

STOP lightning Damages



DINNTECO

Why just stop a lightning strike when you can prevent it?

We at **Dinnteco** have been PREVENTING LIGHTNING FROM STRIKING for over 20 years, safeguarding lives and all kinds of facilities on land and sea.

Paradoxical though it may seem, the only way to protect yourself from lightning until now was to attract it, to try to “dissipate” its energy to earth or move it away the place being protected.

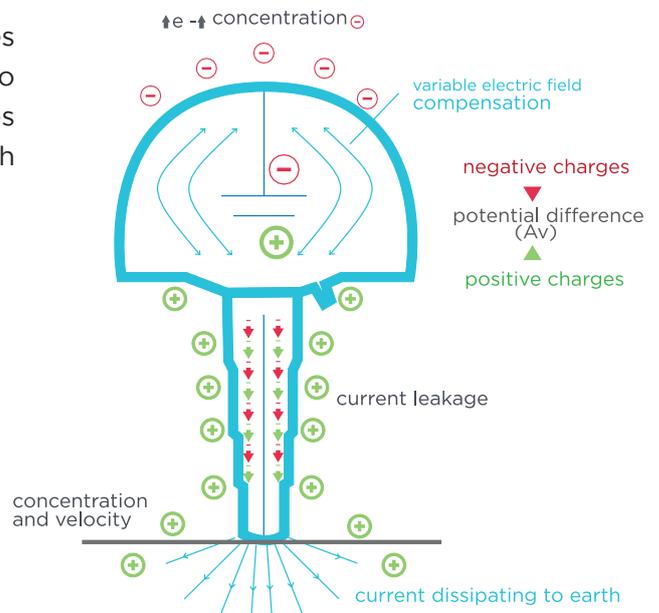
Wind turbines are **lightning attractors**. Traditional systems are ALL based on the same concept: dissipating lightning energy via conductors and the actual structure. **Damage from lightning will depend on the intensity of the strike, but will in no case be avoided.**

The cost of damage is millions of euros each year, and may even be a decisive factor when determining the location of wind farms.

Dinnteco is a system that acts by **PREVENTING** damage. The reduction in breakdowns, stoppages, and maintenance costs increases the comparative benefit.

The **DDCE** continuously compensates electrical charges in the environment by generating a direct current to earth. It acts as a ‘sink’, absorbing electrostatic charges from the environment and draining them to earth through a milliamper (mA) current flow.

	CONVENTIONAL	DINNTECO
Compensation of the electric field	IMMEDIATE	CONTINUOUS & VARIABLE
Ascending Tracer	YES	NO
Lightning Strike	YES	NO
Current leakage	VERY HIGH (3kA to 250kA)	VERY LOW (0.05 A to 3 A)



As a result, the structure does not become electrified, **preventing** the **formation** of **upward tracers**. Consequently, the downward tracer from the cloud cannot complete the circuit with the DDCE or the protected structure, thereby **PREVENTING** the risk of a lightning strike.

DINTECO PRODUCTS FOR THE MARINE INDUSTRY

DDCE CHEMICAL

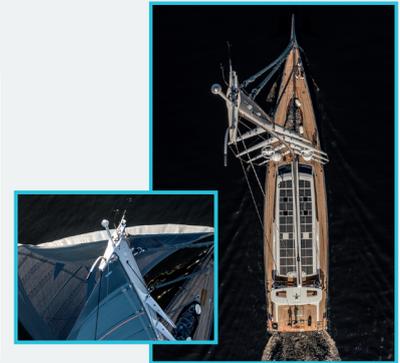
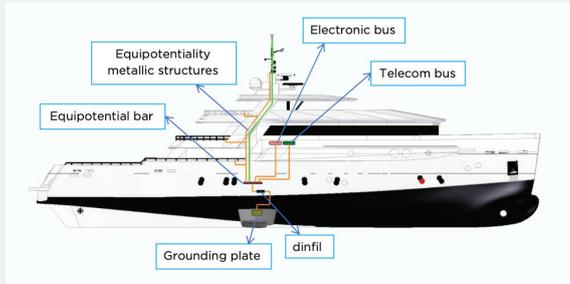


Maritime infrastructures, merchant ships, frigates, OFF SHORE.



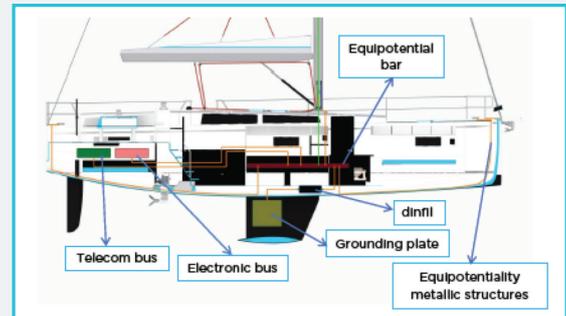
DDCE MARINE

Recreational & sailing boats.



DINFIL

At sea or in port areas, the DINFIL filter protects against overvoltages that may arrive by land or sea.



General detail of equipotential system.

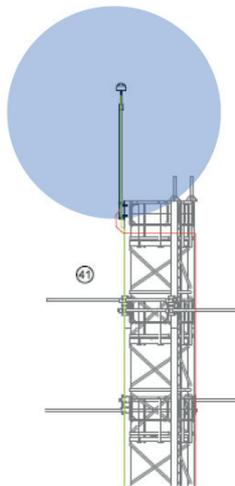
DINEOL

Wind turbines, or as an aesthetic solution for listed buildings.



Success STORIES

EAST ANGLIA 1 - OFFSHORE IBERDROLA (SCOTTISHPOWER RENEWABLES)



Dinnteco is up to date with the most demanding regulations.



These companies no longer have problems with lightning:



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