

CASE STUDY: TRANSPORT

ANTALYA AIRPORT, TURKEY



Antalya Airport is an international airport located 13km (8.1 miles) northeast of the city centre of Antalya, Turkey. It handles approximately 19 million passengers per year - making it the third-busiest airport in Turkey and the thirtieth busiest in Europe. Due to the airport's significance, Turkey's Aviation Authority set a precedent for the site in terms of security design and, following successful installation, extended this approach to the airports across Turkey.

Background

The 20km airport perimeter is protected by integrated technologies including Radar system, CCTV system and an FFT Aura Ai-2 buried intrusion detection system. Designed to detect intruders before they reach airport perimeter fences, all systems have been deployed based on terrain conditions and risk assessments as a complete security solution.

Our Solution

Single FFT Aura Ai-2 controller and FFT CAMS with high level software integration to Havelsan Security Management Software that is also integrated with both Radar system and CCTV system.

Requirements

Covert buried solution with detection based on software zones:

- Sensor cable is laid below ground with a proprietary FFT pattern.
- No power or electronics used in the field.
- Two sensor cables which running in different directions connected to the controller which is located at the airport data centre.
- Detection zones formed within FFT CAMS where alarm information is forwarded to the camera control system.
- Cameras are directed to the zones based on the location of the intrusion alarms. Detects walking, crawling, digging and vehicles.



FFT Advantages

FFT's perimeter intrusion detection system provides a high probability of detecting illegal entry into the airport using advanced detection technics and Artificial Intelligence. The use of fiber optic intrusion detection also significantly reduces the risk of any attempt to cut the cable. Fiber optic detection provides proven operation while effectively avoiding nuisance alarms associated with aircraft noise and movement. FFT's fiber optic sensors are immune to lightning strikes and electro-magnetic interference. With no power or electronics required in the field, FFT fiber optics sensors are also highly reliable and resistant to coastal weather and salt spray corrosion.



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