

LEDRA ENA SHIPPING



"Our Mission is to provide high-quality services to our valuable clients, accurately and consistently."

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COMPANY PROFILE



LEDRA ENA SERVICES / STS SERVICES

SHIPWRECKS – ANTIPOLLUTION

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WHY LEDRA ENA ?



Company profile Ledra Ena

Who we are

- Highly reputable shipping company specialized in offering a range of shipping services including STS operations support.
- Operates on a 24-hour basis, 365 days a year.
- Approved fleet by local authorities to operate without restrictions in the Cyprus territorial waters as well as beyond them.
- Highly trained and experienced staff.
- ISO 9001 / 14001:2015 Approved

Scope of services

- Towage – Salvage - Shipwrecks removal
- Ship to Ship Transfer Operations (STS operations)
- Antipollution support
- Harbour / Marina Constructions
- Provisions, Water Supply, Ship stores spare Parts, Tank discharge
- Personnel transfer & Crew changes
- Underwater Inspections / surveys / maintenance



BASES

- As of 2015 Ledra Ena Shipping CY LTD & Ledra Ena shipping Malta LTD joined forces in order to provide Maritime a bundle of first class services.
- With offices in **Greece, Cyprus & Malta**, both companies operating as ONE can assure high quality services accurately and consistently.
- Official Launch period: January 2016





LEDRA ENA SHIPPING COMPANY

LEDRA ENA COMPANY PROVIDES
A MULTIFARIOUS RANGE OF SHIPPING SERVICES

- Towage
- Salvage
- Antipollution
- Shipwrecks Removal
- Harbour/ Marina Construction
- Provisions
- Lube Oil Transport in drums / bulk
- Water Supply (approved and certified)
- Ship Stores





- Ship Spare Parts
- Tank discharge
- Port services
- Garbage Disposal
- Ship to Ship Transfer Operations
Support (STS operations)
- Underwater Inspection & repairs
- Personnel transfer & Crew changes

OFFSHORE SERVICES



TOWING



LEDRA ENA STS SERVICES

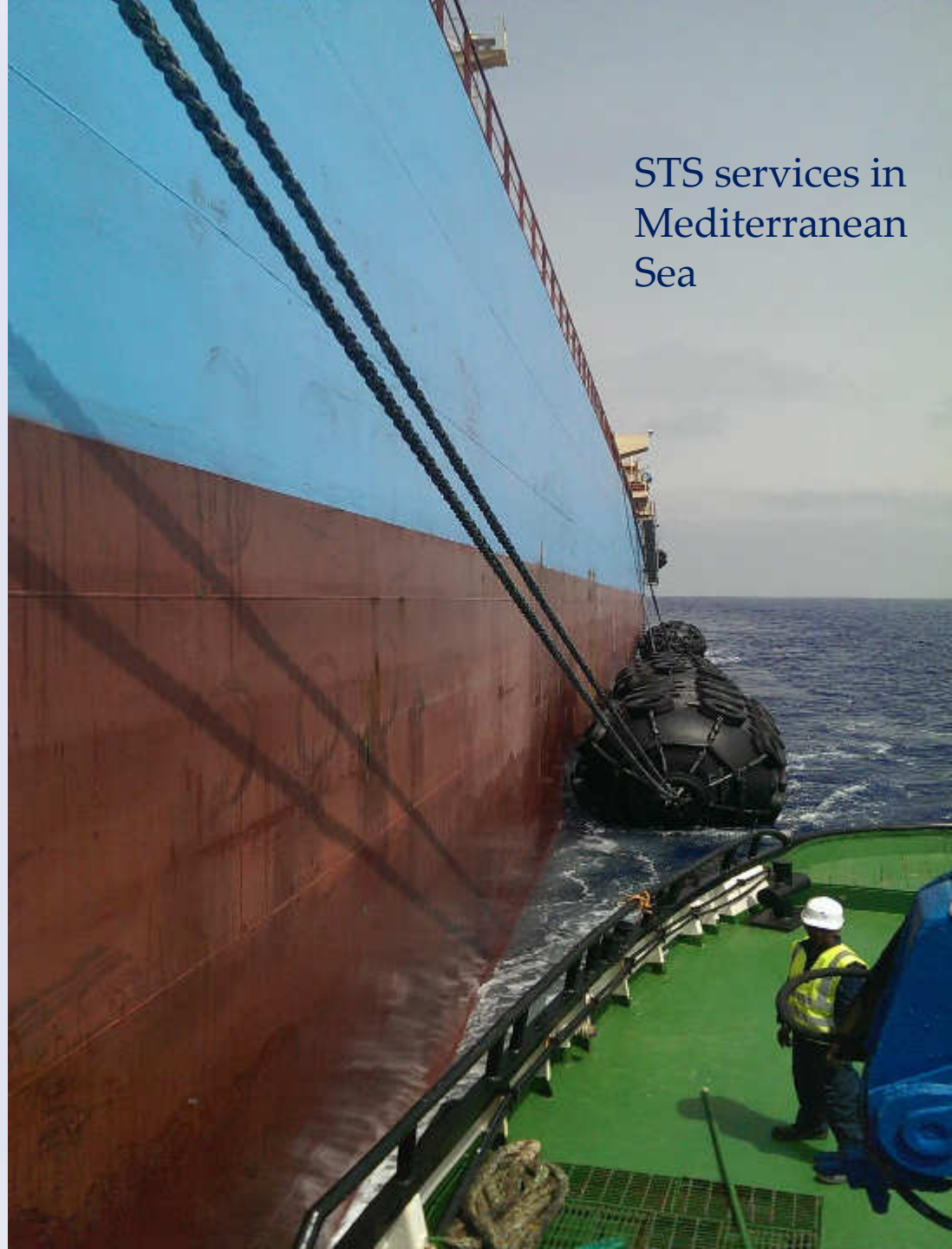
(STS equipment and local mooring masters)

LEDRA ENA acts as an agent and subagent for major oil companies and Traders for the majority of the STS operations taking place in Cyprus.

Services include:

- STS equipment & supervision
- Cargo Inspection
- Cargo Documentation Services
- Handling and delivery of cargo additives

STS services in
Mediterranean
Sea



STORAGE – MAINTENANCE OF STS EQUIPMENT



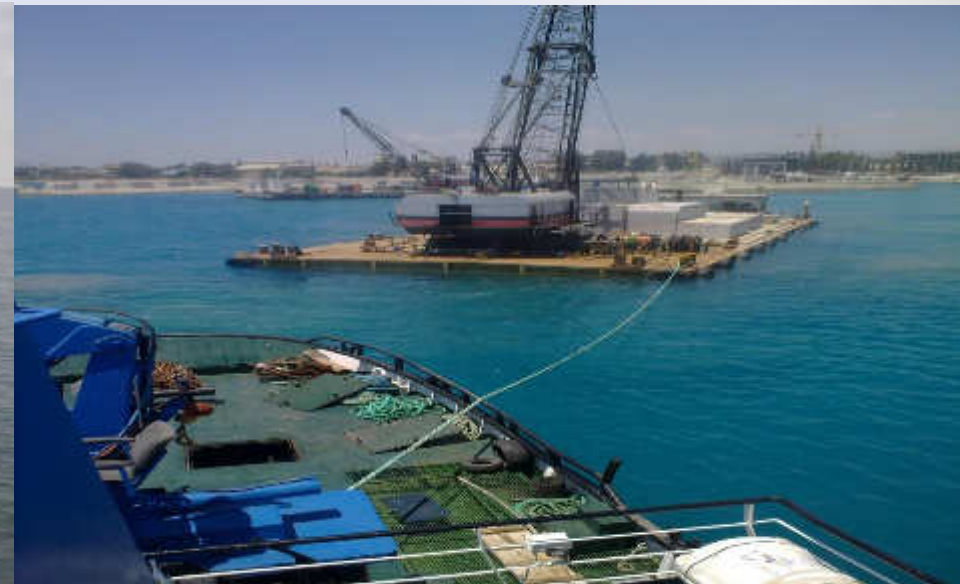
STANDBY – RESCUE SERVICES



OFFSHORE SUPPLIES



SERVICES IN HARBOUR CONSTRUCTIONS



SHIPWRECKS – SALVAGE



- SAFE BUNKERS / OIL TRANSFER
- OIL SPILL COLLECTION / CONTAINMENT
- HULL SURVEY / REPAIRS
- ENVIRONMENTAL SERVICES

ANTI POLLUTION SUPPORT

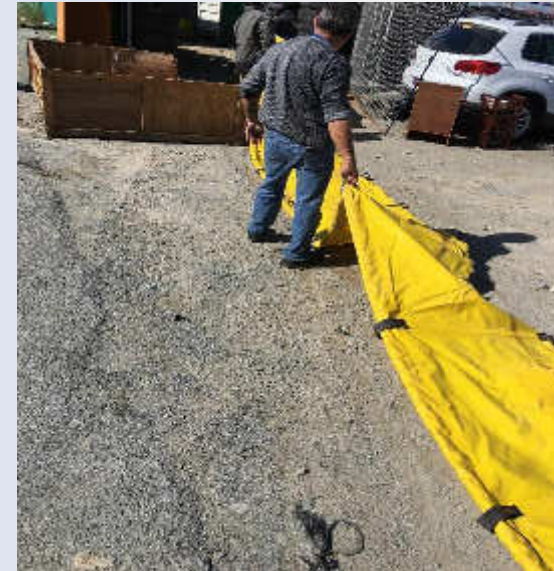
DIVING SUPPORT / MAINTENANCE / INSPECTION

BOUYS – PIPELINE SURVEY



Antipollution equipment

SORBENT BOOMS - OIL SKIMMERS - FENCE FLOAT BOOMS



LEDRA ENA SHIPPING - UNDERWATER SERVICES

Our Diving Team has been approved by the following Classification Societies:

- DNV GL Approval of Service Suppliers
- RINA Approval of Service Suppliers
- BUREAU VERITAS Agreement for In-Water Surveys
- Class NK In-Water Survey Certification
- Lloyd's Register Approval of Service Suppliers
- ABS In-Water Survey Certification
- Greek Government Certification
- Cyprus Government Certification

"Our Mission is to provide accurate high-quality underwater services to our valuable clients, and at the same time being environmentally friendly."

Scope of services

- In-water Survey
- Underwater hull cleaning
- Propeller polishing
- Ship repairs – Pipe lines

Our Hull Cleaning Container



➤ 20' High Cube Container (Hull Cleaning edition)

Classification societies approvals



In-water survey equipment

- CCTVs
- Underwater cameras
- Filler gauges etc



R.O.V.

(Remotely operated underwater vehicle)



Description:

High resolution Camera

Lighting (LED)

Control console 15inch

Controls (for all kind of movements, lighting etc)

Instruments & sensors

Propulsion (horizontal, vertical)

Dive Depth: up to 400m



R.O.V. Facilities:

Underwater inspections

Pipeline Survey

Submarine cable survey

Video recording systems

Archaeological investigations

Salvage research

Potable water tank inspection

Ballast tank inspection

Port security

Wreck diving

Sonar research

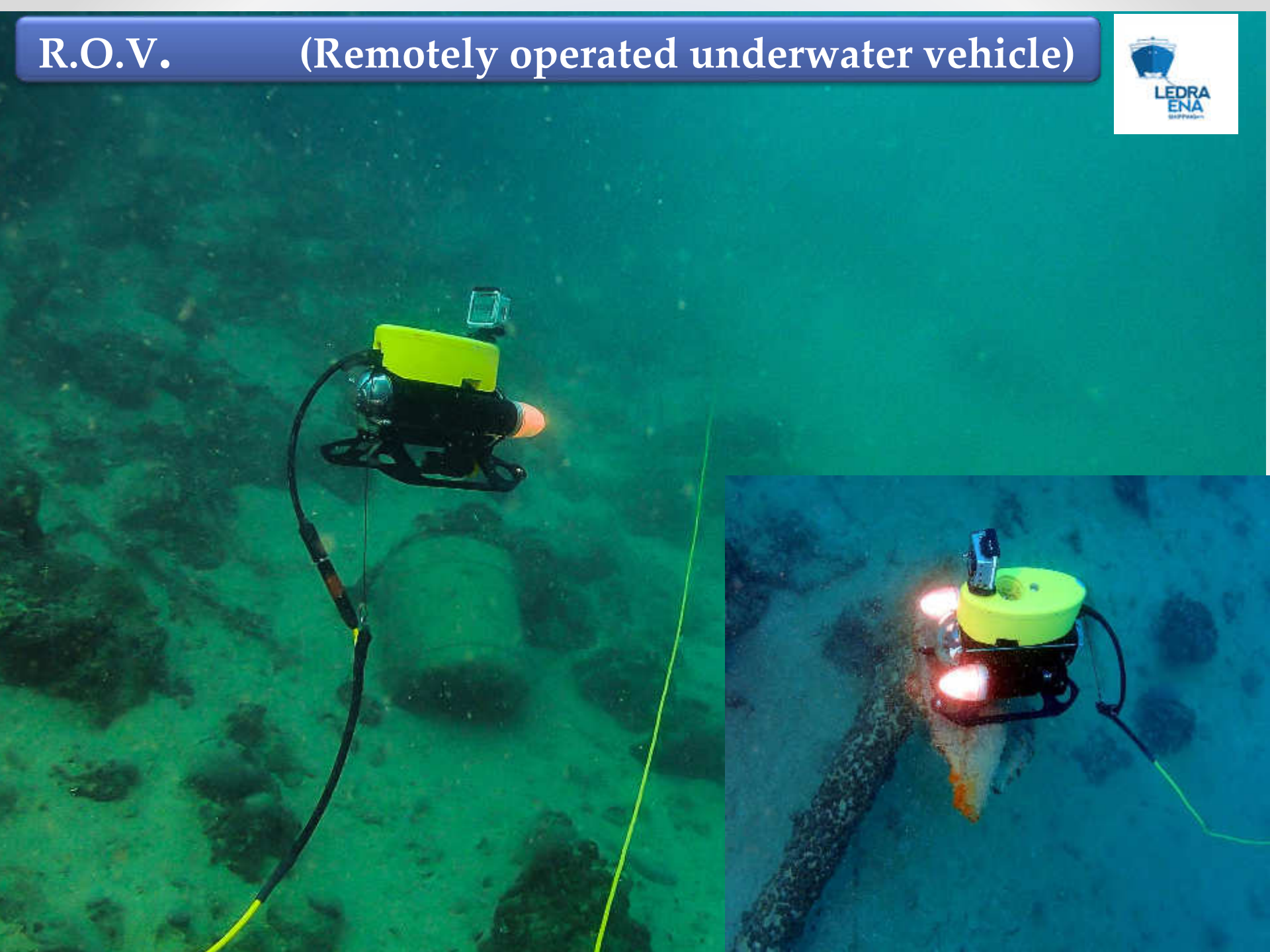
Underwater ship hull survey

Underwater diver detection and Classification

Energy infrastructure Surveys (i.e. oil platforms, nuclear power plants)

R.O.V.

(Remotely operated underwater vehicle)



Hull cleaning equipment



- Brush Kart systems
- Single brush units
- Hand held scrapers
- Hand held abrasive pads
- Rubert scale comparator



Brush Materials



Brush Materials:

- Silicon
 - Nylon
- } remove slime, algae
- Polypropylene
 - Polyester (soft, hard)
- } remove light to medium fouling
- Wire (steel or stainless)
- } remove hard fouling

Equipment



- Surface & underwater welding
- Underwater cutting
- Waterproofing

Hull Cleaning depending on paint type



Antifouling Paints

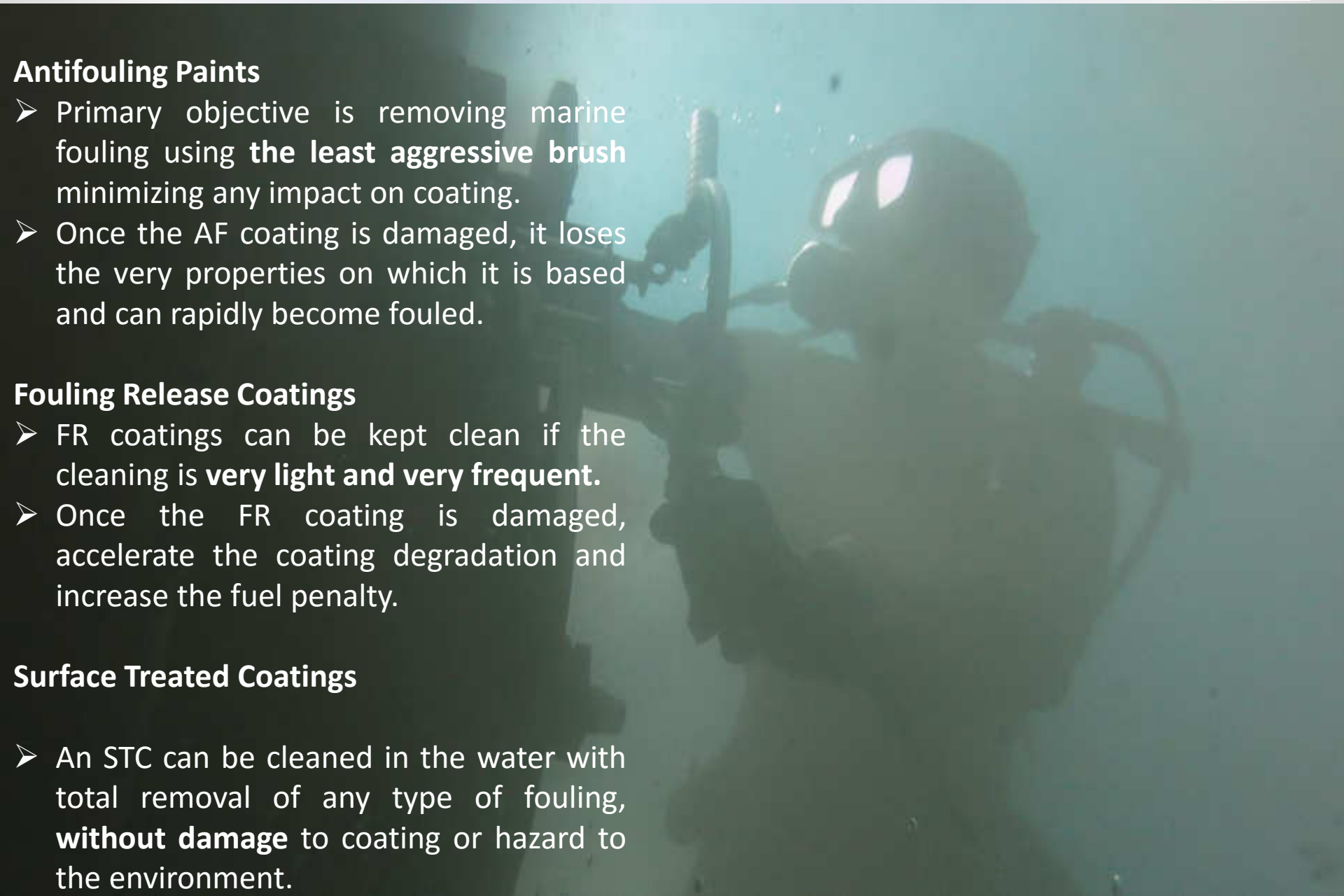
- Primary objective is removing marine fouling using **the least aggressive brush** minimizing any impact on coating.
- Once the AF coating is damaged, it loses the very properties on which it is based and can rapidly become fouled.

Fouling Release Coatings

- FR coatings can be kept clean if the cleaning is **very light and very frequent**.
- Once the FR coating is damaged, accelerate the coating degradation and increase the fuel penalty.

Surface Treated Coatings

- An STC can be cleaned in the water with total removal of any type of fouling, **without damage** to coating or hazard to the environment.



Deliverables of the services


Services Confirmation Form

Photos and/or Videos

Service Report

Drawings

Customer Feedback



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CLIENT COPY

LEDRA ENA SHIPPING UNDERWATER SERVICES

Service report

Vessel :
Scope of Services : **Underwater Hull Cleaning**
Date :
Place : **Limassol ,cyprus**
Ref. No :

Certified welders (Class A) from International Institute of Welding (IIW)
& European Federation for Welding (EFW)

Why choose Ledra Ena?



	Ledra Ena	Market
Underwater Inspection	120-point inspection	Detailed Inspection?
Hull cleaning	Different cleaning methods (depending on coating and marine fouling type and degree)	Remove Fouling at ANY COST?
Propeller Polishing	Rubert Scale A (measurable with comparator)	Unconfirmed Rubert Scale A
Ship Repairs	Certified from Greek Government, IIW & EWF	Licenses & Certifications?
Pricing	Fair Prices	Low Prices BUT INDIRECT COST (damage in antifouling coating, propeller roughness etc)

A comprehensive hull cleaning program can maximize Dry-dock intervals

SAFETY AND LIABILITY

- Our company is certified by ISO 9001:2015 /14001 and we are obliged to work under these standards.
- We always strive to continually improve the quality of our services to achieve a high level of satisfaction for all parties involved at all times in accordance with our Quality Policy Statement and Safety Management System.



SAFETY AND LIABILITY

- **Ledra Ena shipping company** recognizes the importance of establishing a safety and environmental protection policy. We are committed to ensuring that all the ships we manage operate safely and at the highest possible standards.

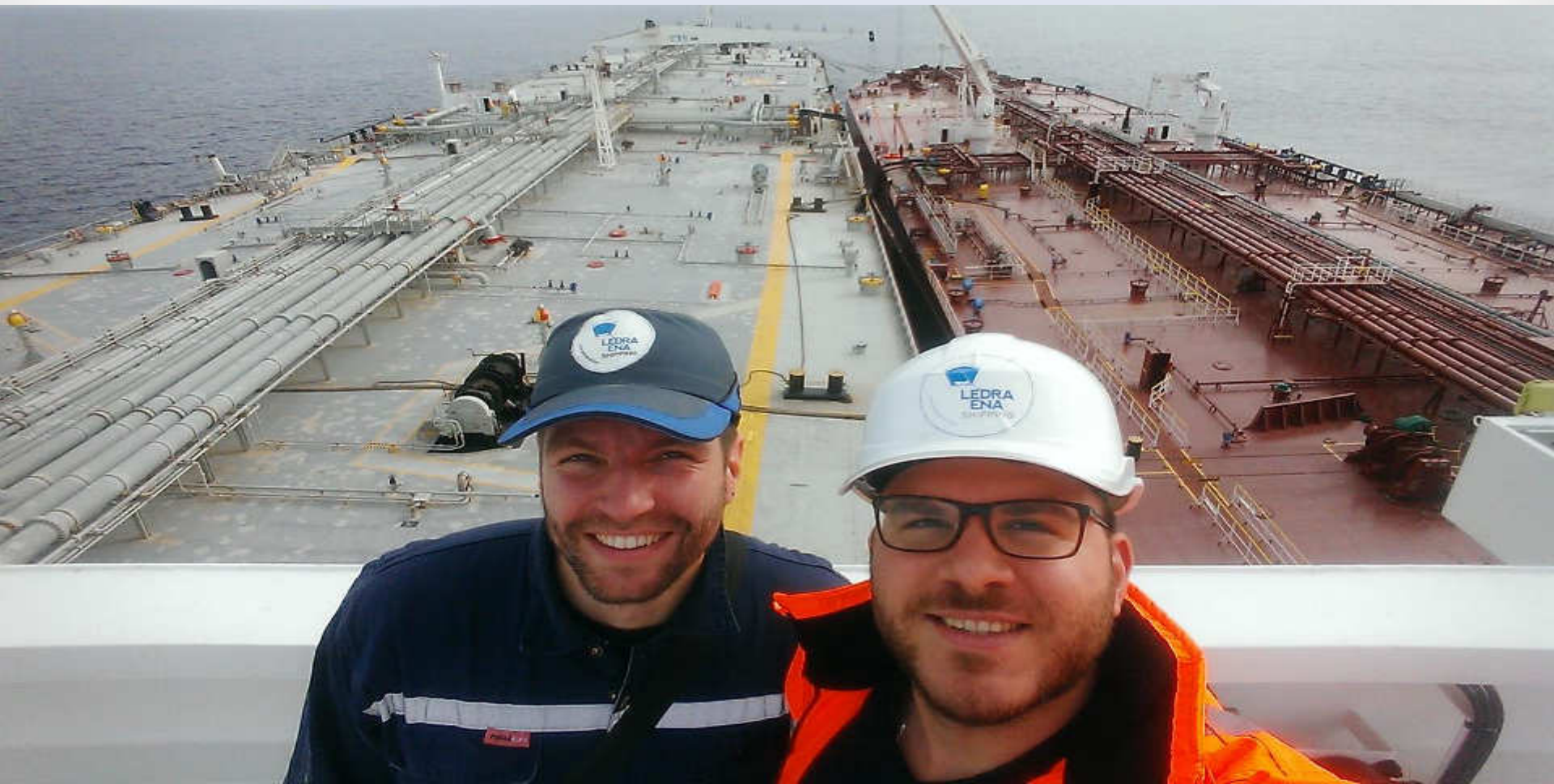


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*KEEPING SHIPS
IN BUSINESS*