

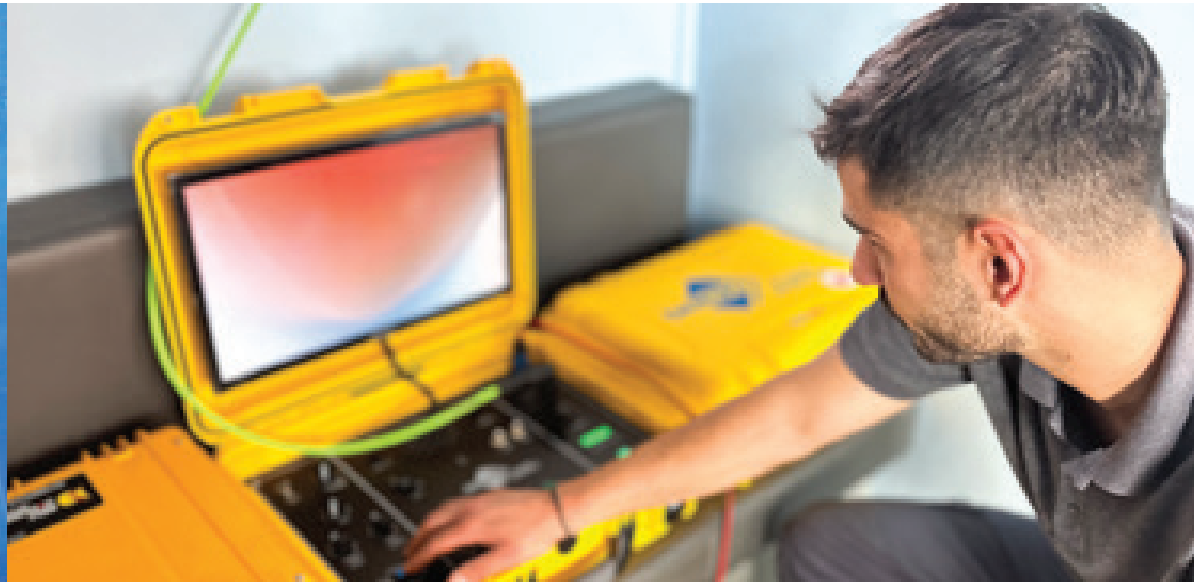
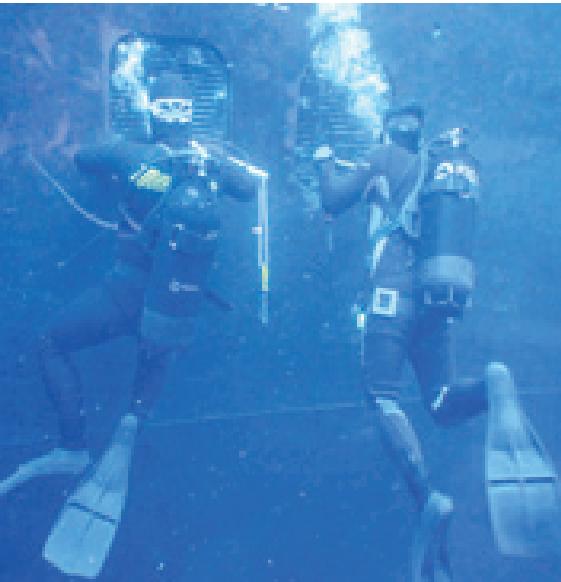
# BEVALDIA

Global underwater ship services

COMPANY PROFILE

**BEVALDIA** is your best partner for optimizing the operating performance of your vessels and fuel efficiency.

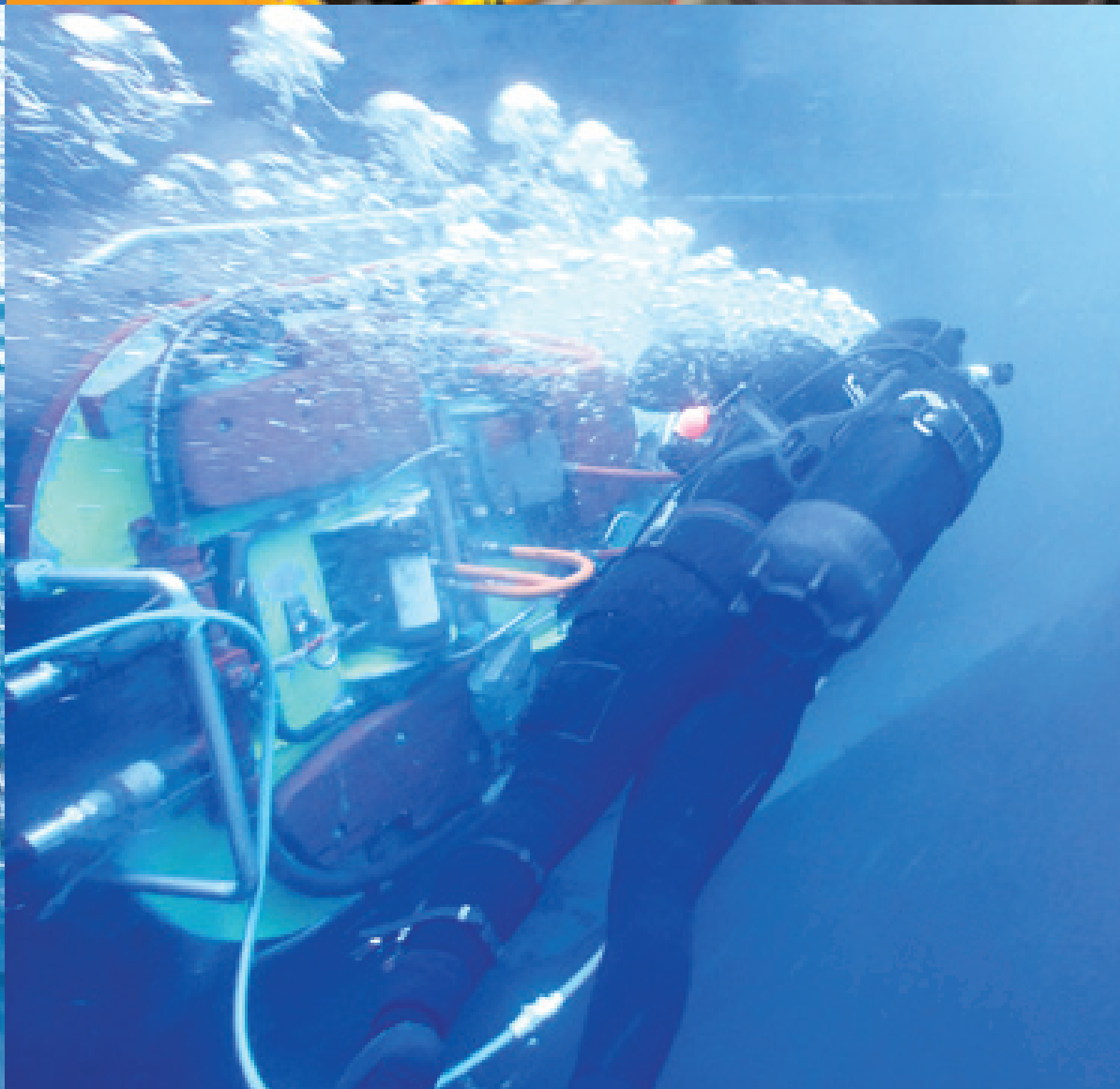
## BEVALDIA IN NUMBERS:



EXPERIENCE

# 47 years

in the underwater vessel services



WE OPERATE IN

# 29 countries

where we are active with fully equipped and manned stations, with a license from the local port authorities

# 18 certifications

by all IACS and ISO 9001:2015, 14001:2015, 45001:2018, and 37001:2016

# 630 loyal customers

# WELCOME TO BEVALDIA

The company **BEVALDIA** is active for 47 years in underwater hull cleaning, propeller polishing, and in-water inspections recognized by all IACS. It disposes underwater service stations in 29 countries fully manned and equipped with a license per local Port Authorities. All its diving stations are certified by ISO: 9001:2015, 14001:2015, 45001:2018, and 37001:2016 as well as by all IACS.

**BEVALDIA** works with the major ship owners and charterers while it can ensure significant improvement of the vessels' performance and greatly decrease the vessels' fuel consumption, since the services that we provide release the vessel from fouling and improve its speed.

The equipment that we dispose of in all our diving stations are state-of-the-art technology, high performance, and always adjusted according to the local protocols. Each project is always delivered within the scheduled time frame.

The company **BEVALDIA** in addition to the underwater services is in the position to provide agency services in Greece and Togo.

We would be happy to receive your inquiries at: [info@bevaldia.com](mailto:info@bevaldia.com)

# OUR SERVICES

**BEVALDIA** provides a particularly high level of services, which it can guarantee since it provides continuous quality control of all the services, that it provides. At the same time, it employs exclusively diving teams with experience and specialization in each field of underwater services, as well as divers who have local certifications in the areas where it is active.

Our Services:

### UW MAINTENANCE

- Hull Cleaning
- Propeller Polishing
- Plugging Services
- Anodes Replacement
- Rope Cutter Replacement
- Sea chests cleaning
- Bow thrusters Repair | Maintenance
- Anchor Chain Search | Recovery
- Removal of entanglements

### UW REPAIR

- Rudder Repair
- Propeller Repair
- Cavitated Propeller Repair
- Ship Cutting Services
- Waterproofing Services
- Welding
- Securing of Sea Chests
- Speed Log | echo sounder replacement

### UW INSPECTION

- In-water Survey – Inspection
- Photo Inspection
- CCTV Inspection
- Inspection for Grounding
- Drydock Extension Inspection
- Survey of Marine Structures
- Hull Coating Inspection
- Clearance Measurements
- Ultrasonic Measurements
- Consulting

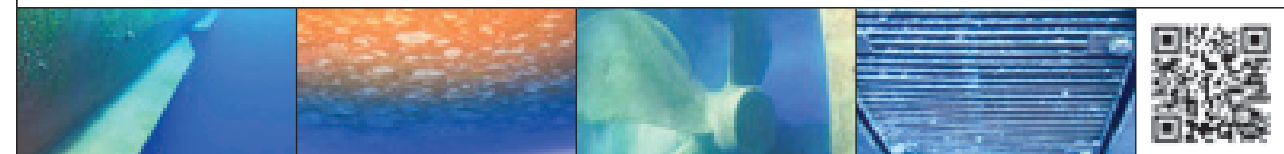
Following are some of our customers' case studies in the last period.

## CASE STUDIES

Herewith following case studies which describe some of the work we have performed. For more case studies you can scan on the right per geographical area. The following in no way can capture the experience of the company **BEVALDIA** over all these years but only constitutes a small imprint.

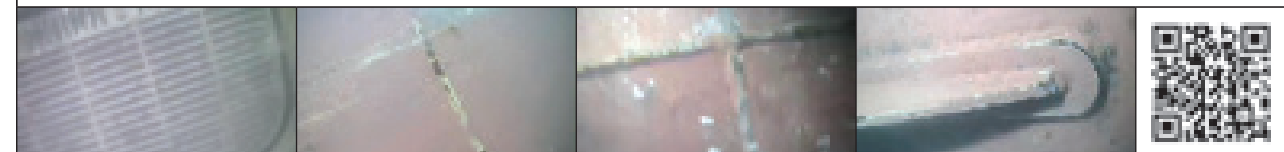
#### M A L T A : Underwater CCTV video inspection with the presence of LR class surveyor.

Vertical sides, curves and flat bottom were found with no damages or indentations. Hull paint coating was found in good condition. 8 sea chests were found in position with no missing bolts, Four bladed propeller and the rudder were found in good condition without cracks etc.

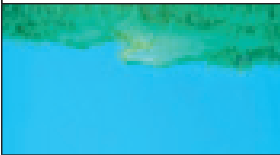
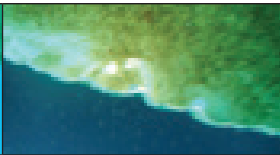

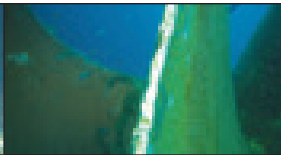

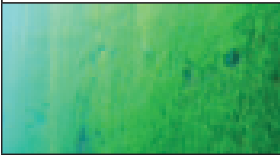
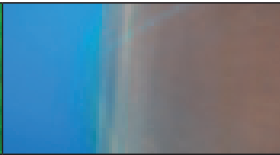

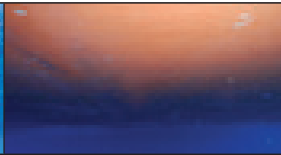

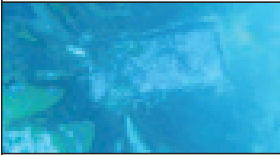
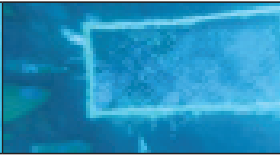
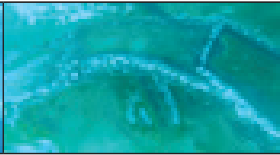
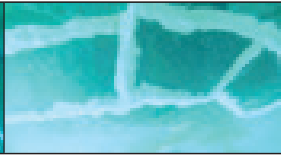

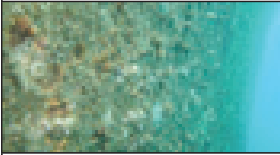






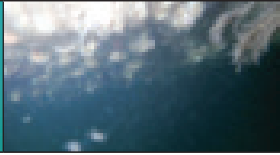


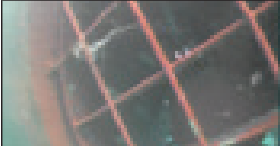


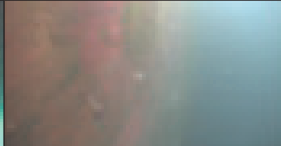



#### S P A I N : Pre-purchase survey in the presence of NK class surveyor.

The hull condition of the vessel was found to be in good condition without any signs of grounding. 5 split-bilge keels were intact. Welding joints and seams were in good condition. Propeller was found without damages and missing pieces. Rudder was found in good condition. Sea chest gratings were all in position.

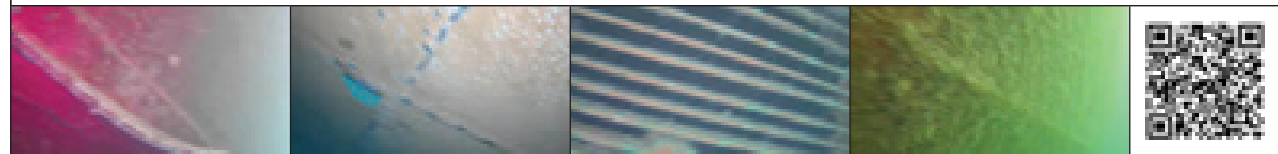


<b>INDONESIA : Underwater full hull cleaning and propeller polishing.</b>				
The vessels hull was found approx. 90-100% fouled with marine growth seagrass and light barnacles and was cleaned using brush kart system. Propeller was found approx. 80% fouled with seagrass and was polished using diamond disc pads. Sea chests and rudder were cleaned using monobrush system.				
				
<b>T O G O : Dry ship repairs: Permanent crack welding repair and waterproofing.</b>				
Dry environment was created using a Cofferdam. In class presence: Cropping of shell plating and installation of new plate with full penetration welding on the interior area. Positive NDT testing. Welding seams on the hull were covered with plastic steel in order to protect the welding from corrosion.				
				
<b>S I N G A P O R E : Underwater speed-log installation and renewal</b>				
The diving team identified the area. The old speed log transducer was removed. The new speed log transducer was installed in its place and secured in position. No abnormalities were observed.				
				
<b>G R E E C E : Underwater repairs by welding due to grounding</b>				
Due to grounding at touristic area, cargo vessel was found with excessive damage on the fore peak, with a 3m rip and emergency anchored. Waterproofing was carried out by welding double plates to enable the vessel to safely reach dry dock. The repair was approved by the port authorities and the vessel's class.				
				
<b>G R E E C E : Underwater hull cleaning using nylon brushes appropriate for silicon coating</b>				
Vertical sides, curves and flat bottom were found fouled and were cleaned using soft nylon brushes as to not damage the hull paint coating. 2 Propellers were polished using 3M diamond disc pads to Rupert scale A. Sea chests and rudder were cleaned using monobrush system and handheld brushes.				
				
<b>T U R K E Y : Underwater photo inspection of the vessel's fouling condition</b>				
Flat bottom, vertical sides, curves and propeller were found in good condition. No missing pieces cavitation or cracks were observed. Bilge keels and rudder were found in good condition. No fish nets or leakage of oil was observed on the tail shaft. Rope guard was found in position.				
				

<b>T O G O : Underwater propeller grinding and repairs</b>				
On the tips of all the blades, deformations were observed. On propeller blade 4, two cracks were observed; 2 cement covers were missing. The 2 cracks were grinded and repaired to prevent their expansion. Deformations which were observed on all blades were grinded to smooth them out.				
				
<b>C Y P R U S : Underwater full hull cleaning and propeller polishing</b>				
Vertical sides, curves and flat bottom were found 80%-90% fouled with marine growth and were cleaned using hydraulic brush kart system. Five bladed propeller was found 100% fouled and was polished using diamond disc pads. Sea chests and rudder were cleaned using monobrush system.				
				
<b>E G Y P T : Dual BV Class Survey: Preliminary for damages &amp; Underwater Repairs</b>				
Flat Bottom found with indentation with 6 cracks between Frames No. 76 up to No. 97 Cracks No 1 – No 5 were welded and all welding seams were covered with underwater epoxy resin (UW plastic steel). stoppers were opened on the beginning and ending of crack.				
				
<b>I V O R Y C O A S T : Underwater full hull cleaning and propeller polishing</b>				
Vertical sides were found 60% fouled with seagrass and flat bottom was 80%-90% fouled with marine growth and were cleaned using hydraulic brush kart system. Five bladed propeller was polished using diamond disc pads. Sea chests and rudder were cleaned using monobrush system.				
				
<b>G U I N E A : Underwater full hull cleaning and propeller polishing</b>				
Vessel's whole submerged hull (vertical sides, flat bottom, propeller, sea chests and rudder) were found 100% fouled with barnacles and marine growth and were cleaned. No entanglements or leakage of oil was observed on the tail-shaft.				
				
<b>G H A N A : CCTV video inspection for class purposes</b>				
Vessel's whole submerged hull (vertical sides, flat bottom, propeller, sea chests and rudder) were found 100% fouled with barnacles and marine growth and were cleaned. No entanglements or leakage of oil was observed on the tail-shaft.				
				

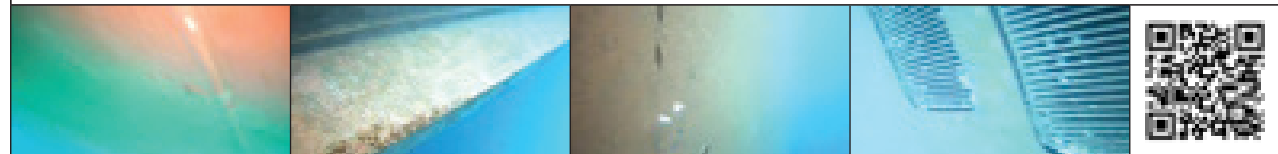
**ALBANIA : In-water survey for class BV of whole submerged hull with CCTV**

Vertical sides, flat bottom and curves were found in good condition except 1 part on the stbd area which was found with 1 welded doubler. Propeller was in good condition. No pitting was observed on the rudder. Sea chest gratings were found secured in position.



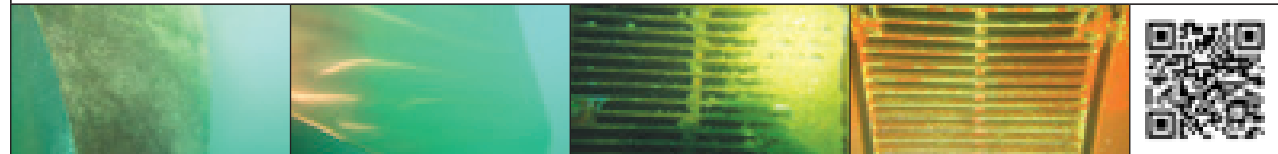
**BENIN : CCTV video inspection of vessel for class purposes**

Vertical sides, curves and flat bottom were found without damages or indentations. Hull paint coating was found in good condition. sea chests were found in position with no missing bolts, Four bladed propeller and the rudder were found in good condition without cracks etc...



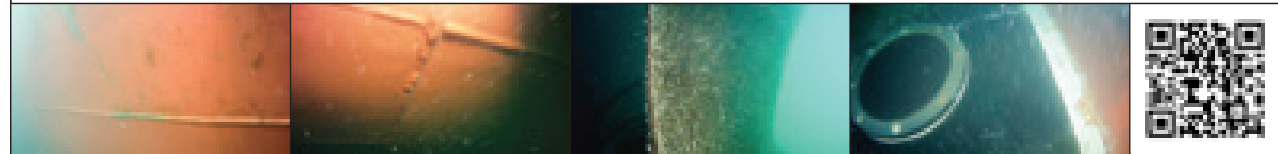
**PANAMA : Underwater cleaning of sea chest gratings & propeller polishing**

The underwater polishing of the propeller (which was found fouled with barnacles & marine growth) was performed using diamond disc pads. The sea chest gratings were found 40% fouled with barnacles and were cleaned using handheld brushes and monobrush system.



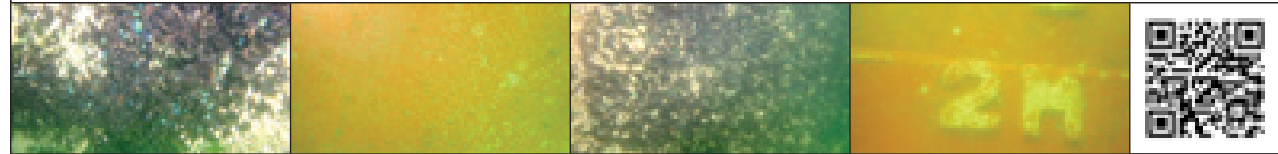
**MEXICO : In-water survey for class ABS of whole submerged hull and appurtenances**

Flat bottom, vertical sides, propeller, rudder and sea chests were found in good condition, shell plating, welded seams and butts without deformations or signs of pitting were observed. Split type bilge keels found in good condition. No abnormalities observed on the weld joints.



**CHINA : Underwater full hull cleaning and propeller polishing**

Vertical Sides curves and flat bottom were found 100% fouled with barnacles & mussels and were cleaned using brush kart system. Propeller found 90% fouled with barnacles and was polished using diamond disc pads. Sea chests and rudder were found 80-100% fouled with barnacles and were cleaned.



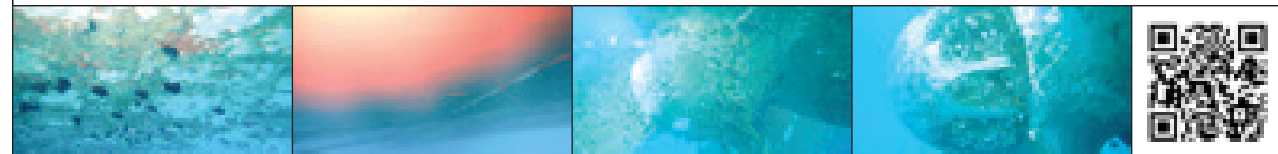
**S. KOREA : Video inspection for class purposes of whole submerged hull**

Flat bottom, vertical sides, propeller, rudder and sea chests were found in good condition, shell plating, welded seams without deformations or signs of pitting were observed. No leakage of oil on the tail shaft. Ropeguard was found in position



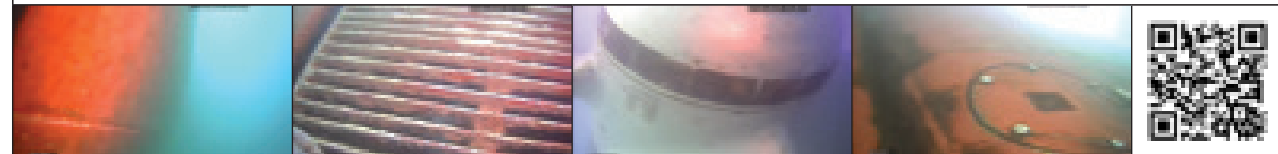
**T O G O : Underwater full hull cleaning and propeller polishing**

Vertical Sides, curves and flat bottom were found 90% heavily fouled with thick seagrass barnacles and were cleaned using brush kart system. Propeller found 100% fouled with salt and seagrass and was polished using diamond disc pads. Sea chests and rudder were cleaned using monobrush.



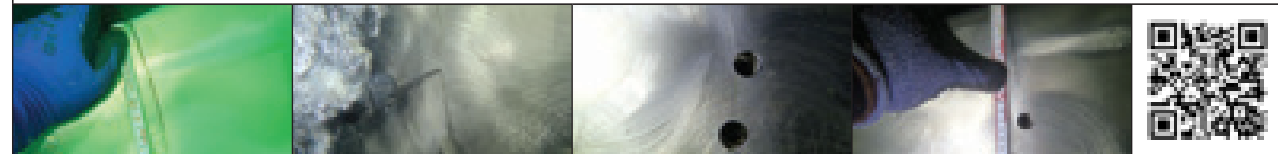
**ITALY : In water class survey**

Vertical sides, curves and flat bottom were found in good condition without any damages. Four bladed propeller was found with no irregularities and in good condition. 5 sea chests were found in good condition and in position. Rudder and bow thruster were found without any damages.



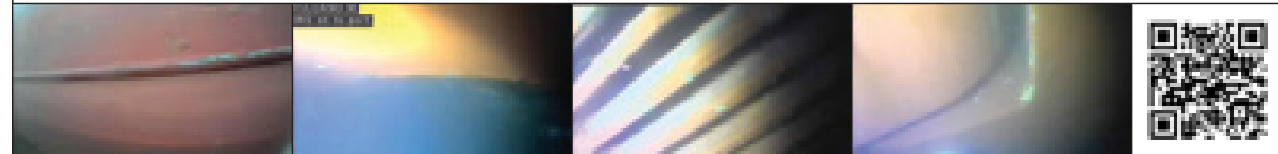
**G R E E C E : Underwater propeller repairs**

During the vessel's underwater inspection, a 190mm crack was discovered along the pressure side of blade "a" on the four-blade pitch propeller which led the divers to decide on the spot to strategically drill two stoppers to prevent further expansion.



**N E T H E R L A N D S : CCTV video inspection for class RINA**

Vertical sides, curves and flat bottom were found in good condition without any damages. Four bladed propeller was found with no irregularities and in good condition. Sea chests and bow thruster were found in good condition and in position. Rudder was found in good condition without corrosion.



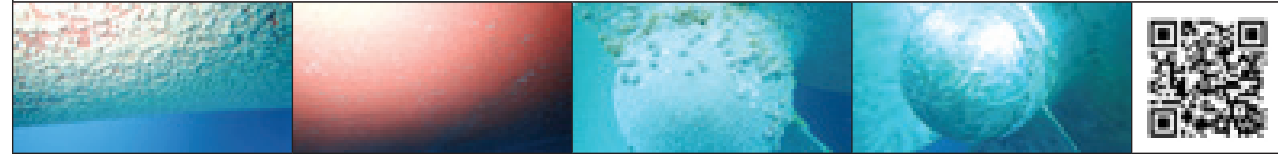
**E S T O N I A : Underwater photo inspection, propeller polishing & sea chests cleaning**

Vessel's 4 bladed fixed propeller was found fouled with sea grass, slime and salt and was polished using 3M diamond disc pads. Sea chest gratings were found 100% fouled and were cleaned. Vertical sides, flat bottom, curves and rudder were found without abnormalities during the U/W inspection.



**T O G O : Underwater full hull cleaning and propeller polishing**

Vertical sides, curves and flat bottom were found 100% fouled with barnacles and were cleaned using brush kart system. Sea chests were found 80% fouled with barnacles and were cleaned. Propeller was found fully covered with barnacles and was polished used 3M Diamond disc pads.



We serve at the ports:

## EUROPE

**Greece:** Piraeus, Chios, Thessaloniki, Kavala, Kalamata, Alexandroupoli, Neapoli – Vatika, Crete (Kali limenes / Kaloi limenes – Chania) Corfu, Lavrio, Agioi Theodori, Eleusis, Chalkida, Corinth

**Turkey:** Istanbul, Canakkale, Iskenderun, Alanya

**Cyprus:** Limassol, Larnaca, Vasiliko

**Spain:** Palma de Mallorca, Las Palmas, Algeciras, Canary Islands, Valencia, Castellon

**Malta**

**Estonia:** Tallinn

**Belgium:** Ghent, Antwerp, Zeebrugge

**Netherlands:** Delfzijl, Eemshaven, Amsterdam, Den Helder, IJmuiden, Flushing, Terneuzen

**Denmark:** Skagen, Kalundborg

**Italy:** Genoa, Livorno, Cagliari, Gioia Tauro, Ravenna, Venice, Salerno, Naples

**Albania:** Detar Sarande

## AFRICA

**Togo:** Lomé

**Egypt:** Suez, Port Said, El Dekheila, Damietta

**Tunisia:** Tunis, Sfax

**Ivory Coast:** Abidjan

**Nigeria:** Lagos, Port Harcourt, Tin-can, Warri, Calabar

**Cameroon:** Douala

**Benin:** Cotonou

**Guinea:** Kamsar, Conakry

**Ghana:** Tema, Takoradi

**Senegal:** Dakar

## ASIA

**China:** Fangchenggang, Qinzhou, Zhuhai, Nansha, Shekou, Yantian, Zhanjiang, Yangjiang, Xiamen, Tianjin, Qingdao, Rizhao, Hong Kong, Lianyungang

**South Korea:** Yeosu

**Singapore:** Aepa

**Indonesia:** Balikpapan, Bunati, Taboneo, Tarjun, Tuban, Anyer, Bayah, Cigading, Cilacap, Ciwandan, Gresik, Surabaya, Karang Jamuang, Merak, Probolinggo, Situbondo, Semarang, Tanjung Priok

**Malaysia:** Klang, Matadi

**Taiwan:** An-Ping, Hualien, Kaohsiung, Keelung

## AMERICA

**Mexico:** Lazaro Cardenas, Manzanillo, Punta, Tuxpan

**Panama:** Balboa

## SERVICE STATIONS



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# BEVALDIA

Global underwater ship services



## Headquarters



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