

Verifire Enhance Environmental Protection



BACKGROUND

For petrochemical industry, petrochemical plants are often exposed at semi-outdoor places. It's essential to have smoke detection for open-wide areas and towering spaces. Detected black smoke means an abnormal situation and will cause a penalty issue. When the smoke is detected by Verifire, relevant people will check smoke color in advance which will avoid penalty. PowerCCTV implement IVS technology to make Verifire become human's eyes through proactively analyze images

SOLUTION

A Taiwan petrochemical plant detects smoke with PowerCCTV NC3860vd. It Used 5-10mm lens and the installation distance is one kilometer from those chimneys. The cameras with housing were installed on the outside roof. When the smoke is detected, it'll be marked as a rectangle and the system will send a notification to let managers know the condition. PowerCCTV offers a total of eight Verifire cameras and one NVR for the petrochemical plant. It's the most economic solution to detect and verify smoke in open-wide environments.



NC3860VD



RN815P8-I

BENEFITS

- **High efficiency at outdoor spaces**

Verifire is the very first outdoor smoke detection system from a long distance, and it's especially use at towering areas.

- **Environmental protection**

Obviously, smoke does harm to the environment. The sooner the smoke is detected, the sooner people can deal with the waste smoke.

- **Remote control management**

Verifire, the smoke detection solution can able to turn off the alarming sound, indicate smoke and send picture messages with smart phones to concerned parties.

- **Customizable interfaces**

Verifire has on open API interface allowing customization by the 3rd party specialist developers.

