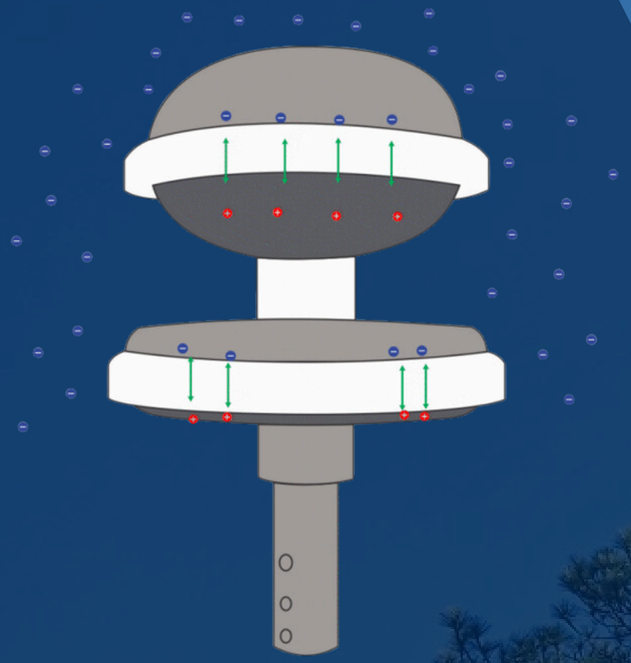
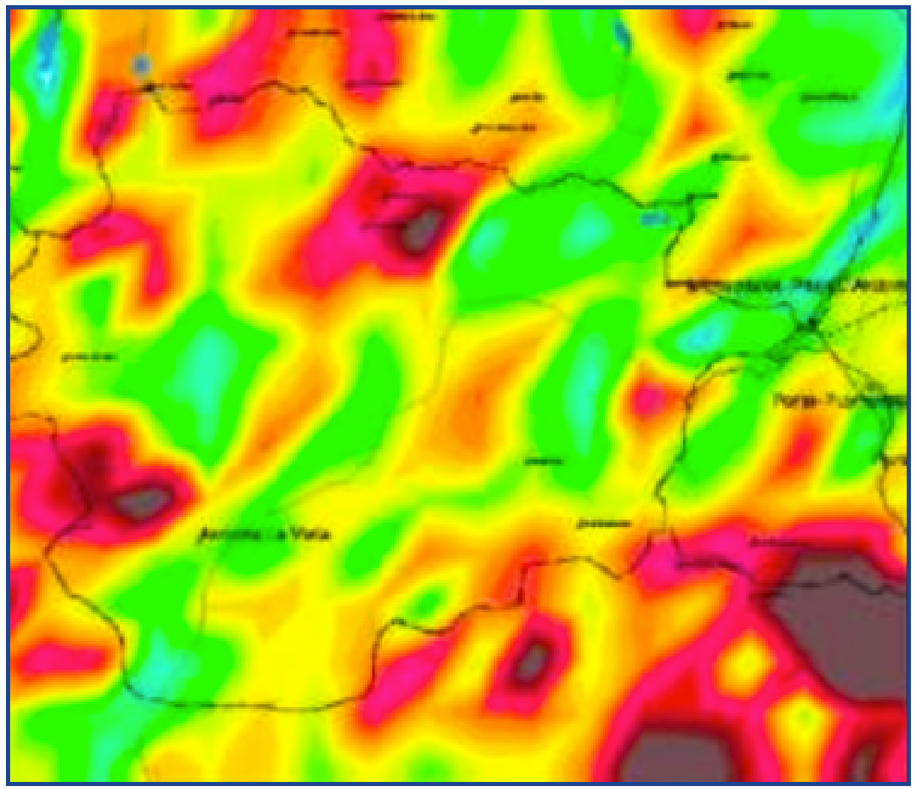
CMCE LIGHTNING SUPPRESSION



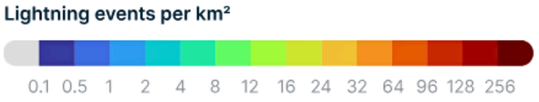
EMPIRICAL EVIDENCE

CASE STUDY 1

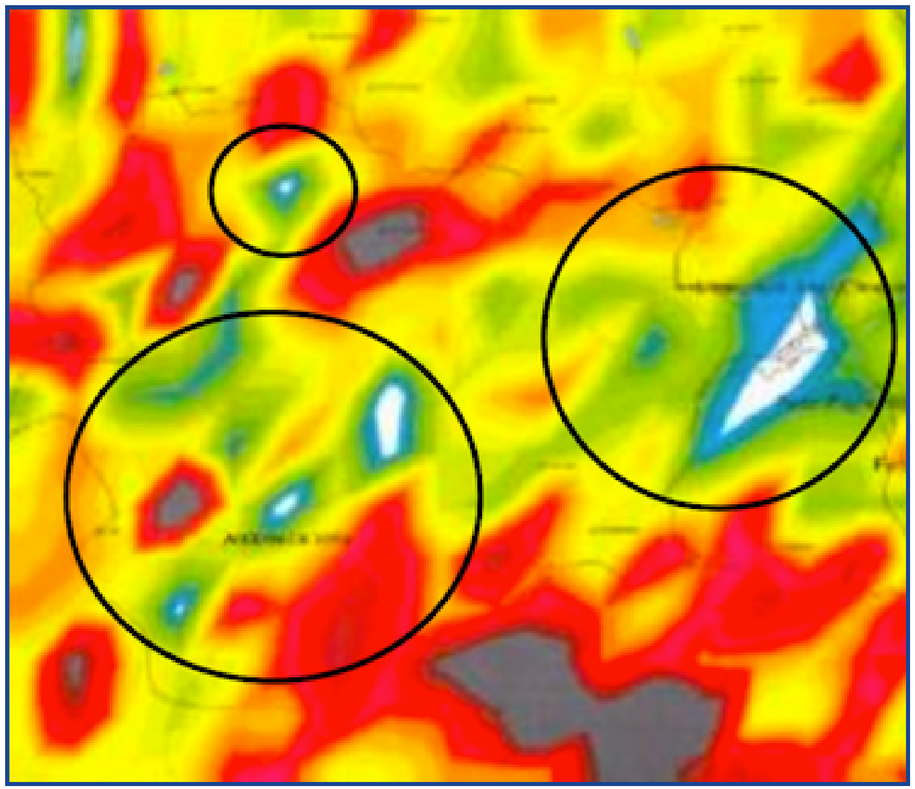
BEFORE



No Lightning Protection Installed



AFTER



CMCE Lightning Suppressors Installed

The lightning heat maps shown above are both of the same location. In the “After” heat map, the white areas within the black circles show where the installed CMCE Lightning Suppressors are draining the electrical charges from the atmosphere, effectively eliminating the possibility of lightning strike formation.

CASE STUDY 2

AES Panama

At AES Panama, a leading company in electricity generation through natural gas in Panama and in the Central American region, they are proud to share their success story in eliminating lightning-related problems. The plant, the first of its kind in liquefied natural gas in the region, is a testament to the company's commitment to innovation and operational excellence.

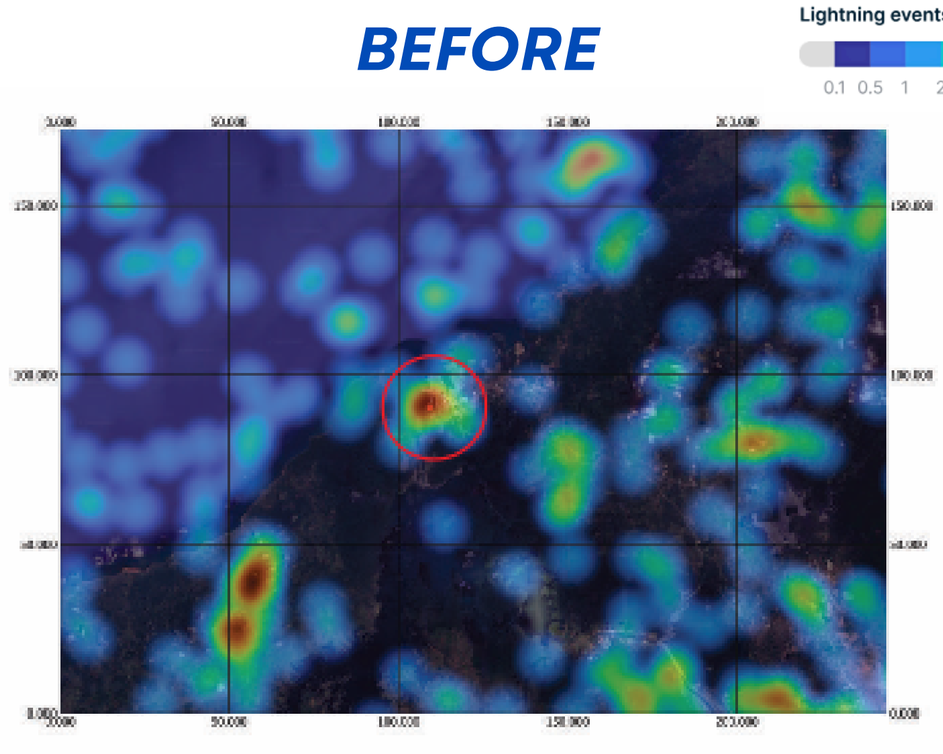
However, they faced a significant challenge: the plant's vulnerability to lightning storms in a high-impact area. Lightning strikes posed a significant threat to the safe operation of the plant, especially for lightning protection systems.

To address this issue, the advanced CMCE Lightning Suppressor system was presented as a comprehensive solution for lightning protection. After extensive research and testing in the company's laboratories, it became clear that the CMCE was the most reliable and effective option for protecting the plant and the dock facilities.

AES Panama

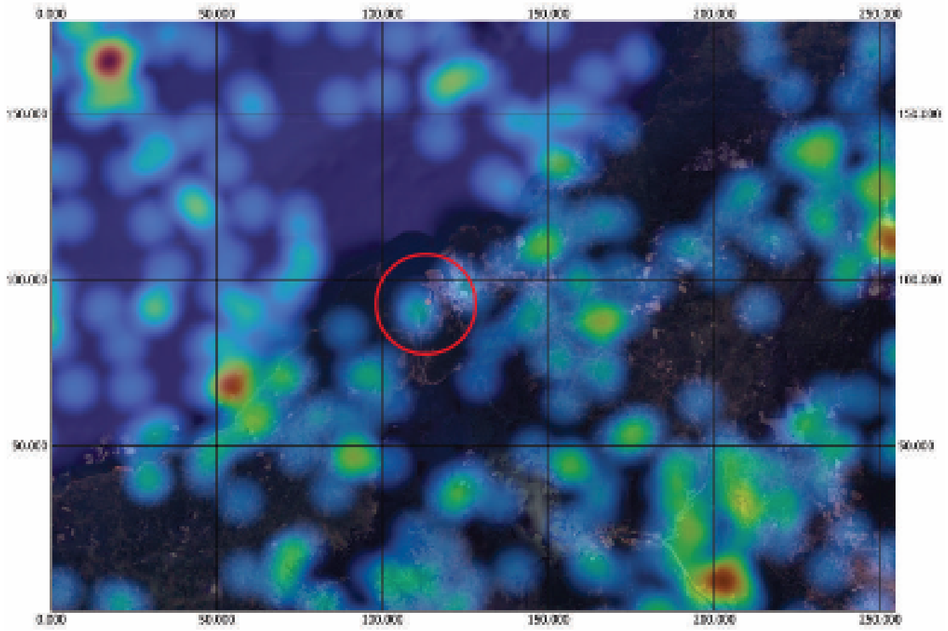
With the installation of 26 CMCE devices throughout the plant and the removal of over 120 existing Franklin lightning rods, lightning issues at the facility were reduced to ZERO. Four years after installation, it can be proudly stated that there has been a significant reduction in the number of lightning strikes impacting the plant, protecting electricity generation operations 100%.

BEFORE



The area within the red circle represents the plant zone before the installation of the CMCE Lightning Suppressor.

AFTER



The area enclosed in a circle represents the plant zone 4 years after the installation of the CMCE Lightning Suppressor.