

CASE STUDY: POWER

SOLAR POWER PLANT



This 10-acre solar power plant in the USA features 4,620 sun-tracking solar panels and represents an investment of over \$10 million.



This solar power plant generates about 2.4 million kilowatt-hours (kWh) of clean, renewable energy a year. With 4,620 solar panels protect and each solar panel worth thousands of dollars, the risk of theft was very real.

Requirements

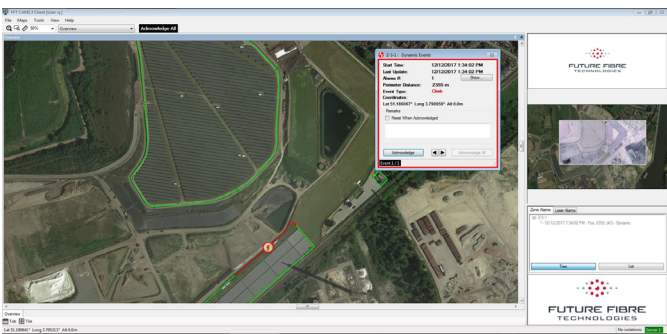
The client required a reliable zone-based perimeter intrusion detection system to protect against solar panel theft and vandalism, yet able to survive the extreme conditions with minimal maintenance or support.

A robust and durable intrusion detection system capable of clearly identifying intrusions from the environmental background signals, as well as providing continuous operation with maximum availability under desert operating conditions was required.

A highly reliable zone-based perimeter intrusion detection system was specified to protect this site. It had to tolerate extreme UV levels, high ambient temperatures, and be fibre optic based so it was unaffected by the strong electromagnetic fields present.

Our Solution

The client selected FFT Secure Zone™ system for all of these reasons, plus its ease and low cost of installation; no power or electronics required in the field; proven performance in similar harsh conditions; reduction of nuisance alarms through advanced signal processing; and FFT's local support capability.



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