

TWO WAY RADIO SOLUTIONS WITH GPS TRACKING

## Brentwood communications Ltd

### Agency said...

"This system is exactly what we needed, Brentwood listened to us and we are delighted"

### Receive up to £40 OFF per radio

when part exchanging against MOTOTRBO's.

Call us now on:  
**0800 0747 312**

### FREE Catalogue

Request our FREE Radio Catalogue



## Business Needs

A Government Agency approached Brentwood Communications when they required a Secure Encrypted Radio System with GPS for Hand Portable and Vehicles that provided coverage throughout a major capital city.

The Agency Office needed to know where the Radio Users were at all times. The application required robust equipment for its environment.

### Environment: major capital City

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 to high

Users: 30+

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## GOVERNMENT &amp; SECURITY CASE STUDIES

## MOTOTRBO

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

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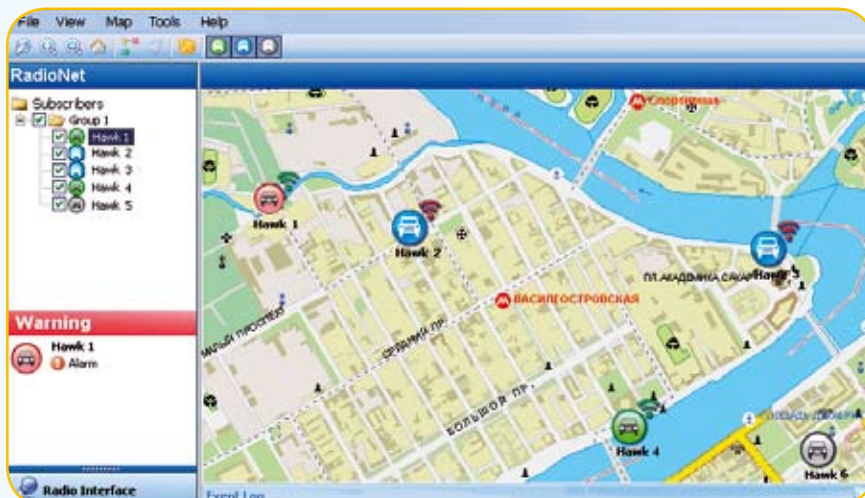


## Dispatcher Features

- GPS On Screen Location of all Radio Users
- Automatic Registration Service (Show's if Radios are turned on or off)
- Private and Group Calls
- Call Logging
- Call Recording
- Kill / Stun Radio
- Revive Radio
- Remote Monitoring of Radios

## System Benefits

- 100% Radio Coverage
- 100% outside GPS 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



## Solution overview

We considered all the requirements from the Agency and designed a GPS Radio System using Digital MOTOTRBO Radio Equipment from Motorola and a PC Based Dispatcher system for the office so they could see the exact location of all radio users and could speak to them instantly. We chose the DP3401 GPS Hand Portable and DR3401 GPS Vehicle Mobile because of their Robustness and added features like Private, Group and Emergency Calling.

The Dispatcher Software time logs every call made whether it be Group, Individual, Text Message or Emergency and can also voice record all calls made. It is also able to kill a stolen or lost radio and revive it if found.

We arranged all licensing for the GPS software and programmed all equipment to Agency requirements.

## Main System Equipment

- PC GPS Dispatcher and Software
- Motorola DM3000 Repeaters
- Motorola DR3600
- DeskTop Base Station
- Motorola DM3401 Vehicle
- Radios - GPS Version
- Motorola DP3401 Hand Portable Radios - GPS Version
- Base Station Antennas



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