



Project Property

Brighton & Hove Bus and Coach Co. Ltd. Bus Priority, Information and Management System

“Since the introduction of real-time passenger information in 2001 the Brighton & Hove Bus & Coach Company Ltd. has been able to manage the fleet and provide information to the public in ways never before possible.”

Mike Best, Operations Director, Brighton & Hove Bus and Coach Company Ltd.

Brighton & Hove Bus Company operates along England's southeast coast. In partnership with Brighton & Hove City Council the system was introduced in 2001. This was then expanded further by the sharing of the radio and server infrastructure with East Sussex County Council opening it up to other operators in an expanded area. Currently there are 150 real-time bus information signs (known as SmartInfo displays), with a constant growth in numbers. Recently all the IBIS2 equipment in Brighton & Hove has been replaced with IBIS Plus. Passengers really appreciate the real time signs at stops as well as the next stop display signs inside the vehicles. Passenger numbers have increased by around 5 percent year on year since the introduction of the system. Frequent use is made of the online real-time information service and the SMS service provided. The system has become an almost indispensable feature in the Brighton & Hove area.

The functionalities

- _ Automatic vehicle location and control system type VICOS-LIO
- _ Analogue radio system quasi synchronous radio, VoIP for voice radio
- _ Latest generation of on-board computers IBISplus
- _ GPS Positioning
- _ Geographic information system (GIS)
- _ Passenger information system (SmartInfo)
- _ Data supply VICOS-LIO-Data
- _ Traffic light preemption

- _ Loading the vehicles with software and data using WLAN (wireless LAN)
- _ ISAS2 statistics
- _ VICOS-LIO internet service VLIS
- _ Multi-agency operation with East Sussex County Council

The system at a glance

Control centre

- _ 3 dispatcher workstations, 7 info stations, 2 IT and statistics workstations

Radio system

- _ 2 voice channels, 1 data channel, 5 base stations

Vehicles

- _ 270 buses

Dynamic passenger information

- _ 150 SmartInfos, controlled by analogue radio

Depots

- _ Altogether 3 depots equipped with WLAN

Software interfaces to third-party components

- _ Omnibus planning programme, Real-time passenger information system VDV454 (SIRI), Multi-agency operation

Brighton & Hove Bus and Coach Company Ltd.

Around 1,000 employees work for Brighton & Hove Bus and Coach Company Ltd. With their 270 vehicles they carry over 40 million passengers every year. The vehicles operate on more than 50 routes and cover over 2,000 stops.