

FFT Secure Fence™ Case Study – USA Petrochemical Plant

Protection of critical infrastructures such as energy facilities, refineries and petrochemical plants to safeguard energy supply and to protect surrounding areas from potential damage is a hot topic for the US Government.

This particular site was designated as critical infrastructure by the local government due to the importance of its product and potential appeal of the site to terrorist activity. The client required a high level security system including perimeter protection, closed circuit TV surveillance, access control, lighting control and incident recording.



The refinery is located on an exposed headland so required a robust, durable intrusion detection system capable of withstanding the high winds, driving rain and salt spray without generating nuisance alarms.

Critical aspects of this installation included:

- Protecting the entire site with a single system
- Pinpointing the precise location of an intrusion
- Intrinsically safe - no power allowed in the field
- Immune to RFI/EMI and lightning
- No environmental nuisance alarms
- The flexibility of setting zone lengths in software
- Ease of installation
- Ability to integrate with and control CCTV and lighting systems



After a thorough global investigation of all available technologies, the FFT Secure Fence™ system was chosen to protect the site's perimeter.

The use of FFT's Secure Fence™ and the FFT CAMS™ graphical user interface to protect this petrochemical plant has given peace of mind to both the company concerned and the U.S. Government, by providing state of the art perimeter intrusion detection and monitoring.

After installation and commissioning, the consulting engineers stated: *"The excellent support from OEM suppliers contributed to the overall success of the project and I would have no hesitation in recommending the FFT Secure Fence solution for future projects."*