



### EMERGENCY RESPONSE NUMBERS +30 695 72 10 477, +44 7341 923 809



## **OUR PROFILE**

Antipollution provides immediate, effective and reliable solutions concerning Emergency Response Services around the world in cooperation with significant international partners. The company offers solutions to prevent and respond to any kind of emergency and protect the environment.

The experienced and dedicated personnel of Antipollution and state of the art equipment are ready 24/7 to support critical decision making and action to address a variety of on land and in water incidents.

Antipollution is the leading company in the provision of Port Reception Facilities and one of the largest Waste Management companies in Greece and the Mediterranean. It operates in the major ports of Greece, as well as in many private marinas and terminals, providing integrated, tailor-made environmental solutions.

Embodying an experience of more than 70 years, we are proud to stand amongst the few companies having served the shipping industry to this extent.



### **OUR SERVICES**

The service portfolio of Antipollution consists of a comprehensive set of Emergency Response Services that enable its clients to make the correct decisions on the best course of action with confidence, haste and safety, reducing the risks and impact of a casualty:



#### **OIL SPILL RESPONSE**

We provide active, 24/7 response services to combat oil spills, wherever in the world they may occur, ensuring minimum risk to the environment, our clients' reputation, passengers, crew, cargo and assets. Our emergency response experts are highly trained and familiar with all the stages of oil spill monitoring, prevention and response, while our vessels are equipped with state-of-the-art oil containment and recovery equipment to protect marine environment efficiently.



#### **DESTROYED / DISTRESSED CARGO MANAGEMENT**

Our company provides on-site dis- We have an excellent working team tressed cargo management support for vessel cargoes that are partially or totally damaged, corrupted, contaminated or abandoned. We undertake the assessment plan, recovery, collection, transportation and disposal of cargo, in close cooperation with all parties involved and in full compliance with European and national legislation.



#### WASTE MANAGEMENT FROM WRECK REMOVAL

with great experience in handling and managing all hazardous materials onboard and cutting-edge equipment to undertake the most complex environmental protection services during wreck removal operations around the world. Our company has been involved in major projects, ensuring proper management of the overall procedure and minimal impact to environmental resources.



## **OUR SERVICES**



#### SEA SURFACE CLEANING



#### SHIP-TO-SHIP (STS) TRANSFER

Our modern catamaran-type vessels are equipped with a special hydraulic mechanism for the collection of floating waste. Their draught is particularly shallow, so they can perform work even in shallow waters, while they are especially easy to handle thanks to their maneuvering system. Due to their special construction they can access even the most difficult areas and clean all types of waste from the sea surface, efficiently protecting the marine environment. Transferring cargo from ship-to-ship is a demanding process, that requires a combination of state-of-the-art equipment, highly experienced personnel and in depth understanding of the marine environment. Our company is able to provide comprehensive solutions for all ship-to-ship requirements, in cooperation with significant partners and in line with all applicable environmental standards.



## **OUR SERVICES**

# Antipollution offers emergency response services to ports and private companies as shown below

- Preparation of Port Contingency Plan according to P.D. 11/2002 and submission to competent Port Authorities
- Theoretical and practical training in pollution prevention and response
- Consulting services during pollution incidents
- Regular inspection and maintenance of antipollution equipment
- Availability of personnel and antipollution equipment during pollution incidents

### We are contractors for the provision of Emergency Response Services in the following ports and private facilities:

- Piraeus Container Terminal S.M.S.A.
- Thessaloniki Port Authority S.A.
- Patras Port Authority S.A.
- Igoumenitsa Port Authority S.A.
- Evia Island Ports Authority S.A.
- Rafina Port Authority S.A.
- Agios Kosmas Marina, Hellinikon S.A.
- OIL ONE S.A.
- TEKAL S.A.
- Hellenic Seaplanes S.A.
- Port of Mikrolimano



### WHAT WE OFFER



## WHY CHOOSE ANTIPOLLUTION

- We provide an excellent combination of human resources, vessels, equipment and materials for oil spill combating operations around the world.
- We pride ourselves on being a reliable partner with years of experience and expertise in emergency incidents on land and in water, as well as in waste management.
- We offer the optimum solution to each partner, in the minimum time and cost, taking all the necessary health, safety and environmental protection measures.
- We share a passion for the protection and preservation of the marine and coastal environment.
- Our pollution response services are provided efficiently and in accordance with national and international legislation, conventions and standards.



### **OUR PEOPLE**

Our emergency response team comprises of highly-qualified and fully trained emergency service response personnel with years of experience in responding to and tackling real incidents on land and in water.



The team consists of OPRC OSR IMO Level 1, 2, 3 and HNS/ HAZMAT certified chemical engineers, marine chemists health and safety officers, naval architects, environmental scientists, waste management experts, trained workers in hazardous waste collection and packaging services, as well as an ideal mixture of young, enthusiastic individuals from various scientific and technical backgrounds.

All our employees fully understand their roles and responsibilities and work closely with our clients on-site to completely understand the risk profile of their company and the site-specific information which is critical to the operation.



## **OUR EQUIPMENT**

Antipollution owns a fleet of specialized and properly licensed crafts and vehicles as well as advanced technology for executing Emergency Response Projects on land and in water:

- Oil Spill Response Vessels / Work Boats
- Self-Propelled Barges / Towed Barges
- Skimmers
- Containment Booms
- Boom Reels
- Absorbent Materials of All Types
- Oil Pumping Systems
- Pumping Systems for Harmful Liquid
- Submersible Pumps
- Power Pack Units
- Oil Dispersants
- UN Approved Packaging of All Types
- Machinery for Beach Cleaning
- Hook Lifts & Crane Trucks
- Skip Loaders
- Grabble Loader Trucks and Tank Trucks
- Containers and Compactor Types
- Loaders, Sweepers, etc.





## **OUR FLEET**

Our fleet consists of different types of oil spill response (OSR) vessels that can conduct a wide range of anti-pollution activities.



#### **Work Boats**

Work boats are fast-deployment vessels that have a supportive role during marine pollution prevention activities. Their construction and the engine they carry allows them to deploy and tow oil containment booms. They can carry and develop oil recovery equipment such as skimmers, absorbent materials and make use of chemical dispersants (if necessary and permitted). Their low draught allows them to operate in very shallow waters. The work boats can also be used for water cleaning services.

#### **OSR Work Vessels**

OSR Work Vessels have the advantage of immediate and fast mobilization in the area of interest. Their high speed significantly reduces the response time to emergencies. Their construction and the mooring points they are equipped with allows them to deploy oil containment booms, oil recovery equipment (sweeping arm and brush skimmers, oil pumps, absorbent materials etc.) and provide support during OSR operations. They have the ability to collect and store oil residues and proceed to chemical dispersion activities.

#### **Oil Spill Response Vessels**

Oil Spill Response Vessels can proceed to oil and waste collection activities. Their construction gives them the ability to tow oil containment booms and deploy oil recovery equipment. Their low draught enables the vessels to approach near the coastline. Oil Spill Response Vessels can transport approximately 1.000 meters of oil containment booms and store all the necessary equipment. They are equipped with cranes that can operate in a wide range and are used for deploying oil absorbent materials, oil recovery equipment and for chemical dispersion activities (if necessary and permitted). OSR Vessels are also equipped with oil storage tanks for the quantities that are recovered during the oil spill response operations.



### CASE STUDIES - EMERGENCY RESPONSE PROJECTS RO/PAX EUROFERRY OLYMPIA FIRE INCIDENT -PROVISION OF DECONTAMINATION & WASTE MANAGEMENT SERVICES

On February 18, 2022, as RO/PAX EUROFERRY OLYMPIA travelled from Igoumenitsa to Brindisi, a fire broke out in Garage No 3 and soon spread to other areas of the ship. Tugboats, along with boats from the Greek and Italian coast guards, assisted with the passenger search & rescue and salvage operations. The salvage operation was undertaken by SMIT Salvage who, on February 23, 2022, and in cooperation with Megatugs, towed the ship to the port of Platygiali (operated by Akarport) in Astakos, where they continued with the search & rescue and salvage operations.

Antipollution undertook decontamination and, thanks to its highly trained personnel and specialized equipment, were able to provide environmentally sound management services for the waste generated by the fire. This included: cleaning and removing the destroyed vehicles for final disposal, decontaminating the port's dockside, decontaminating vessel's areas, and management of the generated waste.

The total duration of cleaning and waste management operations was 4 months.





### CASE STUDIES – EMERGENCY RESPONSE PROJECTS M/V CABRERA RAN AGROUND OFF ANDROS ISLAND / SHORELINE CLEAN-UP & WRECK REMOVAL

At the dawn of the 24th of December 2016, amidst adverse weather conditions, MV Cabrera en route from Larymna to Finland ran aground at the north part of Andros Island (Kampanos area) in Greece. MV Cabrera was carrying a cargo of 3500t of iron and 20t bunkers. A few days after the grounding vessel sank, some tens of light crude oil escaped from the wreck, causing serious contamination to the Island's beaches.

Salvage operations were assigned to companies SMIT Salvage and Megatugs, whilst Osra and Antipollution took over the clean-up operations of the Island's beaches. Soon, the wreck was broken in 6 pieces and the aft part was considered a threat to the safety of navigation and it had to be removed. This operation lasted until early November, when the clean-up of the shores was completed and the beaches were safe for public use.

Antipollution was also assigned to transfer the aft section of the vessel to a recycling facility in Turkey. This project was successfully completed in December 2017.





### CASE STUDIES - EMERGENCY RESPONSE PROJECTS M/T AGIA ZONI II - FIGHTING AGAINST SEA SURFACE & SHORELINE OIL POLLUTION

On Sunday, September 10, 2017, at 01:45, the tanker Agia Zoni II loaded with fuel oil and marine gas oil, sank southeast of the Atalanti Island, Salamis. An oil spill at sea was observed from the first hours of the incident, while the leak of an undefined amount of petroleum products resulted to an extensive pollution of the marine and coastal area of Salamis. In the next few days, oil pollution was recorded in other parts of the Saronic Gulf and had reached the south Attica coastal front.

Antipollution was one of the contractors involved in the coastal clean-up operations. For the completion of this challenging project, all basic and advanced coastline cleaning techniques were used, such as manual, mechanical, high pressure and flushing. A state-of-the-art oil containment and recovery equipment (diaphragm pumps/air pumps, high-pressure hot/cold portables, skimmers, antipollution booms, sorbents of all types etc.) along with company vessels, assisted the oil spill response team experts to fight against oil pollution for almost 3 months, with a high sense of responsibility for the protection of the marine and coastal environment.





### CASE STUDIES - EMERGENCY RESPONSE PROJECTS CLEANING AND WASTE MANAGEMENT SERVICES TO C/S MAERSK HONAM

On the 6th of March 2018 Maersk Line container vessel Maersk Honam reported an explosion and subsequent fire in one of its cargo holds. The ultra-large container ship at the time was en route in the Mediterranean Sea carrying on board 7.860 containers. Fire was mitigated in May and the vessel was safely berthed at Jebel Ali Port in Dubai on the 22nd of May, where intact cargo discharge operations commenced. Once the safe cargo was removed, Salvors started operations on the fire stricken part of the vessel, loading destroyed containers on board barges and transporting them to Port Khalid Sharjah for further management.

Antipollution was assigned to provide specifications related to waste sampling, chemical analysis, classification and waste management as well as to design a special area at Port Khalid for the acceptance of waste from Maersk Honam. Additionally, Antipollution undertook the clean-up of the damaged containers, segregation and management of related waste. All operations were conducted with respect to the protection of the environment and human safety. A team of experts (Project Manager, Marine Chemist, H&S Officer, HazMat Expert, Mechanical Engineer and Foremen) were mobilized immediately to work on scrap clean-up and special waste repackaging.





### CASE STUDIES – EMERGENCY RESPONSE PROJECTS REFLOATING AND REMOVAL OF THE RO-RO / PASSENGER VESSEL PANAGIA TINOU

Following a tender by Piraeus Port Authority SA, the work of water pumping, sealing the vessel and removal of the wreck was undertaken by Antipollution. The vessel half-sunk at the port of Piraeus on the 26th of April 2016, after it capsized and started taking in water.

The project was developed in two phases and despite its high level of complexity, was successfully completed, in full accordance with the strict contractual schedule, due to the excellent planning, the careful studies, the experienced working team and the state-of-the-art equipment used. The first phase of the project concerned the refloating of the vessel and was completed on the 11th of February 2017. Before that, a team of experts had removed the oil and sealed the openings to protect marine environment from pollution. Once "Panagia Tinou" had been stabilized, the second phase of the project included the removal of the vessel from Piraeus Port and its transfer abroad for scrapping. This was a difficult task time-wise, since the vessel had been listed for almost a year at one of the main passenger port terminals and the necessary Trans Frontier Shipment Licenses had to be issued before the commencement of the tourist season.

The early morning of the 21st of March 2017, "Panagia Tinou" sailed from Piraeus Port towed by tugboat "Pantokrator" for her last trip to Turkey where she was dismantled at a ship recycling facility.



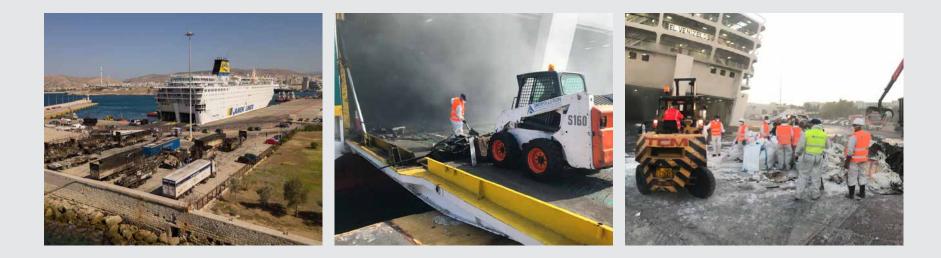


### CASE STUDIES – EMERGENCY RESPONSE PROJECTS RO-RO / PASSENGER VESSEL ELEFTHERIOS VENIZELOS FIRE EMERGENCY – CLEANING AND WASTE MANAGEMENT SERVICES

In the night between the 28th and 29th of August, 2018, Eleftherios Venizelos, the Anek Lines ferry, during its travel from Piraeus to Crete with 875 passengers and 141 crew on board, was hit by a serious fire in the garage area. The ship returned to Piraeus Port where the Fire Brigade immediately started the extinguishing operation. Antipollution supported the operation with its anti-pollution vessel and equipment, offering its services on a 24/7 basis.

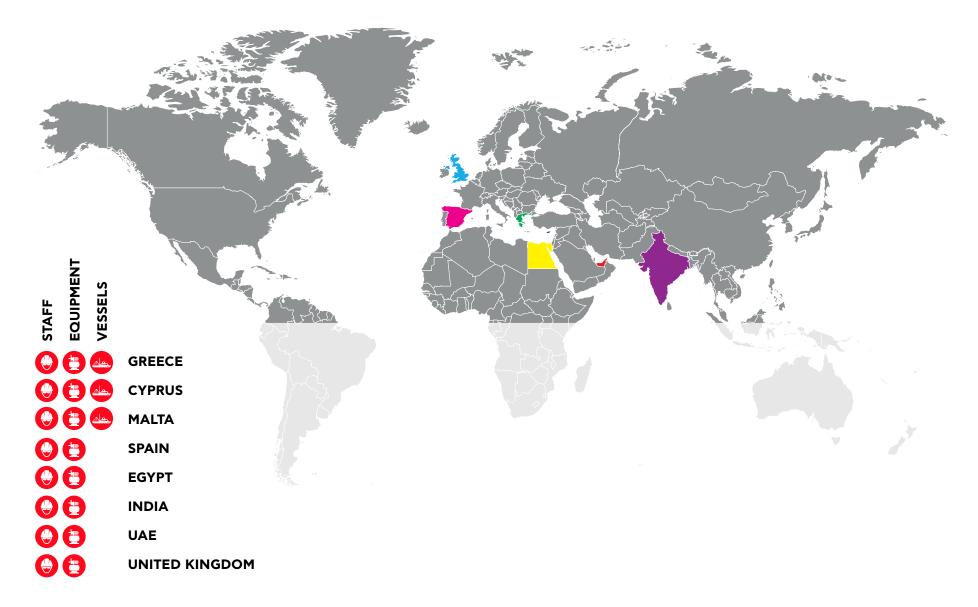
During the next phase of the operation, the company was assigned to move the burned cars, trucks and their damaged cargo to a secure place, opening safe passages and cleaning the garage area so that the vessel could sail to the repair zone. The waste management operation included the repackaging and final disposal of the collected waste.

The project lasted 2 months and employed about 30 people.





### **OUR GLOBAL PRESENCE**





### **OUR LOCAL PRESENCE**





## **OUR PARTNERS - CERTIFICATIONS - MEMBERSHIPS**

**Worldwide Emergency Response Services** 

## VEOLIA

Antipollution SA and Veolia Field Services UK Ltd, member of the international Sarpi Veolia, joined forces in March 2016 to serve the shipping industry worldwide. Antipollution provides its expertise in Waste Management according to the International Convention Marpol 73/78 and experience in serving the shipping sector, while Veolia UK contributes with its processing plants around the world. The scheme offers integrated solutions, prompt, safe and environmentally sound emergency response services as well as destroyed / distressed cargo management services on a global level.

#### Certifications

- Quality Management System (ISO 9001:2015)
- Environmental Management System (ISO 14001:2015)
- EMAS Register

- Occupational Health and Safety Management System (ISO 45001:2018)
- Ship Generated Waste Management System (ISO 16304:2018)
- Road Traffic Safety (RTS) Management System (ISO 39001:2012)
- Social Accountability International Standard (SA 8000:2014)
- International Sustainability and Carbon Certification (ISCC EU)

#### **Memberships**























Hellenic Marine Environment Protection Association

Greek Association of Environmental **Protection Companies** 

Hellenic Solid Hellenic Shortsea Shipowners Association Waste Management Association

Hellenic Shipowners Association of Tugs, Salvage, Antipollution and OSVs

**Owners & Associated** Members

Ship Waste Solutions

EUROSHORE

Internationa Solid Waste Spill Control Association Organization

**ISW** 

Internationa Salvage Union



## **CONTACT INFORMATION**

There are many challenges to be faced in preparing and responding to a ship emergency. Our experts receive regular emergency response training and are familiar with all the stages of waste management. A complete range of machines, equipment and services can be rapidly activated to provide primary and secondary response support in the case of an incident when a call-out is received.

Contact us to find out more information about our services and the way we handle emergencies at sea. Our team is on duty 24/7!

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