

Bexleyheath Town Centre Shop Watch LTE Radio Case Study

Bexleyheath Town Centre Shop Watch Scheme were seeking a new radio communications solution due to coverage issues they were experiencing with their current system.

Geographically from point to point, the town centre covers approximately one mile with the Broadway Shopping Centre being at the hub and the high street running parallel to it.

They already had a digital UHF two-way radio system with repeater infrastructure in place. However, due to large buildings being constructed in recent years within the town centre, it was found over time that many blackspots began to appear. Thus leaving the furthest stores 'out on a limb' and unable to receive radio coverage at all.

It was quickly ascertained that a conventional digital two-way radio system wouldn't ever be sufficient as it wasn't feasible to relocate a repeater and antenna to a more suitable position.

To that end we decided the best solution would be to trial a POC (Push-To-Talk Over Cellular) LTE device to ascertain whether this would give them the much-needed coverage they needed. The device we chose for the job was the ICOM IP-503H Radio Handset.

A POC (Push-to-Talk Over Cellular) radio system allows you to communicate with your two-way radio system over a 4G/LTE closed network. POC radio offers instantaneous communication over a pre-established cellular network so you can enjoy licence free nationwide coverage for your business. It does not require its own repeater or IP network and thereby reduces the cost of building and maintaining a wide area radio network. Essentially you can chat to other users nationwide, or even worldwide! In essence, as long as you get a cellular phone signal, you get coverage.

Testing proved very positive with full coverage being experienced and off the back of this Bexleyheath BID were keen to implement an LTE system.

Caron Linyard – Bexleyheath BID Manager said:

"JPS Communications were really great with the setup of the new LTE radio system.

They spent two days with us issuing the new devices to all the participating stores and once the new system went live, they collected up the old devices and even cleaned them up before they were returned!

It allowed for a seamless transition and the new radio system has been in place for two months now and is a massive improvement on the old one."



**Call 01202 677297 now
for more information!**

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