

NAVALTECH
MARINE TECHNICAL BUREAU



**ENSURING
SAFETY
IN TOUGH
ENVIRONMENTS**

www.navaltech.gr



Profile

NAVALTECH is a Marine Technical Bureau located in P. Faliro / Athens. We are dealing primarily with the Safety of seagoing ships internationally i.e. Lifeboats & Launching Appliances, Ultrasonic Thickness Measurements (U.T.M) on Hull Structures, Cargo Gear Load Testing, Life-saving Appliances and Fire-Fighting Equipment.

Our company offers our clients a wide breadth of knowledge and experience. The company was built on a total commitment to client satisfaction and its dedicated personnel service.

The founders of the company and its team consist of well-established professionals, Mechanical Engineers and Naval Architects, who possess in depth qualifications, experience and expertise in the Marine Industry with numerous repairs, surveys and inspections.

The Human factor plays an important role in conducting a project properly, precisely and efficiently. Thus, we make sure that our personnel are fully trained and qualified to accomplish your requirements.

Understanding Your Business

We realise that every project is different and therefore has unique requirements. Our Managers work closely with clients in order to develop the right solution to suit their needs.

Our goal is to exceed the expectations of every client by offering outstanding customer service, increased flexibility, and greater value, thus, optimizing system functionality and improving operation efficiency.

Services

Particularly, our company specialises in providing services **24/7 world-wide** for:

Lifeboats & Launching Appliances Services for annual or 5'yearly surveys (including repairs, maintenance & Spare parts)

Ultrasonic Thickness Measurements (UTM) on Hull structures

Steel Repair & Weight Estimation

Anchor Chain Measurements

Cargo Gear Load Testing with Dynamometers and/or Waterbags (1t - 100t)

Testing of all kind of ship's loose gears, i.e. hooks, shackles & swivels

Accommodation/Pilot Ladders & Gangways Load Testing

Mooring Winches Brake Hold Test

Life-saving Appliances & Fire-fighting equipment (FFE)

Fiberglass Reinforced Plastic (FRP) Repair Services

Inflatable Rescue boats' repairs (Hypalon & PVC)

However, we are utilising equipment of the latest technology in order to conduct our services with precision.



Whilst we are meeting all statutory and regulatory requirements in any given project, we are still remaining flexible enough to surpass our clients' demands.



DSB ENGINEERING CO., LTD.



Jiangsu Jiaoyan
Marine Equipment Co., Ltd.



ARM
MACHINERY & ENG., CO., LTD.



ADOMS



ORIENTAL
INSPECTION & SERVICE CO., LTD.



Vetyar Boats Pvi., Ltd.



WUXI HAI HONG
LIFEBOAT MAKING CO., LTD.

Lifeboats & Launching Appliances

Constant technical assistance 24/7 and immediate availability of skilled experts are only some of our strengths. We offer a full range of services:

Annual & 5'Yearly services of Lifeboats, Free- Fall Lifeboat, Rescue boats, Launching Appliances & Release Gears

Maintenance and repairs

Load Testing of Lifeboats & Davits

Information and training of customers and service partners

Sales Agents of Lifeboats & Launching Appliances

Fall Preventer Devices (FPDs)

Spare Parts

Certification

Our company is certified by all **IACS** members, Lifeboat Manufacturers and approved by Flag Administrations to carry out Annually & 5-yearly Inspections for Lifeboats & Launching Appliances and issue the certificates for good operation in compliance with **MSC.1/Circ. 1206**.



Cargo Gear Load Testing

NAVALTECH undertakes **Cargo Gear Dynamic Load Testing** of all kind of ship's Derricks and Cranes with our **certified Dynamometers or Waterbags**. We specialise in:

Inspection, load testing and certification of cranes and other load-bearing structures

Hire & Purchase of a wide range of certified **Seaflex** Waterbags (1t - 100t)

Support, repairing & maintenance of the waterbags by our **certified** service engineers

Testing of all kind of ship's loose gears, i.e. hooks, shackles & swivels

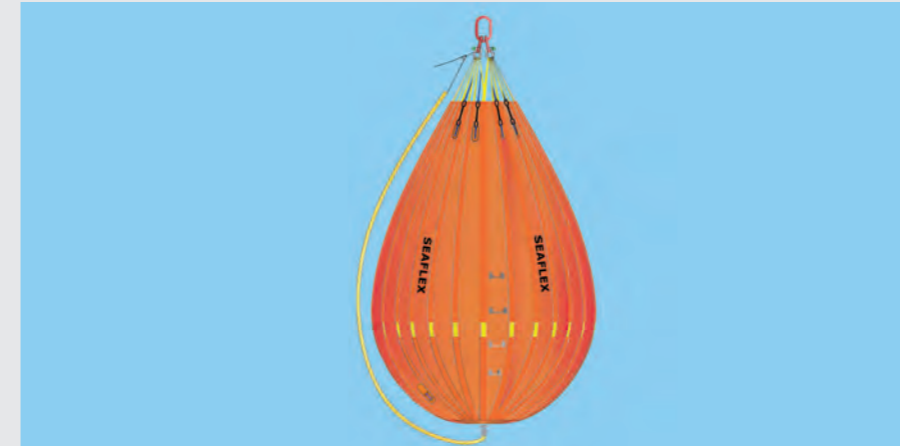
Thorough Examination of All Derricks, Cranes & Loose Gears complying with all relevant rules, **ILO** Convention and requirements of the **IACS** members

Issuance of relevant certificates of good operation & compliance

Our waterbags have been safely and efficiently assisting load testing operations of cranes and comes in a **range of capacities** from: **1t - 100t** to allow them to be used **singly** or in **clusters of up to 300t** from a **single hook**.

They come with the **highest levels of testing & certification** in the industry - as well as the highest levels of compliance with internationally recognised **IMCA** & **LEEA** guidelines, where applicable, and **ABS Product Design Assessment (PDA)** - the first and currently **the only WLBs in the industry to hold this level of certification**.

Also, via our **international network**, these waterbags are available for **load tests, hire & purchase** from over a dozen more locations around the world, to which we can provide access for our customers.



Type	Unit		Packed			Filled		
	Kg		L	W	H	Kg	Diameter	Height
1-WLB	1,000		0.50	0.35	0.25	22	1.60	1.90
2-WLB	2,000		0.75	0.40	0.25	33	1.80	2.50
3-WLB	3,000		0.80	0.35	0.30	42	1.80	2.70
5-WLB	5,000		0.90	0.50	0.35	55	2.10	3.70
5LH-WLB	5,000		0.90	0.50	0.35	58	2.20	3.10
10-WLB	10,000		1.10	0.50	0.40	85	2.30	4.80
12.5-WLB	12,000		1.20	1.00	0.40	120	2.70	5.00
15-WLB	15,000		1.20	1.00	0.40	145	2.70	5.40
20-WLB	20,000		1.20	1.00	0.55	160	3.20	5.50
25-WLB	25,000		1.20	1.10	0.65	225	4.00	6.10
35-WLB	35,000		1.20	1.10	0.80	295	4.15	6.60
50-WLB	50,000		2.10	1.20	0.80	416	4.20	8.00
100-WLB	100,000		3.05	1.55	1.10	880	5.60	10.00

The periodic tests & inspections are intending to ensure that the lifting appliances of vessels are ready and fit for purpose. Thus, we are using certified dynamometers and waterbags of advanced technology, so as to achieve reliable results.





Ultrasonic Thickness Measurements

NAVALTECH is approved by all **IACS** members to conduct **UTM** surveys.

Our Policy is to provide professional services in Ultrasonic Thickness Measurements of Hull Structures for our clients at all times globally.

The management is committed to our clientele and the Classification Societies:

- To comply with all relevant rules and requirements of the IACS members
- To meet the customer requirements as stipulated in the contracts for the execution of UTM surveys
- To comply with the quality system set by the company and Classification Societies
- To continuously improve the quality of services by regular training/ seminars of the personnel and by use of customers' Feedback forms
- To provide all the necessary resources and certified equipment
- To follow and update frequently the new requirements set by Classification Societies

Furthermore, our UTM team can assist you with:

- Calculation of steel repair and weight estimation prior to drydock
- Responsible marking all steel renewals of the vessel
- Cross-checking, on a daily basis, dimensions of cropped steel plates
- Reporting to superintendent on the progress of repairs
- Supervising Fit up & Final inspection of hull structure
- Mapping and Recording of staging, calculated in Cubic Meters
- Final cross-checking of shipyard's work done list
- Performing Anchor Chain Measurements

NAVALTECH Level II Operators are using the latest Technology of Ultrasonic Equipment dual echo machinery made by the best companies. The equipment is regularly serviced, tested and accompanied with the calibration certificates, therefore, ensuring the quality of our services.





Inflatable Rescue boats repairs (Hypalon & PVC)

We offer **repair services** for inflatable boats globally and sound advice to help you with the care, supply & repair of your inflatable boat, Tender or RIB.

Thus, we are using **professional products** and industry standard inflatable boat **quality fabrics** PVC and Hypalon rubber fabric.

There are two main types of material used in the manufacture of inflatable boat tubes, Hypalon and PVC.

Are your Tubes PVC or Hypalon?

If you are looking to repair your tubes with patches or to replace any valves on your inflatable or rigid hull inflatable boat, it's essential to know what fabric your inflatable sponsons are made from, as it's very important to use the correct adhesive for the material.

There is an extensive range of **quality products** such as specialist adhesives, flexible paints, boat care products, moulded rubber parts, fabrics and a comprehensive range of inflatable boat accessories.

Support

When we repair your boat, our job isn't finished - it's just beginning. We stay in touch to ensure that your craft remains operational.

It's important to us, because we want you to be a happy customer for life.

In addition, Navaltech is available to clean, repair and update your boat to add years of service to your older models and potentially save you money.

Our goal is to provide you with the right equipment and material to get the job done!



Fiberglass Reinforced Plastic (FRP) Repair Services

Regardless of the amount of care taken, some fiberglass parts will have to be repaired due to operator's error or impacts during handling, storage, or use.

However, either onboard your vessel or at our warehouse, **experienced specialists undertake the repairing of damaged FRP lifeboats**, following our repair guides & procedures by using quality products.

We can provide the following services to all kinds of FRP boats (Free Fall boats/ Rescue boats / Conventional boats) and meet your requirements:

- Repair & maintenance of FRP boats
- FRP lamination and build- up
- Gelcoat repair and rebuffering
- Anti Fouling and Painting
- Engine and overhauling
- Electrical and Mechanical Repairs
- Lab test of FRP laminate panels

At **NAVALTECH**, we take pride in the quality of our repair work, the materials used and the procedures followed.

We work closely with our clients to meet their critical requirements with quick response times and construction technology.





Life-Saving & Fire Fighting Services

We offer a complete package of services and peak technology products covering all aspects of **Lifesaving** and **Fire-Fighting Equipment**.

We provide:

The supply of lifesaving appliances & fire fighting equipment;

The services with immediate availability of Safety Engineers globally, such as:

Inflatable Liferafts

Fire Extinguishers

Air breathing apparatus

Emergency Escape Breathing devices (EEBDS)

Immersion Suits

Life jackets & Lifebuoys

First aid kits

Smoke signals & Hand Flares

Parachute Signal

Fire-Fighting Equipment

Fireman's outfit

Medical oxygen

Gas Meter Devices

Hydrostatic release Units

Inclined cradle for life rafts

Understanding the essential role of safety in modern shipping, respecting and taking into account all relevant rules and relying on quality management has helped us forge our reputation and maintain a sustainable presence in the maritime safety sector.





Gangways, Accommodation & Pilot Ladders

NAVALTECH can carry out inspection & load testing of Gangways, Accommodation & Pilot Ladders as per MSC.1/Circ.1331.

Accidental falls from gangways can cause fatal or incapacitating injuries, but properly rigged and maintained guarding can prevent these.

We conduct **inspections, loading tests** and **certification** with all due care to every **embarkation/disembarkation means and their associate winches, wires and fittings**, in accordance with **SOLAS** regulations and manufacturer's instructions in order to ensure personnel's safety.

SOLAS Regulations I/7 and I/8 require **Gangways** and **Accommodation Ladders** to be examined and tested on a **yearly and 5'yearly basis**, whereas at every five-yearly survey the Ladders should be operationally tested with their specified maximum operational load.



Network & Partnerships

Due to our **long-lasting relationships** and strong **network** with **top professionals**, affiliated companies, other major Marine Technical Bureaus in Greece and Worldwide, Manufacturers, Suppliers, Shipping Companies and broad knowledge of the shipping industry **ensure** additionally that our clients shall have the benefit to experience **high quality services** at the most **competitive rates** internationally.

Mission

Our mission is to promote the security of life, property and the natural environment by using professionalism, the latest technological equipment and expertise.



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