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Radio Catalogue

Client: Tabor Science College **Location:** Essex
Solution: Motorola Digital System

Business Needs

Tabor Science College in Braintree, Essex approached Brentwood Communications to help them implement a radio solution for their internal and external communications within the college.

It was imperative that a "teachers on call" facility was incorporated into the system in the event of an emergency where additional members of staff needed to be contacted. In addition to this facility total coverage was needed so the radios could be used at lunch times and break times outside the college. The radios also had to be robust enough to be used externally for sports events throughout the year.

The reliability of the communications was paramount and it was necessary to have encrypted technology to ensure there was no eavesdropping into radio conversations. As a standard function the staff also needed to be able to send preset text messages to other users, as well as having the option of making and receiving group and individual calls. Maintaining the safety of staff and students was imperative therefore reliability, ease of use and coverage was important throughout the college.

Environment: Home Counties

Radios to be used inside and outside. Temperatures range between -10c degrees to +40c. Weather conditions include strong wind and heavy rain.

Noise Levels: Medium

Users: 20+

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EDUCATION CASE STUDY

MOTOTRBO DP3400

- Digital technology
- Enhanced audio
- Increased range
- Encrypted system

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Solution overview

Ensuring all the clients requirements were met a digital radio system was the best match for the college.

With encryption technology the college could be sure no eavesdropping would occur and conversations were secure. Along with group calling, individual calling and the "all call" facility the "teachers on call" function could be used in the event of additional members of staff being needed.

A digital radio system would provide robust and waterproof radios which could be used in all weathers outside the college - a perfect solution for their annual sporting events. The superior coverage and audio quality was an added benefit to the client looking for a professional and cost effective radio system.

We chose the Motorola DP3400 Digital hand portable radios because of their robust build and features such as individual calling, lone worker and encryption technology.

System Benefits

- 100% Radio Coverage
- Private Calls
- Group Calls
- Emergency Calls
- Text Messaging (Status or Free Text Messaging)
- Encrypted Secure Communications
- Robust, Rugged Equipment
- Noise Cancelling Radios (removes all background noise except speech)
- Waterproof Hand Portable Radios

Main System Equipment

- Motorola DP3400 Hand Portable Radio
- Motorola Impress Chargers



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