

Increase the value of substation visual monitoring

PowerGUARD is a software solution for electric utilities that automates the detection of substation security, safety and equipment condition issues. The software analyzes streaming video from substation cameras and when detections occur it sends alerts and displays details in the PowerGUARD software in near real-time.



Increased substation security



Improved worker safety



Earlier awareness of equipment issues



Cost savings for reduced truck rolls

ALERT ID SELECTED: 0ee9e55b-5785-4dc6-8aa1-7c99ce5a2abc

Site ID	Camera ID	Alert ID	Alert Created (EST)	Alert Reported (EST)	Alert Type	Detection Type	View Alert	Actions
	CEC_Camera_11	0ee9e55b-5785-4dc6-8aa1-7c99ce5a2abc	12/16/2024 11:34 AM	12/16/2024 11:34 AM	Equipment Alert	Animal		
	CEC Camera 11	d1c50b53-f70f-4438-85ab-b995a81fe6f7	12/16/2024 10:44 AM	12/16/2024 10:44 AM	Equipment Alert	Smoke		

Flexible deployment

PowerGUARD integrates with existing substation cameras or new cameras as a turn-key solution, and can be deployed in the cloud or on-premise.

Tuned AI detections

PowerGUARD includes tuned AI detections for unauthorized vehicles, safety issues, animal intrusions, thermal overheating, fire, smoke and other visible equipment anomalies.

Near real-time alerting

When detections occur, PowerGUARD alerts via email and text and visualizes details in the software interface in near real-time

PowerGUARD automates the analysis of substation video to accurately detect more threats while freeing up utility resources.

Increased security - PowerGUARD helps security teams gain full awareness of unauthorized events including intrusions from vehicles, people, and animals. With this knowledge utilities can reduce risk of theft, vandalism and future attacks.

Improved safety - PowerGUARD alerts emergency personnel to injuries and critical events sooner, enabling faster response. It also identifies the need for additional PPE training to reduce risk of injuries.

Reduced outages - With PowerGUARD substation engineers can react faster to high energy events including arc flashing, fire and smoke. By identifying equipment anomalies and thermal overloading engineers can take actions to preempt outages.

PowerGUARD Workflow:

