



Safe is a wonderful feeling at Birmingham Airport



Overview

Vertical Market:

Airport

Reference Site:

Birmingham International Airport, Birmingham, United Kingdom

Partner:

ATEC Fire & Security

End User:

Birmingham International Airport, Birmingham, United Kingdom

Technology Features:

ACF+, H.264, Distributed Network Architecture, Ultra 5K, Ultra 2K, NVR-AS 3000, NVR-AS 4000, 9000 Encoders

Background

Aim of the project was to streamline processes, bring greater efficiency and upgrade the existing analogue system to IP. With six existing distributed control rooms the intention was to consolidate them into one centralised Control Centre. Identifying the need for situational awareness, communication and improved visibility it became clear that an open system with the ability to integrate multiple systems was required for Birmingham Airport's security upgrade.

Solution

Working alongside IndigoVision, ATEC Fire & Security designed a new fully integrated and centralised Airport Control Centre. The initial £1.4 million investment was returned within nine months, achieved as a result of IndigoVision Control Center's built in counter flow analytics, consolidated resources, and improved playback functionality resulting in a downturn in accidents. The existing 260 analogue camera system monitored over six distributed control rooms were centralised to one Airport Control Centre and upgraded IP through the use of IndigoVision's 9000 encoders. Since the initial install Birmingham Airport has expanded to over 650 cameras, employing four generations of IndigoVision products including the Ultra 2K and Ultra 5K cameras. Control Center's open platform enabled the integration of multiple on site alarm systems including access control and built-in counter flow analytics. ATEC's Guardlink utilises Control Center to send and receive alarm input and output commands for fire detection, environmental monitoring, baggage screening, perimeter detection and baggage detection; culminating in over 8000 alarm inputs being managed from the one centralised Airport Control Centre. Streamlined processes, increased efficiency and enhanced safety achieved for Birmingham Airport.

Benefits



IndigoVision's unique Distributed Network Architecture increases reliability and resilience with no single point of failure.



IndigoVision's ACF & ACF+, bandwidth management reducing storage costs.



Analytics algorithms bring significant benefits in both live-monitored and incident review operations



IndigoVision's ONVIF compatibility allows quick and easy installation.



SMART.core™ Technology means that there is reduced latency when tracking objects.



MARTIN SUTCLIFFE, AIRPORT CONTROL CENTER MANAGER
BIRMINGHAM AIRPORT

“IndigoVision’s digital recording platform, Control Center, was so powerful and quick, easily plugging into our existing architecture.”