

CASE STUDY

ISD-Tech

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CASE STUDY

Service Sector: Integrated Perimeter Detection System (Technology)

Client: High Tech Data Centre, South England

ISD-Tech has recently completed an integrated perimeter detection system for a large corporate client. This site is one of the most high tech data centres in the UK and provides secure data storage for business critical data and is crucial to the clients operation.

The Brief

The client's brief was to provide a secure perimeter and detection system to detect people and vehicles moving close to the defined perimeter of the site and provide early warning detection and notification to the onsite security team of any unauthorised movements or intruders.

The System

The final design for this project delivered a radar solution combining five ground radar units along with integration and control of ten external PTZ cameras.

The radars were installed to provide combined coverage around the perimeter of the site and designed to provide an overlap from each radar to allow for some of the challenges that our team faced, including the different topography and terrain of the perimeter ground to be protected.

The overall system components that were delivered for this project included the design, installation and commissioning of a dedicated multi-mode fibre optic network between the five radar locations, the central server and the remote control room workstation.

Operation

The finished system provides millimetre detection for the complete perimeter of the site with individual detection zones for each radar and real time tracking of intruders via the CCTV cameras.

When an intruder is detected, an audible notification will be received by the operator and the relevant camera which is assigned to the radar which has detected the intruder, will track them and provide the operator with a live image of the intruder which will stay with them as they move around the site. This has proved to be very practical and has helped streamline the security monitoring of the site.

Our client is extremely pleased with the finished solution and we are currently working with our client to deploy this solution to several other locations.