

# Solar Farm – South of England

Success Story: Perimeter Security for Two New Solar Sites

## Client

A UK specialist in solar energy systems, development, and performance monitoring.

## The Technology

- 89 DFUSION analytics licences
- 25 FLIR FB-Series thermal cameras
- 2 Vaxtor ANPR cameras

## The Challenge

Two new solar farms required reliable long-range perimeter protection with minimal camera infrastructure. Wildlife, new tree planting, and nearby public pathways created a high risk of false alarms. The client also needed secure vehicle access control to prevent theft, especially with roads close to the sites.

## The Solution

Bi3 delivered a combined system using Davantis DFUSION video analytics and FLIR thermal cameras for accurate long-range detection and reduced false alarms.

Vaxtor ANPR was installed at both entrances to automatically check vehicles against an approved whitelist and alert the monitoring station when unrecognised plates appeared.

## Results & Benefits

- Accurate detection with minimal false alarms.
- Reduced number of cameras needed thanks to FLIR's long-range capability.
- Streamlined installation and configuration through DFUSION analytics.
- Lower operational costs and fewer unnecessary call-outs.
- Real-time alerts and strong operator confidence.
- Long-life, low-maintenance system suitable for large solar sites.

### Integrator



The specific end user has been omitted for security reasons.