



TRITON  
DIVING  
SERVICES  
LIMITED

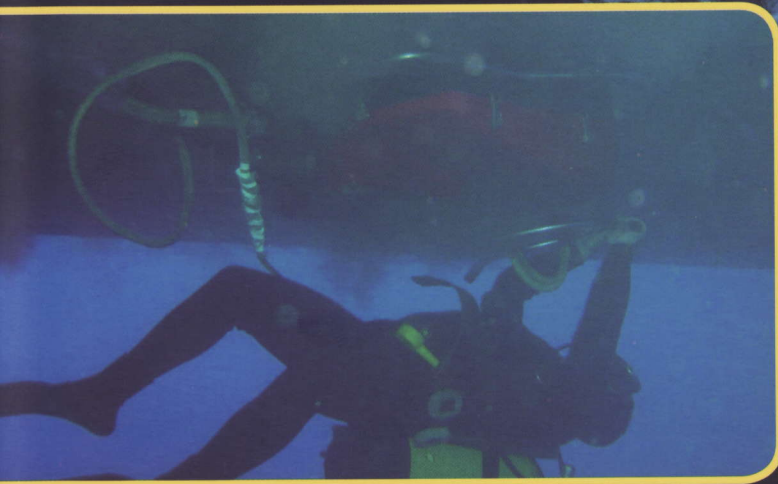
UNDERWATER CONTRACTORS

# TRITON DIVING SERVICES LIMITED

**T**riton Diving Services Ltd is a leader in underwater ship repair and maintenance to ships in Malta and Worldwide. Providing state of the art repair solutions, our factory trained personnel and specialized equipment are awaiting your call anywhere in the world! With our strategic location right in the centre of the Mediterranean, we can assist vessels in any surrounding ports and mobilize to any destination within hours.

## HULL CLEANING

Triton Diving Services Ltd. operates the multibrush cleaning system. The machine is capable of cleaning up to 700m<sup>2</sup> per hour using appropriate bristles to protect the shell plating coating system. The brushes which are used specifically for each operation are configured to remove any type of soft or hard marine growth.



## PROPELLER POLISHING

Triton Diving Services Ltd. operates a high speed polishing system which specifically is designed for multi stage polishing discs. The polishing consists of a three stage process, comprising the blades, blade roots, propeller boss and cone. Firstly the propeller is polished with using a coarse grade abrasive removing all the



algae, weed and shell fouling. The propeller then undergoes a second polishing using a very fine abrasive polishing the surface to approximately 2 micron C.L.A. Finally the last operation depending on the condition of the propeller will be to polish it using a special buffer pad to achieve the 1 micron C.L.A.

## CLOSED CIRCUIT VIDEO SURVEYS - CCTV

Certified by the major leading Classification Societies for in-water video surveys, Triton Diving Services Ltd. operates a digital CCTV system for its operations.



### Services include:

- Underwater Surveys/Examinations for Class Extension
- Pre-purchase Inspections
- Damage Assessment Inspections
- Hull Coating Inspections
- Close Visual Inspections
- Inspections of Bridges
- Inspections of Steel & Concrete Structures
- Inspections of Piles and Jetties

# UNDERWATER CONTRACTORS

## PHOTOGRAPHIC & VISUAL INSPECTIONS

Ship owners and management companies request Photographic and Visual Inspections as an alternative to CCTV operations. This proves to be very cost effective and is carried out by our professional divers operating Sony digital cameras.



## N.D.T. SURVEYS

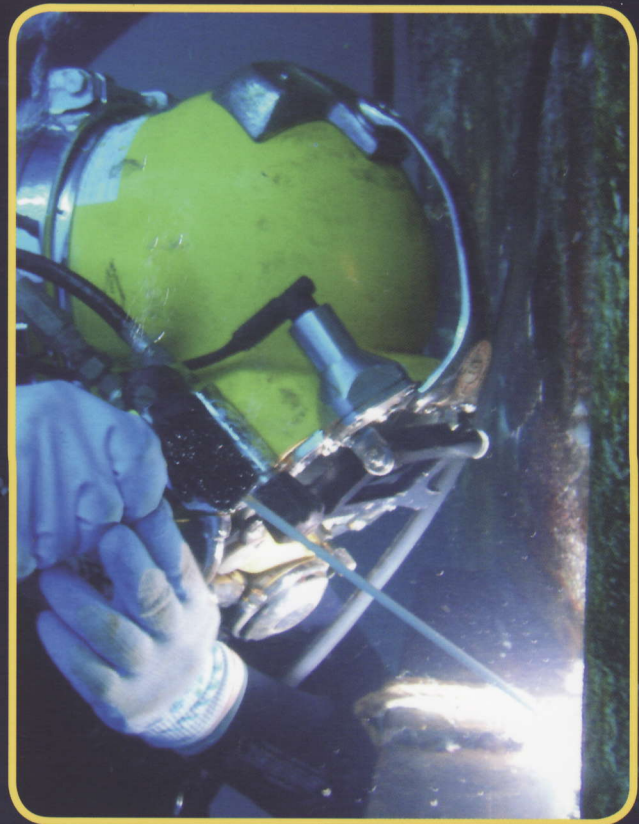
Certified by leading classification societies, Triton Diving Services use state of the art instruments to measure accurately weld defects and corrosion monitoring. Together with our Level III technicians, we are able to carry out an efficient and effective service.

- Ultrasonic Thickness Measurements
- Ultrasonic Shear Wave (weld flaw & crack detection)
- Magnetic Particle Inspection
- Corrosion determination



## UNDERWATER SHELL PLATING REPAIRS

Triton Diving Services Ltd. provides a fast response team of certified class approved welders for underwater shell repair plating anywhere in the world! Using specially designed cofferdams, defective shell plating sections can be replaced in hours. Our welding procedures are approved by the classification surveyors.

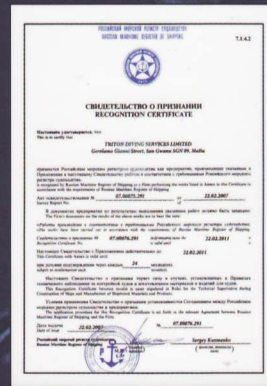
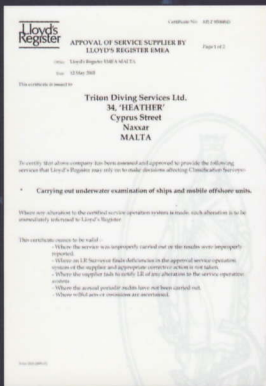
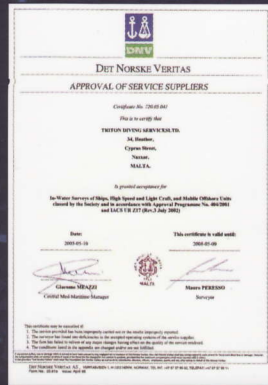
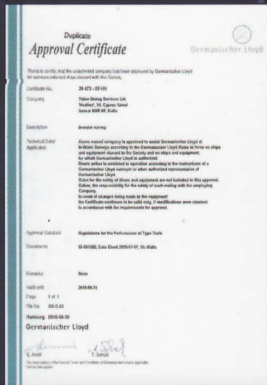


### Our underwater welding services include:

- Dry weld permanent repair of Shell Plating
- Dry weld installation & replacement of Discharges, Sea Chests etc.
- Anode Installation
- Cavitation Repairs
- Insert Repairs
- Epoxies, Patches, Inserts etc.

### Underwater appendages repairs

- Replacement of Echo Sounders and Speed Logs
- Impressed Cathodic Protection replacement
- Grid replacements



## CLASSIFICATION SOCIETIES

Triton Diving Services Ltd. is approved by all major classification societies:

Lloyds Register of Shipping

Germanischer Lloyds

RINA

Russian Maritime Register of Shipping

Det Norske Veritas

Bureau Veritas

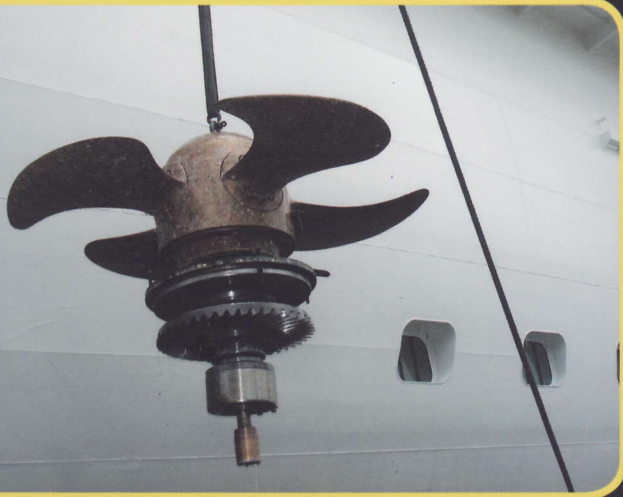
American Bureau of Shipping

# UNDERWATER CONTRACTORS

## UNDERWATER PROPELLER REPAIRS

Providing a cost effective service afloat, Triton Diving Services Ltd. technicians are qualified and able to assess accurately the propeller condition to determine the best possible repair solution. Our grinding and cropping tools provide accurate and cost effective repairs.

- Removal of damaged blade sections
- Propagation control – crack repair
- Restoration of damaged blade tips
- Replacement of C.P. blades and blade seals.



## VALVE REPAIR SOLUTIONS

Triton Diving Services Ltd. stock a large inventory of custom made blanks, and discharge plugs. Sea valves inevitably are giving most trouble when it is not possible to wait till the next dry-docking. It's therefore essential that sea valves can be opened whilst the vessel remains afloat. Sea chest blanks are fabricated in hours to configure the specific requirements.



In collaboration with Trident BV, Miami Diver and All Sea Enterprises, we are able to bring to provide you with a cost effective innovative underwater ship repair solution in no time anywhere in the world! Bringing together the resources and expertise of leading companies in underwater ship repair, we provide you with high class approved service in any location worldwide!

### Our services include:

#### 1. Propeller Straightening & Repair

- Straightening large bends
- Static & Hydrodynamic balancing
- Replacement of C.P. blades

#### 2. Stern Seal Replacement & Repair

- Lip Seals – dry repair and replacement of complete systems

#### 3. Permanent Shell Plating Repairs

- Dry weld permanent repair of shell plating and appendages
- Dry weld installation and replacement of hull apertures
- Wet weld temporary and permanent repairs

#### 4. Machinery Replacement & Repair

- Bow/Stern Thruster internal repairs & complete unit replacement



**SUBSEA SOLUTIONS**  
ALLIANCE



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