

# ASFOM Selected for Airport Security System

ASFOM provides future-proof transmission



## Background

A recent airport project that KBC was involved with required transmission for a security system that included thousands of cameras and countless access control and intruder detection systems distributed between numerous buildings spread over a huge area.

Airport staff needed a way to monitor, man and control the security systems on a 24/7 basis to allow the various agencies to be able to share information seamlessly. And, with growth in air travel expected to soar over the next 30 years and beyond, it needed to be designed to keep pace with future expansion plans.

## The Challenge

The project required connectivity over two fibres in a mission-critical situation to connect a centrally monitored system that uses multiple 'tie lines' with RS422, RS485 and RS232 data, and an IP connection to allow access from central control to the digital video recorders. The transmission was also required to carry the access control data and, in some cases, building management data. In addition, with each site within the airport having its own cross-point matrix switch, a control room and locally installed digital video recorders, the transmission system needed to be capable of handling broadcast quality video.

To add to the challenge, the airport's communication and security managers were facing an all-too familiar problem of adding new services and extending the system, on existing infrastructure which was already under pressure through cable routes that were already heavily oversubscribed.

## The Solution

Because of the requirement for future expansion and the restrictions faced, KBC ASFOM (Application Specific Fibre Optic Modem) equipment was installed. This gave the client the flexibility to configure the units exactly to the specification whilst allowing room for growth. The ASFOM solution has allowed multiple channels of real-time, high-quality video; uncompressed video; 100Mbps IP and a number of data channels (for access control, CCTV control and remote control) to be directly connected allowing the minimum of fibre to be used.

## Outcome

In the months following the installation, the client reports that the system has operated flawlessly and, as predicted, has continued to expand.



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