



# PRODUCT CATALOGUE

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Defining environmental protection since 1977

Environmental Protection Engineering S.A.

Follow us on:





## OUR COMPANY

Environmental Protection Engineering S.A. (EPE) established in Piraeus in 1977, and offers a complete range of environmental protection services and products, including emergency response services for oil and chemical spills.

EPE provides contingency and preparedness services to all types of onshore and offshore facilities always in full accordance with all relevant legislation and industry standards.

By continuously investing in R&D, EPE is a leading company in designing and production of various types of marine equipment and systems such as bilge oil water separators, sewage treatment plants, potable water related systems, sacrificial anodes, antifouling and cathodic protection systems. EPE has also established trustful collaborations as a sale agent for sprinkler, sewage and stainless steel piping systems as well as other electronic equipment for ships.



### EXPERTISE

40 Years of Experience  
Thousands of Incidents



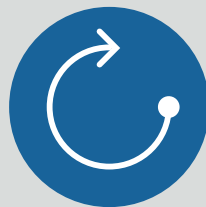
### RESPONSIBILITY

First to Respond  
with Superior  
Solutions



### INNOVATION

Leading  
Environmental  
Technologies



### TOTAL SOLUTIONS

Total Environmental  
Solution Providers in  
East Med.

# Marine and Industrial Equipment and Products

## MEET OUR PRODUCTS

The manufacturing activity of EPE began in 1982 with the design and production of marine environment protection equipment from ships effluents. All products are certified by the relevant National and International Authorities and Classification Societies.

Aiming at providing complete and reliable solutions for the environmental protection and safety systems, EPE cooperates with major strategic partners. We offer a wide spectrum of products which exceed our customers' expectations whilst building long term and loyal relationships.

## RANGE OF PRODUCTS

### WASTE WATER TREATMENT

- POSEIDON FIT
- POSEIDON EC
- TRITON EC

### WATER TREATMENT

- ALIOS EVO

### HARMFUL AIR EMISSIONS

- HERMES

### CATHODIC PROTECTION

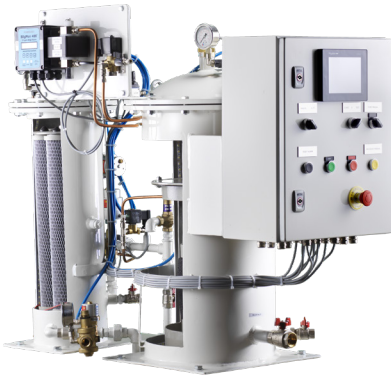
- ALUMINIUM ANODES
- ZINC ANODES
- ANTIFOULING ANODES

### ON-SITE DISINFECTION

- POWERKLOR

## SERVICES

- 24/7 SUPPORT AND TROUBLESHOOTING
- MAINTENANCE AND ANNUAL CALIBRATION
- INSTALLATION SUPERVISION & COMMISSIONING



## POSEIDON FIT

### Bilge Oil Water Separator

Our industry standard bilge oil water separator, certified for 5PPM. Redefining simplicity with automated operation. Certified by IMO RES, MEPC. 107 (49).



## POSEIDON EC

### Bilge Oil Water Separator

The patented electrolytic process is boosting agglomeration of emulsions at our industry benchmark OWS (Poseidon FIT). The high-end OWS ensures oil free water discharge under any condition. Certified by IMO RES, MEPC 107(49)

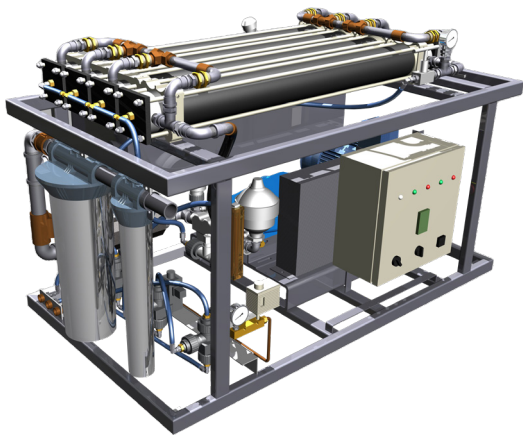


## TRITON EC

### Electrochemical Sewage Treatment Plant

TRITON EC is designed for waste water treatment on board merchant ships, Navy vessels, yachts, ferries, small cruisers, offshore platforms and most other marine type applications.





# ALIOS EVO

## Fresh Water Generator

ALIOS EVO is a proven alternative to the production of fresh water with evaporation, since there is no need for the operation of the main engine or the boiler of the vessels, thus minimizing energy consumption.

## HARMFUL AIR EMISSIONS



# HERMES

## Black Smoke & Odor Eliminator

The HERMES Soot Elimination System reduces harmful air emissions from diesel generator gases by eliminating Black Smoke (BS) and harmful Particulate Matter (PM).

**Protecting the environment from harmful air emissions**

## ON-SITE DISINFECTION



# POWERKLOR

## Elevating Environmental Engineering

The ultimate on-site chlorine generator for sustainable, cost efficient and effective disinfection of all surfaces. Redefining simplicity with automated operation and minimum maintenance.



## Marine Sacrificial Anodes & Antifouling Anodes

EPE is a leading specialized supplier of Sacrificial Anodes and cathodic protection internationally, with applications to subsea infrastructures, shore and land structures, underground pipelines, wind farms, jetties, ships & yachts.

## Aluminum Anodes

The chemical composition of aluminum anodes is based in the well-established Al-Zn-In and it is suitable for most sea water applications. Their electrochemical capacity is more than three times greater than the capacity of zinc. It is the most widely used alloy for the cathodic protection of ships and other marine metallic structures.

POLCOR's pre-casting quality secures the concentration of all important elements (either impurities or alloying elements), even in very low concentrations, in order to strictly conform to the specification.

## Zinc Anodes

The Zinc alloy type is the well-established formulation based on US MIL – A – 18001K specification. It is suitable for general seawater applications. Its low electrochemical capacity makes it suitable for coated structures where the current demand is significantly reduced.

## Antifouling Anodes

We provide Antifouling spare electrodes (Copper-Aluminum, Copper-Iron) as per your requirements for any kind of Impressed Current Antifouling System you may have on board.

Our flexible production line ensures very cost efficient rates in addition to our quality control system that guarantees reliable operation of POLCOR spare antifouling electrodes.

## PRINCIPALS

EPE cooperates with major strategic partners, offering a wide spectrum of leading high-quality products.



Marine Drains  
**BLÜCHER**



Monitoring Systems  
**BRANNSTROM**



Torque & Shaft Power  
Measurement Solutions  
**Datum Electronics**



Vacuum Sewage Systems  
**Evac**



Manufacturer of centrifugal and  
positive displacement pumps  
**GARBARINO**



Ultrasound Technologies  
**HASYTEC Group**



Manufacturer of  
centrifugal pumps  
**HERBORNER PUMPEN**



Marine Industrial Equipment  
**Ingersoll Rand**



Hi-Fog Sprinkler Systems  
**Marioff Corporation**



Pipe coupling  
**Teekay Pipe Coupling**



Marine industrial equipment  
**Triclad**



Bridge & Engine Room Equipment  
**Wärtsilä NACOS Platinum**

## Introduction

EPE's IHM Maintenance Platform is a Cloud-based solution supported by experienced HazMat experts for maintaining vessel's Inventory of Hazardous Materials in real time. EPE's IHM Maintenance Platform aims:

### Shipowners/Managers

- Ensure compliance with applicable Regulation (*EU No.1257/2013, HKC 2009 & IMO Resolution 269(68)/2015*)
- Keep fleet IHMs maintained and up to date
- Online library of incoming MDs/SDoCs accompanying POs
- Receive automated IHM report exports 24/7
- Gain valuable insights with important KPIs on fleet's compliance and suppliers' performance
- Provides relevant PO data (at predefined intervals) or via API (ability to connect to all ERP Systems)

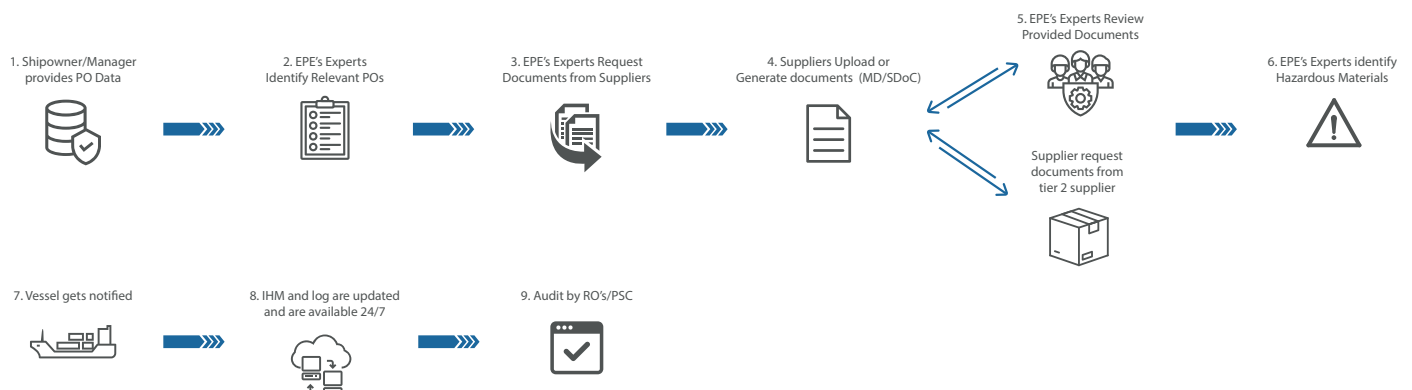
### Suppliers to Marine Industry

- Browse through IHM docs requests (MDs & SDoCs)
- Generate, upload & submit IHM docs online
- Request IHM docs by sub-suppliers
- Create HazMat database for product catalogue
- Receive support from EPE's HazMat Experts

## Key Features

- Reduce costs with a turn-key online service & a fully trained and experienced HazMat team
- Save time by interacting on a user-friendly interface
- Ensure fleet compliance by identifying relevant items (< 30% fall into scope)
- Reduce the burden for suppliers by avoiding unnecessary requests
- Gain insights by accessing valuable data
- Access 24/7 on any internet browser without installing unnecessary software
- Stay secure with web servers that guarantee secure data
- Boost reliability with an IHM Service Provider approved by 5 Classification Societies (DNV, ABS, LR, BV & KR) and 2 Flag States (Marshall Islands & Liberian Flag)
- Become auditing-ready by giving 'Guest' access to ROs/PSCs upon request

## Process Flow







# DEFINING

ENVIRONMENTAL PROTECTION

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**SINCE 1977**



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