

RAYOS-NO



dinnteco

# SAIL PEACEFULLY WITHOUT FEAR OF LIGHTNING

WITH THE LATEST IN TECHNOLOGICAL INNOVATION



**YOUR PROTECTION SYSTEM  
FOR SAILING SAFELY**

This innovative system acts by deionizing the air, avoiding the formation of lightning; eliminating the high risk of fires and explosions, protecting individuals, animals, and infrastructure.

It is currently installed in the world's major vessels, such as the Chikyu (the largest oceanographic drillship), the Panama Canal, PEMEX Towers and Ships in the Gulf of Mexico, and a large number of yachts, sailboats, and ships around the world.



**AT THE FOREFRONT OF SHIPPING  
SAFETY AND PROTECTION**



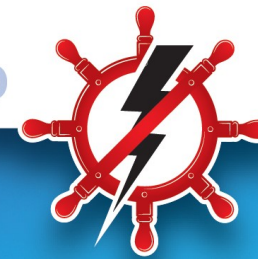
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**YOUR SAFETY IS OUR COMMITMENT**

RAYOS-NO



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# LIGHTNING PROTECTION SPECIALISTS

**SHIPS • BOATS • YACHTS**

## WHO ARE WE

We are a visionary company dedicated to protection and safety technology, mainly focusing on minimizing operational risks, ensuring maximum business continuity for our customers, both at sea and on land.

For over 10 years, we have specialized in the installation and maintenance of industrial, commercial, and residential prevention and protection systems against lightning and power surges, responsible for ensuring safety of infrastructure, as well as human and animal life.

Thanks to the honest and responsible way in which we provide our services, we have many commercial partners, such as **DINTECO, PANAMAX, CARMANAH, ERICO CADWELD, REELCRAFT, and CLAMPER**, which proves that we work under the highest quality standards in each of the projects developed, which we undertake with the greatest degree of commitment.

## OUR EXPERIENCE

Our services include marketing, study, installation, and maintenance of each of our products, offering comprehensive services tailored to the needs of each client.

Our technology is currently installed in various sectors, including telecommunications, tourism, oil, gas stations, industries and sailing. We have extensive international experience, recognized by major organizations worldwide, such as NATO.

We are present in the main megastructures of the world, including Ushiku Daibutsu (the largest statue of Buddha, located in Tokyo, Japan), the Panama Canal (Panama), PEMEX crude oil towers (Gulf of Mexico), and Chikyū (the largest oceanographic drillship in the world), among many others.

## REASONS FOR THE TECHNOLOGICAL CHANGE

This technological change is aimed at prevention, safety and protection of your investment, as our **RAYOS-NO** equipment guarantees up to 100% of reduction in direct lightning strikes on all types of ships and sea structures, through deionization of the air.

**RAYOS-NO**  
dinnteco®

**YOUR SAFETY  
IS OUR COMMITMENT**



HIGH TECHNOLOGY  
DEVICE AGAINST  
LIGHTNING



## SERVICES FOR THE SHIP INDUSTRY

We have the latest **RAYOS-NO** Technology available for installation, created against atmospheric discharges (lightning), one of the main reasons for accidents at sea, representing millions of dollars in losses.

Our services include an analysis prior to installation, installation, support, and maintenance of all our equipment, including coverage and an extensive international warranty for installation of the devices. (Refer to warranty clauses for each type of equipment).

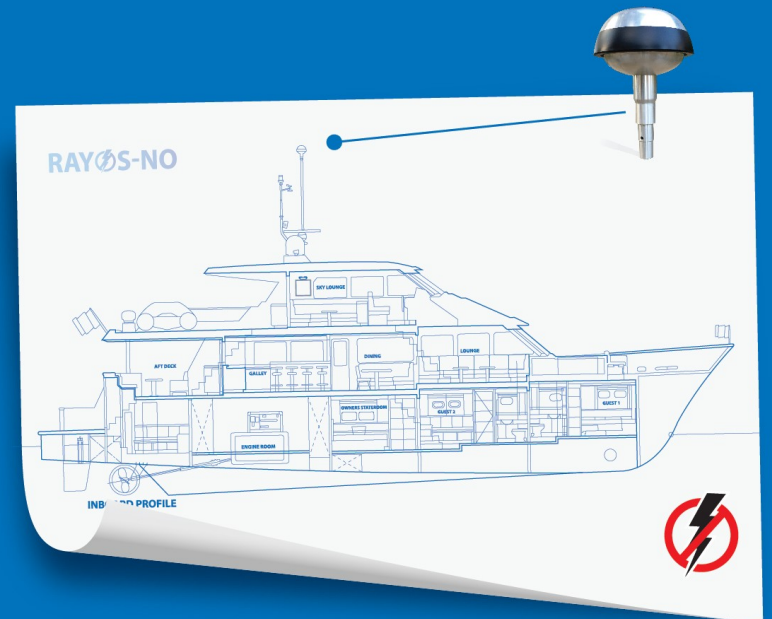
## ANALYSIS PRIOR TO INSTALLATION

The normal process of analysis for yachts and ships requesting our services consists of a visit from an engineer or risk analyst, who presents a risk report, which successfully ensures coverage of each ship's needs.

Based on the Protection Needs Analysis, we define the technical characteristics by evaluating parameters, such as the height and diameter of the vessel, technical requirements according to the equipment's capacity or area on which it will be installed, either for land protection at the dock or directly into the vessel for protection in open sea.

Subsequently, this study will define the needs for protection against direct lightning, through the installation of our **RAYOS-NO** protection system, based on the height of the mast, copper wiring, soil mass equipotential, and other factors that could increase risk to the vessel itself.

# PREVENT LIGHTNING STRIKES ON YOUR BOATS



## INSTALLATION PROCEDURE

During the installation procedure, our engineers consider the technical protection needs required for each boat or vessel, for the highest economic and design yields, optimizing grounding, copper downspouts, surge protectors and construction according to mast height.

Once our **RAYOS-NO** system has been installed on the highest point of the boat or vessel, the result is a structure protected against the electrical phenomenon caused by lightning. An installation protected with this technology guarantees that lightning will not strike, eliminating the high risk of fire and explosions, as well as the electromagnetic effects in the zone of impact.

GRUPO  
**mecsa**