

# KBC Wireless Delivers Low Impact Transmission

Major Cultural Site Safety & Security System



## Background

With millions visiting each year, a major cultural site has an obligation to keep watch over visitors to ensure their safety and security. KBC Networks provided a secure transmission system that enabled the installer to deliver a surveillance system with minimal intrusion.

## The Challenge

The site had some available fibre but with cameras planned throughout the area, video signals needed to be brought back to the fibre from a number of surveillance points. The transmission system was required to be sensitive to the environment and its installation needed to create the minimum of disturbance.

## The Solution

With no groundworks allowed, a wireless transmission system was chosen to provide the links from the cameras back to the fibre.

KBC designed a system of 10 separate stations to gather the signals from over 50 cameras. From each camera, the video signals are sent wirelessly via a point-to-point link to one of the 10 nodes. From each node point, a switch combines the signals and a media converter connects the video signal to the fibre so that it can be sent back to the control room over 10km away.

## Installing the System

To make installation as fast and straightforward as possible, every link was pre-configured (setting the frequency and SSIDs) and labelled with the location and gantry point.

Once on-site, all the installer needed to do was mount each unit and then connect power and the video. Each client unit then linked automatically to its host without further commissioning.

## Outcome

The surveillance system was successfully installed and is fully operational. With each link pre-configured, installation was simple and fast. Today the system discretely keeps watch over visitors to ensure their safety and security.



# Multiple, Point-to-Point Wireless System

