

Critical infrastructure

Guarding Our Vital Assets while Preventing
vandalism and attacks with AI



- ▶ Open platform
- ▶ Integrates with any IP camera and VMS
- ▶ On-prem & cloud deployment

Protecting buildings, people and assets

Critical infrastructure sites are prone to sabotage and intentional damage, making security even more important. Providing security to energy stations, bridges, solar and wind parks, pipelines, and country borders are challenging due to harsh outdoor environments.

IRIS+ are built to secure the widest possible security areas with the minimum amount of cameras reducing the total cost of ownership (TCO).

Area	Concern	Solution
Intrusion Detection	Unauthorized individuals or vehicles entering restricted areas of critical infrastructure.	IRIS+ intelligent video analytics such as Stopped vehicle for automated traffic monitoring, congestion detection, and anomaly identification enhances operational efficiency and safety.
Suspicious Behaviour	Individuals within critical infrastructure sites displaying unusual patterns or behaviors.	The advanced AI can analyze the behavior of individuals within critical infrastructure sites and flag, for example, loitering near sensitive areas, attempting to tamper with equipment, or engaging in suspicious activities, for further investigation.
Perimeter Protection	Suspicious activity, such as loitering or attempts to breach fences or barriers.	Advanced algorithms can differentiate between normal environmental changes and potential threats, minimizing false alarms while maximizing detection accuracy.
Real-time Alerts	Missing signs of issues before they become serious incidents.	Detect potential maintenance issues before they escalate into safety hazards or disruptions.
Emergency Management	Ineffective responses to emergencies with slow deployment, erratic coordination and mismanaged resources.	IRIS+ realtime analytics can be integrated to an emergency response systems to enable rapid coordination and deployment of resources in response to security incidents, accidents, or natural disasters.
Investigation	Many hours of materials to review in order to secure footage of incidents.	IRIS+ Investigation will help you pinpoint when an incident took place and also play a crucial role in post-incident analysis and forensics by providing detailed insights along with footage of events.

Customer story

Parque Seixal solar park in Southern Europe

Challenge

Large equipment value spread across a wide area to protect. Incidents with theft, vandalism and fires caused costly power outages. Additionally, the high voltage on-site caused safety issues for personnel.

Solution

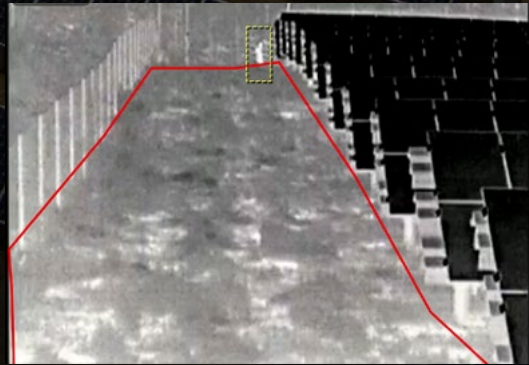
IRIS™ added to all existing cameras.

Result

Multiple thefts avoided and no more power outages due to vandalism or flames. 99.99% of real time footage filtered out and no hardware equipment needed



New smart zoning and superior object classification make sure that only humans and no animals generate alarms.



Detection of an intruder on the site caught on 250 meter distance.