

A photograph of a diver underwater, illuminated by a bright light source, possibly a torch or a light from another diver. The water is clear and blue. The diver is wearing a full diving suit, including a mask, regulator, and BCD. The image is framed by dark blue and red geometric shapes.

## UNDERWATER SERVICES

**NICO INTERNATIONAL is constantly growing in size and stature since it was established in 1973 making the company one of the leading marine, industrial services and engineering companies in the region.**

NICO International operates 24/7 all throughout the year and we pride ourselves for the rapid response we are able to provide to our clients.

Accredited by DNV to ISO 9001:2015, ISO 14001:2015 and ISO 18001:2007 our commitment to Health, Safety and the Environment is firm and unwavering.

NICO International's ADCI certified Commercial Diving Department is strategically situated in the Port of Fujairah, United Arab Emirates, for servicing vessels entering and exiting the Straits of Hormuz. With a number of registrations and approvals such as Port of Fujairah, DMCA, EHS Trakhees, Sharjah Ports Authority and ADPC approval to conduct commercial diving operations in the various ports and anchorages of the UAE, we can offer our customers a broad range of operational locations.

# SHIP HUSBANDRY

NICO International provides commercial diving services for vessels at all major ports and anchorages with in the UAE; our services include but are not limited to:



## Underwater Hull Cleaning

Underwater hull cleaning is carried out to remove the buildup of marine fouling which causes increased drag and can have a direct impact on the vessels hydrodynamic performance. Using hydraulically powered, diver driven; brush karts fitted with specialist tried and tested hull cleaning brushes. Our brushes are capable of removed light fouling such marine slime and heavy fouling such as barnacles.

After extensive trials, NICO's hull cleaning brushes are officially approved for removing marine growth on coating systems such as conventional anti-fouling, SPC and Silicon without causing damage to the paint. Our hull cleaning brushes are also approved by International Paints for removing marine growth on silicon based coating systems.

## Propeller Repairs

NICO International is capable of carrying out underwater cutting of damaged blades with bends, nicks and cracks. By using underwater cutting and grinding discs the blades can be re-shaped to ensure maximum efficiency is obtained.

## CCTV Class Inspections

NICO International is approved by all major Class Societies for carrying out IWS, UWILD and Paint Surveys of vessels and Jack-Up Rigs.

Our CCTV equipment is of the latest technology available on the current market.

NICO Currently holds approvals from ABS, BV, DNVGL, KR, LR, NKK, RINA, and RMRS.



## Propeller Super Polishing

The effect of the propeller surface condition is less important than the hull condition, but significantly more important in terms of energy loss per unit area. Reducing the surface roughness of a propeller prevents marine organisms from anchoring and developing which in turn creates increased drag.

Therefore a well maintained polished propeller is a cost and time effective asset for a vessel, a low investment with very high returns.

NICO's professionally trained divers use hydraulic hand motors fitted with various coarse "3M" polishing pads. The final surface roughness is a Grade "A" on the Ruberts Comparator Scale.

## Blanking, Plugging and Cofferdam Installation

NICO International designs, fabricates and installs cofferdams, blanks and plugs on vessels to allow for internal repairs ranging from valve replacement to pipeline overhauling.

## Transducer and ICCP Replacement

NICO International's experienced divers are trained to carry out transducer, echo sounder, speed log and ICCP change outs in water. Carrying out these operations in water avoids the vessel dry docking and greatly saves on cost.

## Underwater Welding

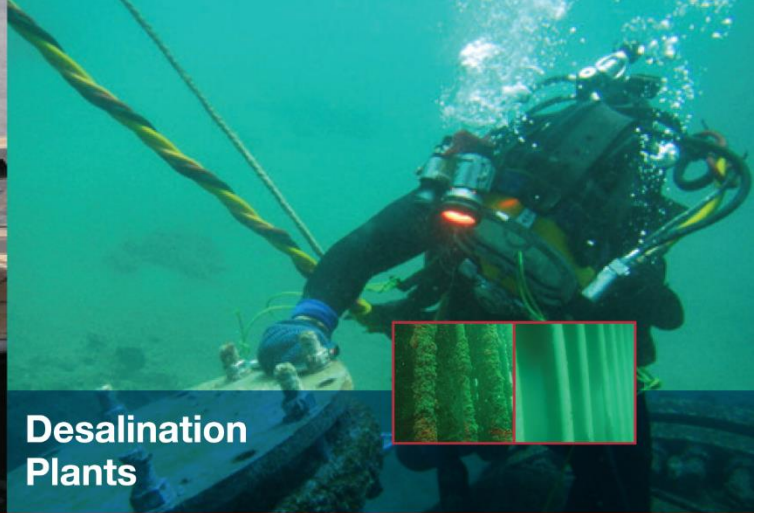
NICO International has full time employees certified to underwater welding standards ANSI/AWS D3.6M:2010 – Class B. These divers conduct sacrificial anode installation, temporary and permanent repairs on underwater vessel structures.



## Marine Construction

NICO International provides a wide variety of diving services to the marine construction industry. Our services include, but are not limited to:

- Pontoon Installation / Cleaning
- Jetty Inspections
- Installation of Sacrificial Anodes on Sheet Piles.
- Underwater Welding and Broco Cutting
- Sea Bed Surveys
- Bridge & Pile Inspection
- Air Lifting
- Debris Clearance
- Navigation Buoy Installation / Re-location
- Jelly Fish Net Clearing



## Desalination Plants

NICO International provides diving support for the various desalination plants within the UAE. Our services include, but are not limited to:

- Pipeline Cleaning and Inspection
- Internal Pipeline Cleaning and Inspection
- Bellmouth Cleaning
- Screen Cleaning / Replacement
- Chlorine Pipe Repairs
- Flange Removal and Replacement
- Navigation Buoy Installation / Re-Location / Inspection



## Salvage Operations

NICO International's experienced teams of divers have conducted various salvage operations throughout UAE's territorial waters. With expert project planning and suitable lifting equipment we have successfully recovered and / or reloaded

- Vessel Anchors
- Vehicles
- Service / Supply Vessels



## Offshore Operations

NICO International provides a wide variety of diving services for the oil & gas industry in the Middle East. Our services include, but are not limited to:

- Calm Buoy SBM Maintenance / Inspection / Cleaning
- Sub-Sea Hose Change Out
- NDT Inspection
- Platform Inspection / Cleaning / Repairs

## Assets

NICO International has an extensive range of water related equipment ready for use on our diving operations. Our equipment includes, but is not limited to:



### NEMO

19m Catamaran dive support vessel based at Fujairah Port for diving operations at Fujairah and Khorfakkan Anchorage.

### Diving Decompression Chamber

Our IMCA compliant mobile DDC can be mobilized at short notice to support our diving operations anywhere with the UAE.

### Surface Demand Diving Equipment (SDDE)

Is used on all our diving operations.

### Hull Cleaning Equipment

NICO International have an in-house fabrication team dedicated to fabricating and modifying our hull cleaning equipment to obtain maximum cleaning results without damaging a vessels coating system.

### HP Water Jet

Used for SBM and marine construction projects. Hydraulic Hand Tools – Used on various underwater operations.

### Hydraulic Hand Tools

Used on various underwater operations.

## Accreditations



Shell Diving Centre of Excellence

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