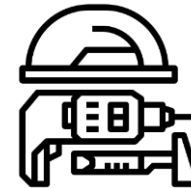
**Piston reconditioning
by overlaying method**



Cylinder head reconditioning
cone overlaying, replacement
of all types of sleeves



Line boring
using "CLIMAX" machine



Valve and seat reconditioning
by stellite overlaying method

Machining Workshop/CNC

- At our workshops there are more than 55 different lathes (including 4 CNC machines) and machining tools, specially adopted to the needs of ship repair industry.



- Our engineers are using 3D modelling to receive the best precision on our CNC machines.



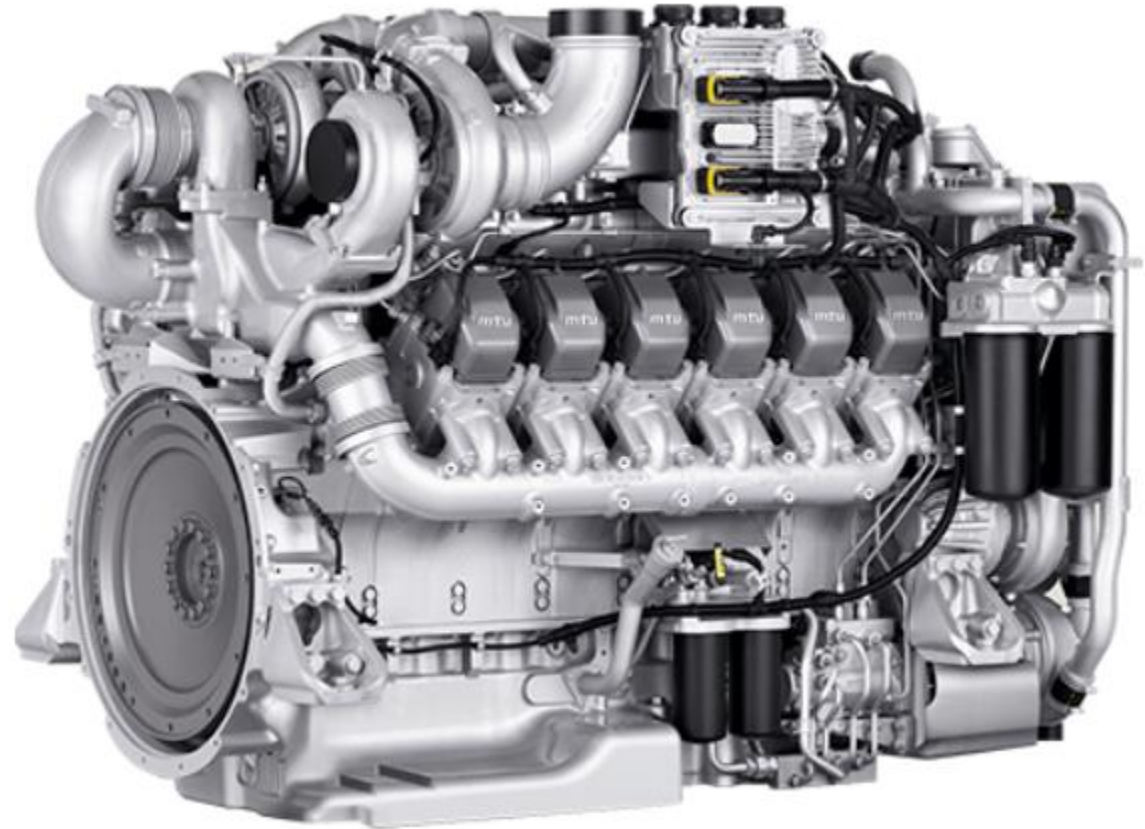
ENGINES – SUPPLY AND SERVICE

- Yanmar
- MTU
- Detroit Diesel
- MAN
- SKL
- Volvo Penta
- Weichai
- Wartsila and others



ENGINES OVERHAUL

- E** piston reconditioning by overlaying method
- E** cylinder head reconditioning (cone overlaying, replacement of all types of sleeves)
- E** valve and seat reconditioning by stellite overlaying method
- E** repair of auxiliary mechanisms of engine:
 - compressors, pumps and turbochargers
 - all types of fuel equipment



SHIP MECHANISMS - MANUFACTURING

- 🔧 launching appliances СПУ-1700
- 🔧 release gear for rescue boat
- 🔧 inflatable rescue boat ELENG-400
- 🔧 heat exchangers
- 🔧 propeller shafts



Also we make ship mechanisms service aboard



PROPELLER SHAFTS / HEAT EXCHANGERS

- € we **manufacture** propeller shafts for Volgo-Don, Omsky and Sormovsky type ships up to 16 m with RMRS certificate
- € **quality of propeller shafts** is checking by NDT before supply
- € **kit of propeller shaft** includes:
 - stainless steel facings
 - certificates of classification societies
- € our specialists can make all necessary works for replacement of propeller shaft if needed
- € manufacturing/repair of heat exchanger/tube bundles, spare parts etc.



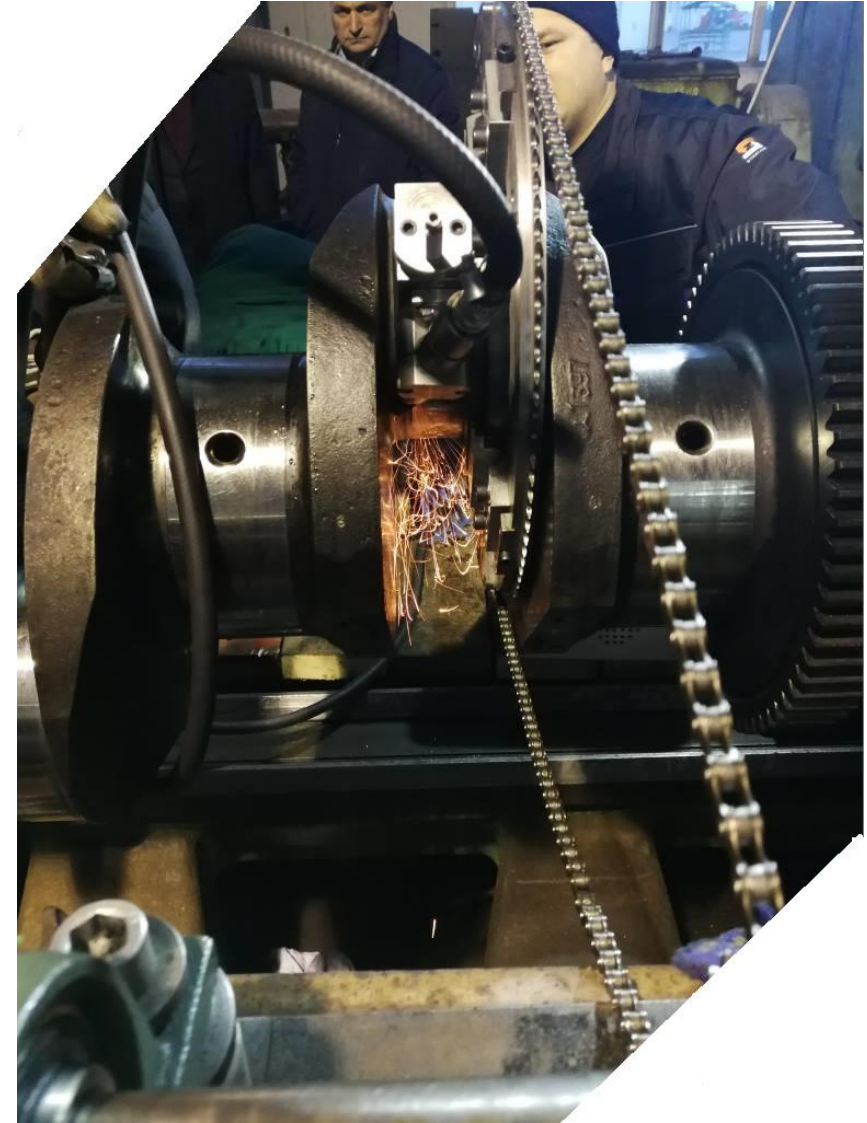
IN-SITU MACHINING

E Equipment deinstallation for repair in workshops often is not suitable for shipowners and in some cases impossible

E Therefore our engineers have mastered modern technologies of mechanisms testing and repair **aboard** by portable equipment

What we do?

- E** • on-site crankshaft machining and grinding
- in-situ line boring
- stern tubes boring
- laser alignment services
- manufacturing of parts and mechanisms by CNC machines



METALOCK

- ❏ ELENG is an official member of International Association **METALOCK** since 2005
- ❏ METALOCK technology is restoration of cast-iron and steel structures **without welding**
- ❏ **Benefits:**
 - no quenching structures, cracks and thermal deformations of structures
 - no need to disassemble structures into separate assemblies and parts



APPROVALS



CUSTOMERS



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