



Protection Technologies Incorporated



Protecting Utility Substations

Background

Electric utility substations require protection from economic, human and legal liability risk. With the ever increasing copper prices coupled with the low job percentage utility companies are at constant risk from all three threats.

The Challenge - Enhancing Video Monitoring w/Real Intruder Alarms (Not Everything Else)

Utility companies use video to perform daily operations, but, cannot rely on it alone to provide their security for them, especially if they are attempting to use the video motion built into the camera. The other three major types of technologies that are attempted for use in outdoor environments are passive/active infrared sensors, conventional dual-technology sensors and video analytics. All four technologies are great for Intruder Detection, but, not great for alerting the guard or monitoring company to look at the live video and see another nuisance alarm from them.

Our Solution – PROTECH's PIRAMID XL2 Outdoor Motion Sensor

The PIRAMID XL2 provides reliable security with the lowest nuisance alarm rate possible. Rain, sleet, snow, fog, ice or wind does not affect the PIRAMID XL2's performance or reliability. In addition, moving vegetation, blowing debris, swinging signs, vibration and randomly moving objects are filtered out by the PIRAMID XL2 sensor. The XL2 is also not affected by extreme temperatures as it has a very desirable operating temperature range of -30°F to 150°F. The XL2 is encased in a rugged weatherproof IP65 metal housing that shields the unit from RFI/EMI interference, rain, snow, wind and sun loading. Add in the fact that the sensor has 'Enhanced Bird/Animal Immunity Control' and you have a sensor that is virtually nuisance-alarm-free!

The Outcome

"Using the PIRAMID XL2 outdoor motion sensors to alert the guards monitoring the video wall has enabled the utility company to use their guards more efficiently and effectively because virtually the only alarms they see are real intruder alarms," says Dan Tullis, staff engineer for TNT Solutions.