



Confidential Washington, D.C. Museum

THE PROBLEM:

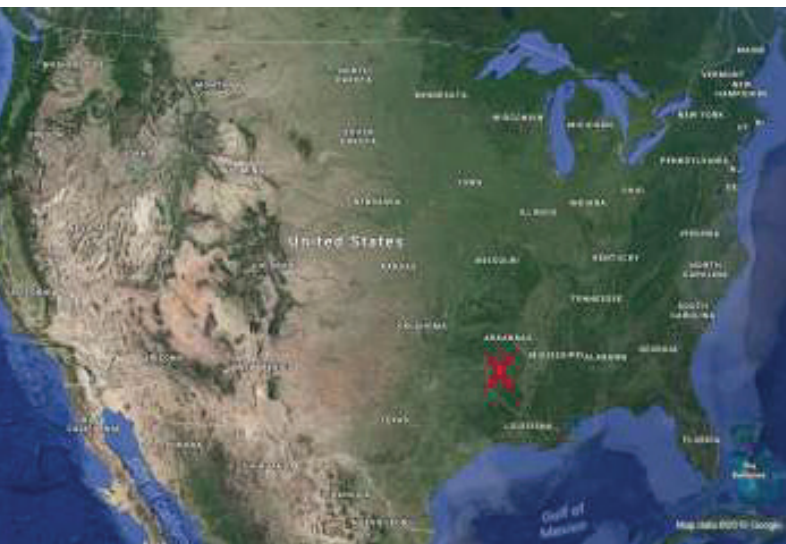
A confidential museum in Washington, D.C. tested its environment for harmful gases to see what could be potentially harming its artifacts. The results showed nitrogen dioxide (NO₂) and sulfur dioxide (SO₂) to be the main culprits testing at levels as high as 22.21 ppb and 1.68 ppb respectively. These levels of gases could cause irreversible damage to valuables in the museum over time. The client was familiar with gas phase filtration technology, so it chose three companies to participate in a study to see which products could best remove the gases with the winner of the study gaining the business of the museum.



THE SOLUTION:

PureAir's products, specifically some of their specialty blended medias, were tested against two competitors in this blinded 3rd party test. In the study, each company's media was put inside a separate air handling unit (AHU) and initial gas levels of the environment were measured. Air was filtered through each AHU and media for one month, and at the end of that time, gas levels were measured again for each environment.

PureAir performed significantly better than the competition, by lowering the level of NO₂ in its environment by 50% from 2.2 to 1.1 ppb. The next best competitor was only able to lower the gas by 33% of its initial reading. Impressed by the performance of its products, PureAir was chosen for the job, and the museum continues to rely on this solution today.



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