

RAYOS-NO



dinnteco

SAFETY FOR YOUR TELECOMMUNICATION TOWERS

WITH THE LATEST IN TECHNOLOGICAL INNOVATION



YOUR PROTECTION SYSTEM IN TELECOMMUNICATIONS

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.

Currently installed in the main megastructures in the world, such as the NATO Communication Towers, the PEMEX Towers in the Gulf of Mexico, the Panama Canal, and a large number of communications towers, radars and aeolic towers around the world.



WE ALSO PROVIDE PROTECTION TO AEOLIC TOWERS



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RAYOS-NO



RAYOS-NO



LIGHTNING PROTECTION SPECIALISTS

TELECOMMUNICATION TOWERS

YOUR SAFETY IS OUR COMMITMENT

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 **DINNTECO, 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 OF 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 telecommunication towers, radars, and aeolic towers, through deionization of the air.



HIGH TECHNOLOGY
DEVICE AGAINST
LIGHTNING



SERVICES FOR THE TELECOM SECTOR

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).

We provide the latest in technological innovation for the protection against atmospheric discharges (lightning), one of the main causes of damage to telecommunication towers, representing millions of dollars in loss of equipment and infrastructure.

ANALYSIS PRIOR TO INSTALLATION

The normal process of analysis for high metal structures and, concretely, telecom towers, consists of a visit from an engineer or risk analyst, who presents a risk report aimed at defining the technical configuration for the installation of the **RAYOS-NO** system.

From the results obtained from the study performed during the field visits to the affected towers, a report is presented with the technical recommendations for prevention, prioritizing direct lightning protection to the tower and the proposal for improvements to the grounding systems, equipotentialization and protection against transient power surges, if necessary. This reduces damages to equipment as a result of lightning generated outside the coverage area.

The ultimate goal is to improve safety from electrical risks to workers at the facilities, reducing repair costs and minimizing communication shutdowns because of lightning.

AVOID LIGHTNING IMPACT ON TELECOMMUNICATION TOWERS



REASONS FOR PURCHASING THE RAYOS-NO SYSTEM

Prevention is everyone's responsibility.

During a lightning strike (on average, between 1,000 to 400,000 amps), current uses all metal structures as a conductor, traveling through them to dissipate into the ground. During a lightning strike, all exposed elements will be subjected to circulation of electrons or ionization and an increase in temperature, proportional to the intensity of the lightning and the time it takes the current to dissipate into the ground.

Traditional lightning protection systems (Franklin lightning rods or bait) are not adapted to withstand the repercussions of climatic change and the increase in electrical atmospheric activity. Consequently, the formation of storm clouds and lightning activity are increasingly more destructive.

Therefore, the **RAYOS-NO** Protection Systems, which inhibit the formation of lightning, is the only safe and adequate system for installation in telecom towers.



**YOUR SAFETY
IS OUR COMMITMENT**