

Devon County Council, UK

Enabling fast and accurate decisions



“The Barco video wall display allows us to easily adapt to future developments.”

The Highway Operations Control Center (HOCC) has been established to enable the Devon County Council to provide an effective operational response to the demands of the Traffic Management Act 2004 and its other legal responsibilities. Forming an integral part of the Traffic Manager's Unit (TMU), The HOCC operates 24 hours a day, seven days a week. Its main purpose is to deal with dangers and obstructions on the highway and to keep traffic moving. To that purpose, the network is monitored by means of Intelligent Traffic Systems, which supply information from the police and public. In addition, the network is managed to ensure road works are co-ordinated and carried out safely, and disruption due to the weather and other incidents is minimized. Finally, the traveling public needs to be informed about the state of the network, via the internet or other media.

BARCO

Visibly yours



The HOCC contains an array of state-of-the-art technology which allows information to be gathered from across the country's highway network and be presented to the control center staff. Barco's display wall brings all information together:

- Weather information and satellite images from 35 county council owned roadside weather stations.
- Closed circuit television from over 40 locations across the county
- Webcam images from a further 30 locations
- Real-time traffic flow information, including speed and volume
- Real-time journey times (from automatic number plate recognition cameras) at over 60 locations
- Urban traffic control systems indicating congestion in the conurbations and monitoring for faults
- Telephone reports of incidents affecting the network, including diesel and oil spills, collisions, fallen trees, flooding, landslides, snow, ice traffic signal failures etc.
- Warnings from professional partners on severe weather or flood.

Before selecting Barco's display wall technology, Chris Cranston, Operations and Communications Manager for Devon County Council, explored all the options including, front and rear projection, CRT monitors and LCD solutions. Everything was considered in the selection process: life costs, ergonomics, flexibility, and image quality. It was after a full review of these factors that the Barco solution was selected as the best of all available options.

Chris Cranston stated: "one of the main benefits of the Barco display was that it enables us to quickly and easily change the layout as required. By being so flexible the operator is able to react quickly to emergencies and make fast and accurate decisions as they have a good overview of the whole situation in one place."

With the ability to visualize the state of the complete network, the control center staff are trained to respond in a quick and efficient manner. They are able to contact council staff to deal with incidents, as well as the emergency services, environment agency and the adjoining councils and highways agencies.

Full use is made of the Intelligent Traffic Systems to assist in the management of traffic. This includes changing the timing of traffic signals using the Urban Traffic Control computer, setting variable message signs to warn of delays and changing priorities as necessary.



Ref. no. R599015SSTE0308R000

Barco is an ISO 9001 registered company.
The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.
© July 2007 by Barco

Barco - Belgium
President Kennedypark 35, 8500 Kortrijk
Phone (32) (56) 262031
E-mail sales.controlrooms@barco.com

Germany Phone (49) (721) 6201-0
USA Phone (1) (678) 475-8000
Brazil Phone (55) (11) 3842-1656
Japan Phone (81) (3) 5762-8720
Hong Kong Phone (852) 2397-0752

BARCO

Visibly yours