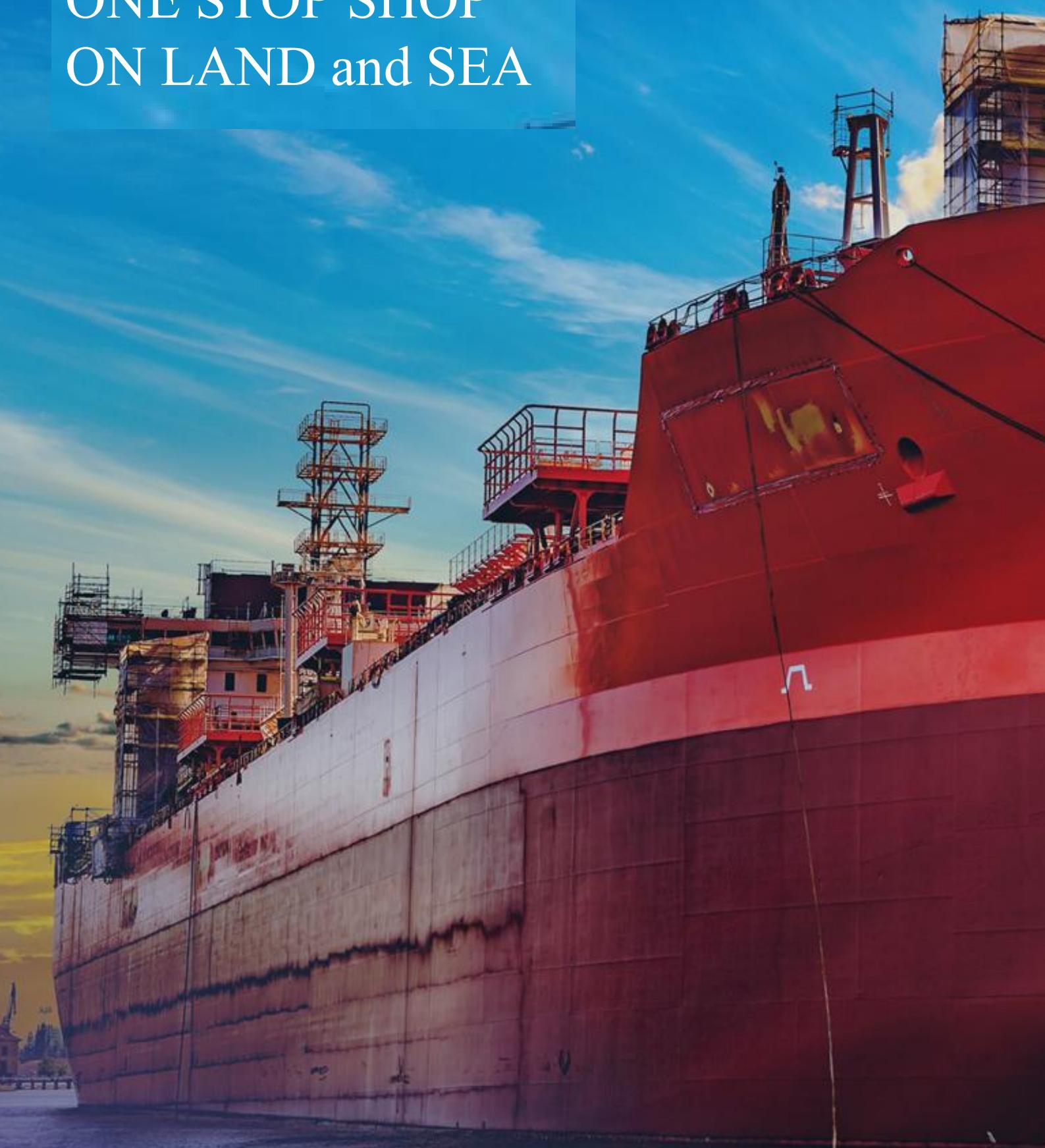


Since 1973

ONE STOP SHOP  
ON LAND and SEA



NICO International, is one of the leading marine and industrial engineering company operating in the Arabian Gulf for more than 48 years.

With a number of strategic locations dotted about the Middle East coastline, NICO offers the whole spectrum of marine and industrial repair services as listed below.

- Engine Repairs & Component Reconditioning
- Propulsion System & Turbocharger Repairs
- Major Refurbishment & Conversions
- Industrial Plant maintenance & Shutdown assistance
- Riding Squads & Afloat Repairs
- Fuel Pump, Injector & Governor Services
- Insitu Machining and Laser Alignment
- Pump & Auxiliary Equipment Repairs
- Steel & Aluminum Fabrication & Construction
- Deck Machinery, Cargo Gears, Hydraulic & HVAC Services
- Boiler Inspection, Survey & Condition Assessment
- Automation, Instrumentation & Calibration Services
- Motor Rewinding & Vibration Analysis
- Underwater Services, Anchor Recovery & Salvage
- OEM representation for sales & services
- Technical Resources Outsourcing

NICO is a 'One Stop Shop' for all marine and industrial engineering services



## DRYDOCKING SERVICES

- Dubai (Dubai Maritime City) - Complete drydocking works for vessels up to 130 m Length, 6000 tons.
- Fujairah (Port of Fujairah) – Complete drydocking works for vessels up to 200 tons.

## MECHANICAL SERVICES AND STEEL REPAIRS

- Main & auxiliary engine repairs, overhauling & trouble shooting
- Propeller, shaft, coupling, seal and rudder repair and maintenance during docking and afloat
- Pump, compressor, winches, capstan & other deck machinery repair
- Various mechanical, hydraulic and steel repairs during docking, alongside, anchorage & on voyage
- Various sizes of pumps for desalination plants
- Bow and stern thruster overhauls
- Fuel pump & governor overhaul & repair
- Fuel injection equipment servicing & testing
- Deck crane, monorail crane, EOT repairs
- Diesel & hydraulic pumping equipment – rental & service
- Gearbox refurbishment, supply of spares & re-engineering
- Heat exchanger, repair, cleaning, retubing, rebuilding & testing
- Pipe repair, replacement & testing
- Inert Gas, COW system repairs & installation
- Corrosion protection & painting
- Valve repair, installation & overhaul
- Mechanical splicing of Wire Ropes
- Line Boring and chock fastening
- Overhaul of all rotating & reciprocating machinery
- Steam turbines overhaul and reconditioning
- Cargo pumps and COPT

## MACHINING SERVICES

- Reconditioning of exhaust valves, cylinder heads as per OEM procedures
- Reconditioning of con-rods & liners - on board & workshop
- COW machine refurbishment and testing
- Lathe machine:
  - Max Length – 5 m (in between centers)
  - Max Dia. – 1.2 m
  - Max Weight – 4 T

## ELECTRICAL SERVICES

- Rewinding, repair & refurbishment of generators, motors and transformers - up to 3MW
- Vibration analysis for motors & generators
- Balancing of rotors, fans & armature

## AUTOMATION SERVICES

- Marine Electrical & Automation
- Industry and oil field instrumentation
- Engine control system
- Ship electrical new installation, retrofit and conversion works
- Crane and winch control system
- Switch gears overhauling and testing
- Pump room instrumentation
- Tank gauging and measurements
- Ballast water treatment system installation
- PCB repairs
- Preventive Maintenance Services
- Thermographic surveys
- Noise level survey
- Calibration, testing and certification of Electrical

## HYDRAULICS SERVICES

- Deck machinery - repair & overhaul
- Hydraulic and electrical cranes
- Hydraulic hoses crimping & supply

## AIR CONDITIONING AND REFRIGERATION

- Repair, retrofit and modification
- General assessment of the HVAC system, troubleshooting / investigate/ report and recommendations.
- Inspection, repairs, Installation and commissioning of AC Compressors.
- Supply and installation of new AC Units, including Nitrogen flushing , Gas charging and Commissioning works.

## TRANSMISSION AND PROPULSION SERVICES

- Repair and maintenance of following:
  - Marine & industrial transmissions
  - Surface drives and propellers
  - Electronic control systems
  - Niigata engines and Z-pellers
  - Kumera transmissions and Fifi systems
  - Technodrive products and power take-off
  - Couplings

## TURBOCHARGER SERVICES

- Overhaul and troubleshooting - on-board or in workshop
- Rotor dynamic balancing & thermal balancing
- Rotor re-blading and shaft rebuilding
- Metal spray, micro blasting of compressor wheel seating area
- Compact ash blasting – beadomac process
- Turbine blades repair & refurbishment

## OUR MAJOR PARTNERS



Engines



Motors and Alternators



Fluid Couplings



Transmissions & Fifi solutions



Remote Control System



Electrical and Generating Systems

### BOILER SERVICES

- Boiler condition assessment and inspection (Endoscope and U-Sonic thickness gauging) including analysis of damage life improvement & extension studies
- Complete boiler control system
- Exhaust gas economizer and WHR units
- Combustion control repairs
- Fabrication of tubes, coils for boilers and economizers
- Thermographic survey
- Remnant life assessment
- Efficiency, performance & operational studies
- Boiler tubes - supply & replacement
- LSMGO upgrade
- Boiler Chemical Cleaning

### INDUSTRIAL, FABRICATION AND CONSTRUCTION SERVICES

- Plant Turnaround / Shutdown services
- Plant Modification Projects comprising fabrication, mechanical and electrical works
- Static and Rotary equipment's repair and maintenance services
- Plant Relocation and Erection services
- Fabrication of Offshore & Onshore Steel structures
- Manufacturing of inert gas blowers (SS Impellers) and expansion bellows (Marine)

### TECHNICAL RESOURCES OUTSOURCING

Provider of following skilled / qualified Technical Resources for On-shore and Off-shore projects on Short term and Long-term / On-call and Contractual basis for Oil and gas, Power and Energy and Construction sectors

- Project Team - Supervisors / Foreman / Leadman / Charge hand
- Safety Officers
- QC Engineers / NDT Technicians
- Fabricator - Structural and Pipe
- Welders (Certified):
  - Process: SMAW / GTAW / GMAW / FCAW.
  - Position: 1G, 2G, 3G, 4G, 5G, 6G, 6GR.
  - Material: Carbon Steel / Stainless Steel / Aluminium / Copper Nickel / Alloy Steel / Super Duplex
- Millwright technicians
- Mechanic and Mechanical Fitters
- Electrical and Instrumentation technicians
- Painters (Brush and Spray) & Blasters (Grit, Sand & Hydro)
- Riggers (Certified)
- Scaffolders (Certified)
- Mechanical, Fabrication & General helpers
- Crane and Forklift operators
- Riggers and Scaffolders Certified
- Mechanical helpers & General helpers
- Turnkey Shutdown & Maintenance Services

"Achievement beyond horizon" is the credo of NICO International is a philosophy that NICO not only preaches but truly practices to the utmost satisfaction of the global clients.



# LOCATIONS

## MIDDLE EAST

### FUJAIRAH

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NICO International is accredited to the latest standard of ISO 9001, ISO 14001 and OHSAS 18001.

**[nicouae.com](http://nicouae.com)**

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