

FDIA

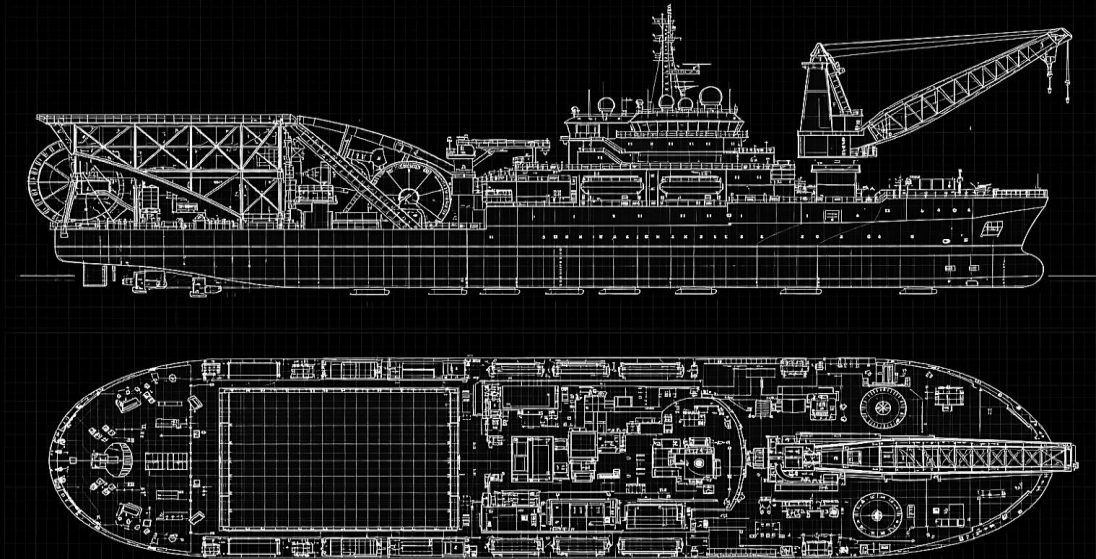
FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA,
FDIA - REPRESENTAÇÃO PERMANENTE

WASTE CRUDE OIL TREATMENT & PURIFICATION ECOLOGICAL PLANT



- **SECTOR OF APPLICATION:**
- **OFFSHORE PLATFORMS**
- **SUBSEA PIPELINE INSTALLATION**
- **SUBSEA CABLE WORK**
- **SUPPORT FOR SYSTEM ASSEMBLY AND TESTING**

PLATFORMS FOR RURAL SUSTAINABLE TERRITORIAL ECONOMIC DEVELOPMENT PROJECTS IN FUTURE PERIPHERAL AREAS



This 3D rendering represents a preliminary concept of a future project. The image is intended to provide a general visual idea of the design, layout, and architectural style. At this stage, the project is still under development, and all elements shown are subject to change.

PLATFORMS & VESSEL FOR RURAL SUSTAINABLE TERRITORIAL ECONOMIC DEVELOPMENT PROJECTS IN FUTURE PERIPHERAL AREAS



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ENZYME BASED WELL STIMULATION

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WASTE CRUDE OIL TREATMENT & PURIFICATION SOLUTIONS

- The foundation's involvement in this field represents more than just an environmental initiative it serves as a blueprint for global ecological recovery efforts. Through its commitment to sustainability, innovation, and humanitarian values, the FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA, FDIA - REPRESENTAÇÃO PERMANENTE will set in future a new international benchmark for waste crude oil management and ecological rehabilitation.
- By leveraging modern technology, strategic partnerships, and scientific research, the foundation is ensuring that industrial waste no longer remains an environmental liability but becomes a resource that can be safely repurposed.





ECOLOGICAL PETROLEUM KIT



Steel CABINET WITH RAISED LID
for two 1000-liter IBCs



CABINET WITH SHELF
for 2 x 200 kg drums



Steel CABINET for 1 x 200 kg drum



Steel CABINET for 4 x 200 kg drums



Steel CABINET for 8 x 200 kg drums



Steel CABINET for 2 x 200 kg drums



Pollution Control Solutions

Absorbents for Oils & Hydrocarbons



Universal Absorbents



Pollution Control

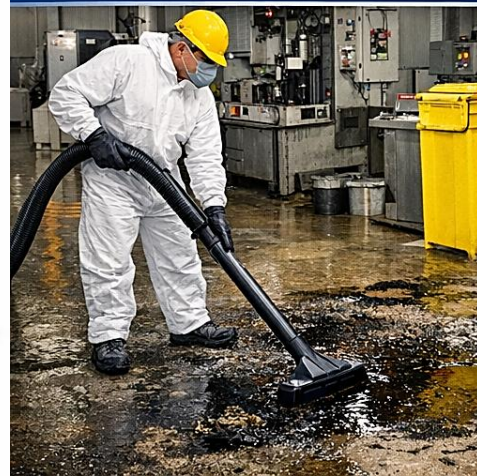
Biological Disintegrants



Absorbent Powders



Industrial Cleaning



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ECOLOGICAL SOLUTION WITH BOOMS SORBENTS PRODUCTS USED FOR EMERGENCY TREATMENT OF CRUDE OIL



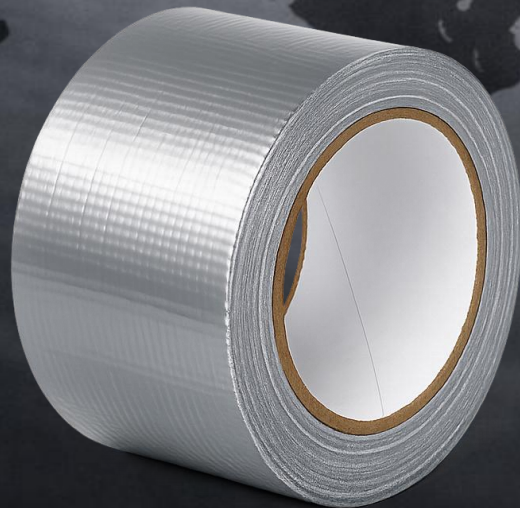


Sustainable Protection for Oil Pipelines

Preventing Crude Oil Leaks – Protecting Ecosystems

The integrity of oil pipelines is a critical factor in preventing crude oil spills, one of the most damaging sources of environmental pollution for soil, groundwater, and marine ecosystems.

Certified anti-corrosion protective tapes, applied as cold-applied multilayer systems, represent a reliable and sustainable solution for both onshore and offshore pipeline infrastructures. These protective systems are designed to act as a long-term barrier against corrosion, mechanical damage, abrasion, and impact stresses that can lead to leaks and structural failure.



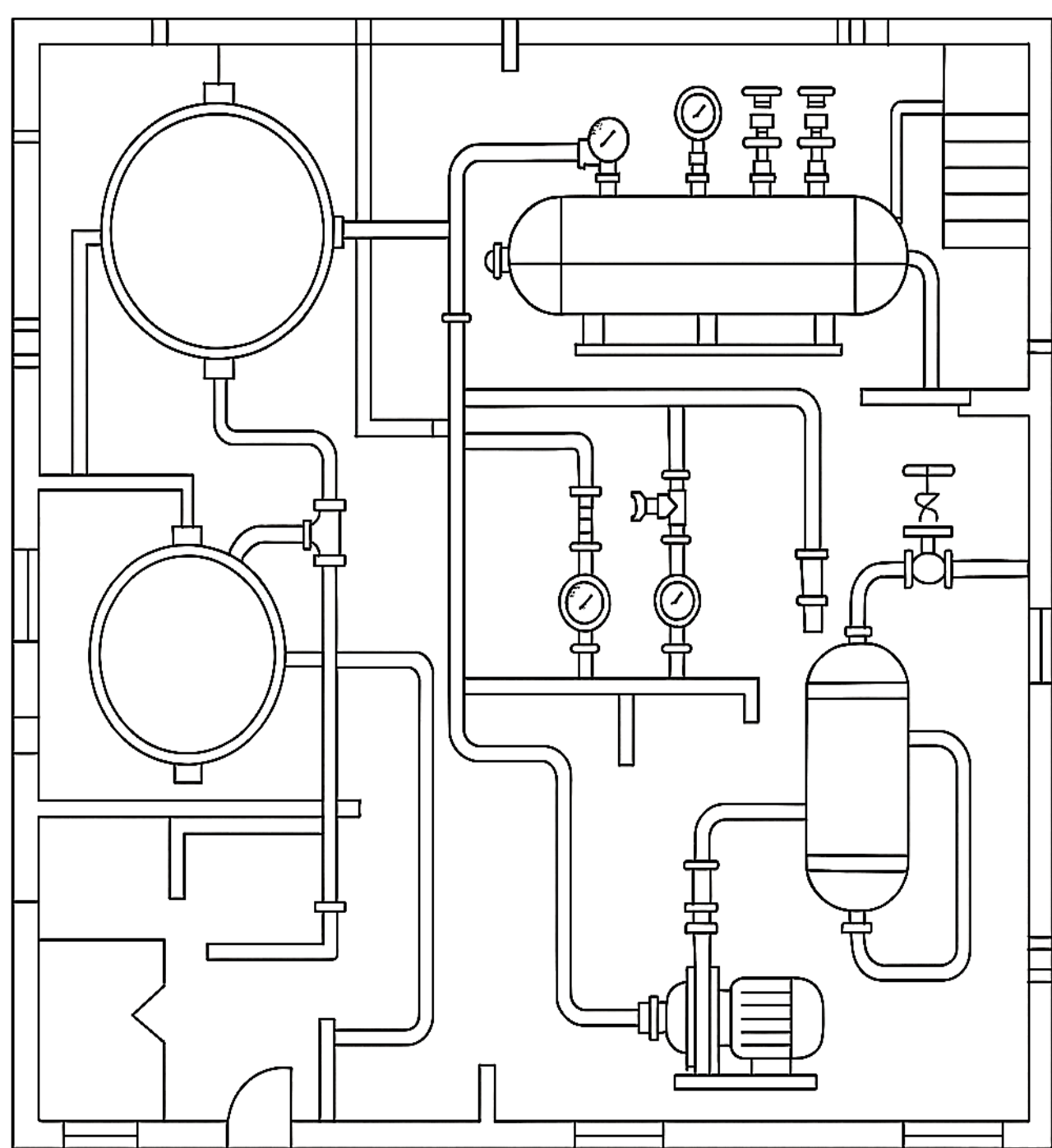
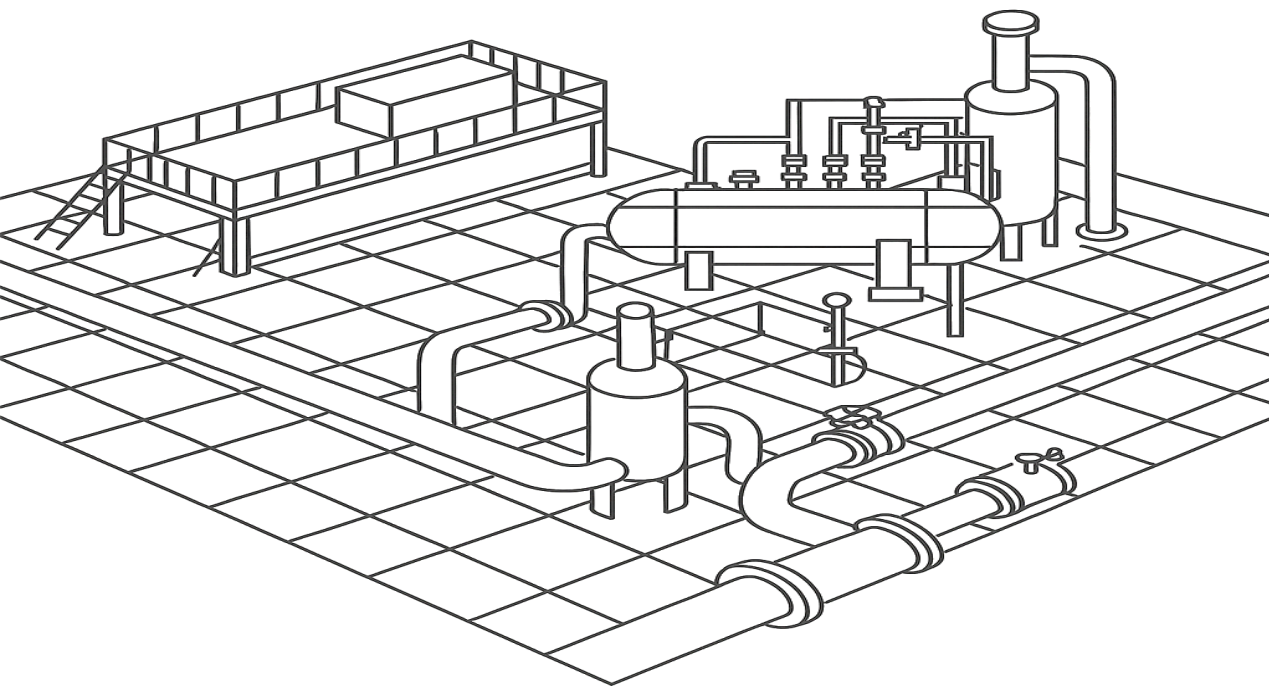
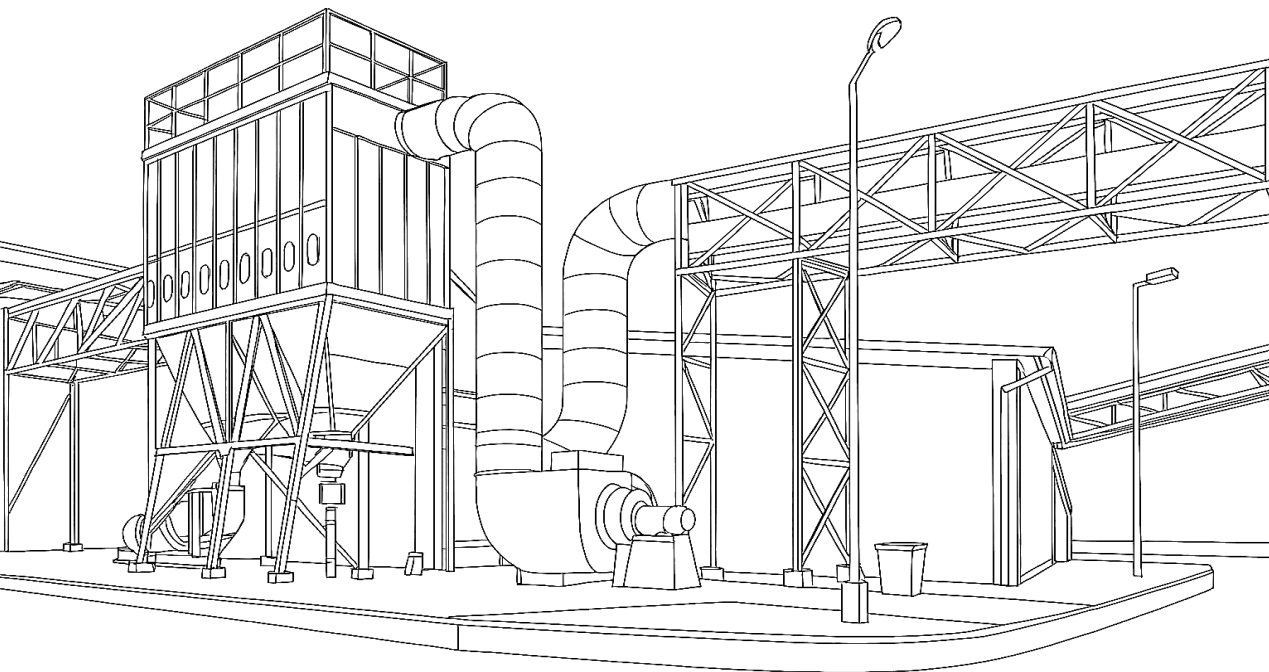


Website: www.fdiangopermanente.pt/index.html
Projects & videos: www.fdiangopermanente.pt/download.html
Email: incubator@fdiangopermanente.pt
Email: eu.secretary@fdiangopermanente.pt



**FUNDACIÓN DEMOCRÁTICA ITALO
AMERICANA, FDIA -
REPRESENTAÇÃO, REPRESENTED BY
PRESIDENT LAWYER VINCENZO
CORTEGIANI, GENERAL DIRECTOR
DR. FABIO ROSATI AND PROJECT
MANAGER DR. LUCA ROSATI
PROVIDE OUR FREE CONSULTANCY
FOR CONSTRUCTION THE
ECOLOGICAL INDUSTRIAL PLANT
FOR TREATMENT FLUIDS, CRUDE OIL.**





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BOOMS SORBENTS PRODUCTS USED FOR EMERGENCY TREATMENT OF SPILLS





FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA,
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WASTE CRUDE OIL TREATMENT & PURIFICATION PLANT



- **FDIA – Representação Permanente** plans to appoint a new general contractor to lead its waste crude oil treatment and purification work, aiming to boost efficiency, innovation, and accountability in large environmental projects. The contractor will design and deploy high-capacity waste oil purification plants, apply advanced remediation methods (including nanotechnology, chemical treatments, and microbial solutions), ensure full compliance with international environmental laws, collaborate with technical experts on complex contamination challenges, and build partnerships with communities, governments, and stakeholders so projects deliver shared environmental and social benefits.



SORBENT ECOLOGICAL MACHINE

SUITABLE FOR:

OILS, FLUIDS, POWDERS, WASTES

- ✓ **ON-WATER APPLICATION**
- ✓ **ON-LAND APPLICATION**
- ✓ **PRE-LANDFALL OF OCEAN SPILL**
- ✓ **TREATS UP TO 5 ACRES PER HOUR**
- ✓ **ROBUST DESIGN**
- ✓ **DIESEL POWERED**
- ✓ **THE LENGTH OF THE TUBE IT IS 29 METERS**
- ✓ **REMOTE CONTROL**







FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA,
FDIA - REPRESENTAÇÃO PERMANENTE



The FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA, FDIA - REPRESENTAÇÃO PERMANENTE has identified a crucial role in the ecological sector, particularly in the field of waste crude oil treatment and purification. This initiative aims to mitigate environmental hazards by implementing sustainable solutions for crude oil reclamation and the remediation of produced water evaporation pits at sites such as emergency areas and refineries.





**ECOLOGICAL SOLUTION WITH
BOOMS SORBENTS
PRODUCTS USED FOR
EMERGENCY
TREATMENT OF SPILLS**





FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA,
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OIL & GAS ECOLOGICAL SEPARATORS



- SEPARATORS (2 AND 3 PHASES)
- BENEFITS:
- EFFECTIVE SEPARATION OF LIQUIDS, GASES AND SOLIDS
- REDUCTION OF THE RISK OF CONTAMINATION AND POLLUTION
- MODULAR DESIGN TO ADAPT TO DIFFERENT PRODUCTION VOLUMES





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OIL & GAS ECOLOGICAL VAPOR RECOVERY UNITS



VRUS (VAPOR RECOVERY UNITS) ARE A KEY TECHNOLOGY TO REDUCE HARMFUL EMISSIONS ASSOCIATED WITH THE PROCESSING AND STORAGE OF CRUDE OIL. IN HUMANITARIAN SCENARIOS, ESPECIALLY IN SENSITIVE OR VULNERABLE AREAS, THE USE OF THESE EQUIPMENT ALLOWS TO:

- **LIMIT AIR POLLUTION FROM VOLATILE ORGANIC COMPOUNDS (VOCs)**
- **PROTECT LOCAL COMMUNITIES EXPOSED TO ENVIRONMENTAL RISKS RELATED TO THE OIL SUPPLY CHAIN**
- **SAFEGUARD NATURAL RESOURCES AND PUBLIC HEALTH**



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WASTE CRUDE OIL TREATMENT & © PURIFICATION SOLUTION





FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA,
FDIA - REPRESENTAÇÃO PERMANENTE



One of the most pressing environmental issues in oil extraction and processing is the improper disposal of waste crude oil and the contamination of soil and water through produced water evaporation pits. These pits, often found near quarries and refineries, accumulate toxic residues, posing a severe risk to ecosystems, water sources, and local communities.

- ✓ Reclaiming waste crude oil through innovative separation, filtration, and purification technologies that recover usable hydrocarbons while minimizing waste.
- ✓ Remediating soil contamination caused by oil spills and industrial discharge, ensuring that lands affected by evaporation pits are rehabilitated and made safe for future use.
- ✓ Implementing advanced bioremediation techniques to accelerate the natural breakdown of hydrocarbons, restoring environmental balance while reducing the ecological footprint of crude oil waste.
- ✓ Developing eco-friendly disposal methods that prioritize sustainability, reducing reliance on hazardous landfill disposal and incineration methods.



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ECOLOGICAL SOLUTION WITH BOOMS SORBENTS PRODUCTS USED FOR EMERGENCY TREATMENT OF SPILLS



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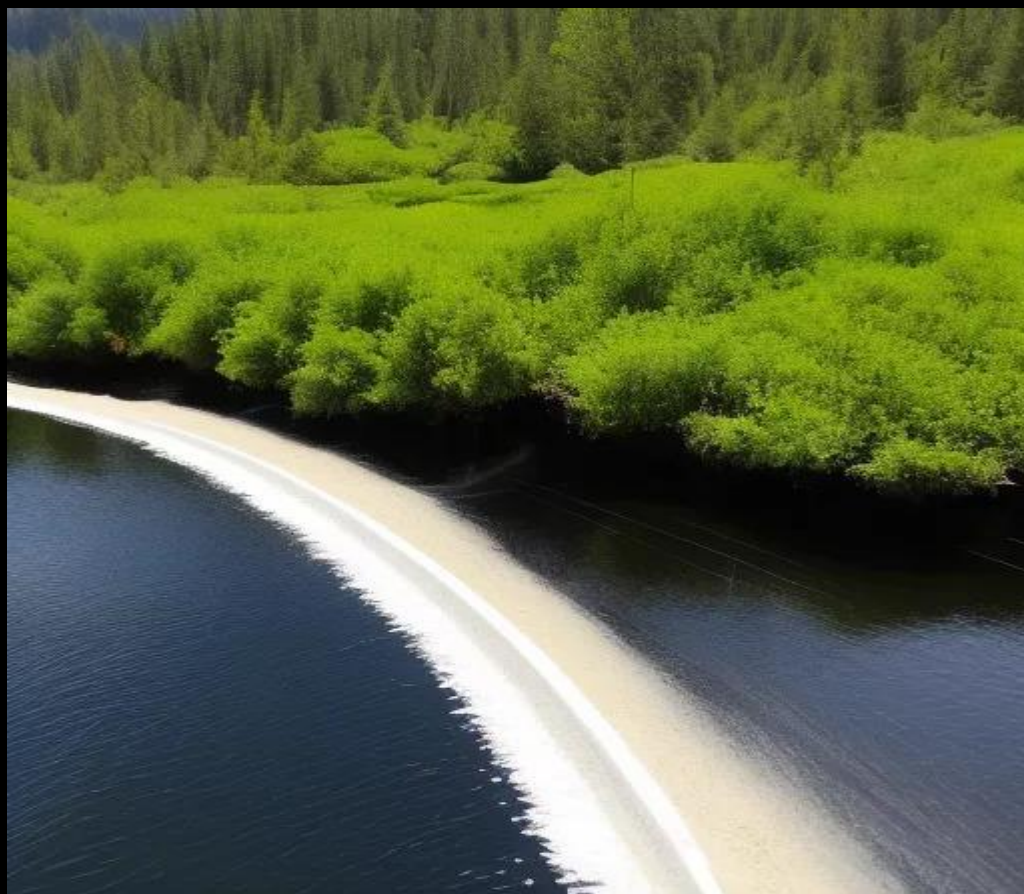


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ECOLOGICAL SOLUTION WITH BOOMS SORBENTS PRODUCTS USED FOR EMERGENCY TREATMENT OF SPILLS



PROJECT OWNER/PROJECT DEVELOPER

FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA, FDIA -

REPRESENTAÇÃO PERMANENTE REPRESENTED BY:

PRESIDENT: LAWYER VINCENZO CORTEGIANI

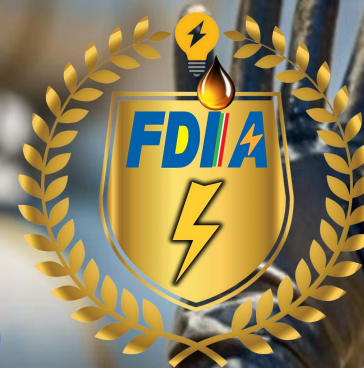
GENERAL DIRECTOR: DR. FABIO ROSATI,

WEB-SITE DESIGNER/PROJECT DESIGNER: DR. LUCA ROSATI



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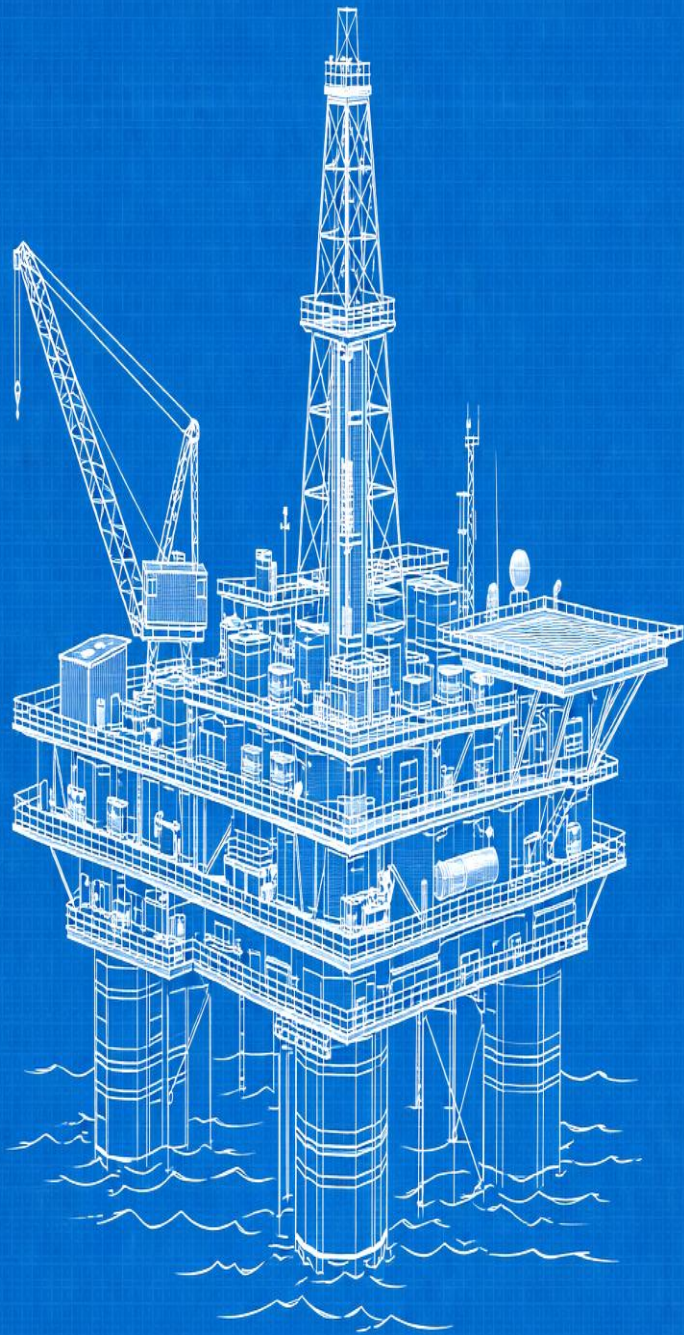












Our association works every day to prevent environmental disasters like this, promote clean energy, and protect local communities. Taking an ecological approach with innovative solutions and our super-strong tapes is an excellent repair.

- ❖ **Let's defend the Earth.**
- ❖ **Support those working for a sustainable future.**





FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA,
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To further strengthen its humanitarian and ecological mission, FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA, FDIA - REPRESENTAÇÃO PERMANENTE will soon appoint a new general contractor to lead the next phase of its environmental recovery projects. This appointment is expected to drive innovation, optimize treatment processes, and improve the efficiency of crude oil waste purification technologies. By combining expertise in waste management with cutting-edge solutions, the foundation aims to set new industry standards for oil spill remediation and environmental restoration. By combining expertise in waste management with cutting-edge solutions, the foundation aims to set new industry standards for oil spill remediation and environmental restoration.





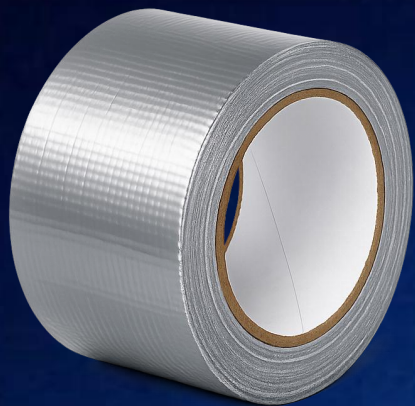
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FDIA - REPRESENTAÇÃO PERMANENTE



The FUNDACIÓN DEMOCRÁTICA ITALO AMERICANA, FDIA - REPRESENTAÇÃO PERMANENTE is at the forefront of humanitarian and ecological advocacy, addressing critical environmental challenges through sustainable solutions. In alignment with its mission, the foundation is actively engaged in the development and implementation of advanced waste crude oil treatment and purification strategies.

This initiative is designed to mitigate industrial pollution, restore degraded lands, and ensure the responsible management of hydrocarbon waste. Given the increasing concern over the environmental impact of crude oil extraction and refining processes, the foundation aims to establish a globally recognized model for reclamation and remediation that adheres to the highest environmental standards.





ECOLOGICAL PETROLEUM
INNOVATIVE TECHNOLOGIES



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www.fdiangopermanente.pt/download.html

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