

Long-Term Ambient System Rental in Puerto Rico

Background

The US Navy used the small island of Vieques, off the coast of Puerto Rico, as a bombing range and training facility up until 2003. While the US Navy shipped out long ago, they are still responsible for cleaning up the contaminated areas of the island they left behind. A large consulting firm was hired to perform the clean up and ambient air monitoring.

The consultant was required to measure particulate and CO at three locations. Due to the challenging location, the need for auto calibration and remote access to the analyzers was critical. Meteorological data also needed to be integrated.

CleanAir's Approach

CleanAir designed an ambient air monitoring system using BAM 1020 particulate analyzers to measure PM2.5 and collect wind speed and wind direction data. Thermo 48iTLe analyzers were used to measure CO. All of the data were made remotely accessible using ESC data acquisition systems, which can be accessed via any Ethernet connection.

Results

The station ran with minimal down time for over 6 months. Timely phone support was provided and replacement parts and equipment were rapidly deployed, as needed.

Summary

Ambient air monitoring system for particulate, PM2.5, CO and Meteorological data with remotely supported via Ethernet.

