



2020VISION
TECHNOLOGY

CASE STUDY CLOSE UP VALLEY WATCH Remote Monitoring

BACKGROUND

Due to the success of the Team Valley CCTV scheme implemented by 2020 Vision on behalf of Valleywatch and to capitalize on the state of the art control room, Valleywatch decided to offer their CCTV monitoring services nationally using Fastscan transmission technology.

THE CHALLENGE

To equip the control room with a fully integrated, remote transmission system which would be able to receive video images, alarms and audio links from sites all around the UK using a variety of Fastscan transmission links.

THE SOLUTION

2020 Vision initially installed two Adpro Fastscan Transceivers which have since been increased to six due to the number of remote sites being monitored.

The units are fully integrated into the Max 1000 Video Management System allowing Security Staff seamless operation of both the proactive site wide system and remote monitored sites.

The remote site installations consist of a number of fixed and functional PTZ cameras linked to alarm sensors. Dependent on the risk, these vary from buried wire (high risk) to active and passive Infra red detectors, external lighting and a voice broadcast system.

Upon activation of an alarm sensor the appropriate camera is called up and the images transmitted to the control room, typically in 2/3 seconds over ISDN lines. The alarm images are presented to the CCTV operator in quad format, three in snapshot frames recorded immediately after activation and a live video image from the camera.

The snap shot images allow verification of the cause of alarm whilst the live image allows the operator to see what's happening on site.

Simultaneously, on site floodlighting is activated, the video images are recorded in 'real time' for subsequent post incident investigation and moveable cameras are sent to preset views. A voice channel is also activated enabling security to encourage miscreants to leave site as they are they are being watched on CCTV.

THE BENEFITS

2020 Vision has installed remotely monitored CCTV for a variety of clients including Laing O'Rourke. They have found that remote monitoring:

- Reduces the risk of crime and minimizes criminal damage.
- Can be effective on most sites with a defined perimeter boundary.
- More cost effective than manned guarding.
- Ability to remotely control peripheral devices such as barriers and gates etc.

