

Refinery Improves Safety & Saves Money Installing Wireless Gas Detectors for Plant Expansion Project

Overview

Many industrial process facilities are located adjacent to communities. Operators are required through regulation (i.e. EPA 325), to protect their assets and employees, as well as the surrounding community from gas leakage risks by identifying and mitigating hazardous air pollutants.

Challenge

A major O&G company purchased a tank farm that adjoined their refinery. The acquired asset did not have adequate fence line monitoring and needed to be brought into compliance. The time and cost to install traditional wired point detectors to do so, were not acceptable.



Solution

United Electric's revolutionary and first of its kind Vanguard WiHART Gas Detector allowed the company to meet the inspection deadline for compliance, but also capitalize on \$400,000.00 of savings, since the cost of the devices and labor for install was 1/5 that of the initial wired gas detection proposal. Taking advantage of its existing WiHART network, the company quickly and economically expanded their coverage of toxic and flammable assets. The ultimate payoff however, is protecting the health of the community living in close proximity.



Install completed in days, not months



Leveraged existing WiHART network



Realized savings of over \$400K