

McKee Avenue
Finglas
Dublin 11
T +353 (0) 18142100
F +353 (0) 18142101
www.sigmaxwireless.com
info@sigma.ie

Unit 10 Airways Technology Park
Farmers Cross
Cork
T +353 (0)214808686
F +353 (0)214808688

Unit 85 Dunlop Commercial Park
Balloo Link
Bangor
BT 19 7HJ
Co. Down
T +44(0)2891275566
F +44(0)2891275577



Professional Communication
Networks and Solutions

CASE STUDY ■■

Secure Digital Two Way Radio Solution. STT Risk Management Ltd.

About STT Risk Management Ltd.

STT is one of Ireland's leading risk management companies. Customers include many of Ireland's premier private and public transport organisations. STT Rail Security provides passenger protection services on both the DART and LUAS services in Dublin, as well as protecting the public areas of the two largest rail stations, Heuston and Connolly.

Business Requirements

STT Rail Security required a secure communications solution, which could support the entire operational area. As well as highly visible teams used as a deterrent, STT also operates covert teams and required a communications solution which could operate in this environment. In this high risk environment communications are required both one to one and one to many. Instantaneous connectivity is essential. STT also required data communications and location tracking services. After an extensive review of the technologies and suppliers available, STT Rail Security selected the MOTOTRBO solution proposed by Sigma Wireless. Sigma's ability to deliver a turnkey solution including coverage for the entire operational area was key to the final decision.

Benefits

The MOTOTRBO Digital Radio solution from Motorola has provided STT Rail Security with a secure, reliable communications solution throughout the greater Dublin area. This solution provides multiple person to person and group conversations ensuring maximum efficiency while protecting passengers on DART and LUAS public transport systems and main-line rail stations.



"The reliability and flexibility which the MOTOTRBO solution delivered by Sigma Wireless has greatly increased our efficiency as well as our speed of reaction in critical situations. Our area of operations extends from Greystones to Malahide and out to Maynooth. We now have a single secure system providing us with coverage throughout this area, with the possibility to extend if required."

*Harry Seymour
General Manager
STT Risk Management Ltd*



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The Solution

Sigma Wireless delivered a turnkey solution for STT Rail Security, including a high site repeater, delivering both coverage and support for multiple simultaneous group calls. All voice communications are encrypted. The MOTOTRBO handsets have integrated GPS devices, providing the control centre with total visibility of the location of all their resources. Radios transmit their locations at preprogrammed intervals and on demand in the event of emergencies. Dispatches are provided with a colour coded real time display of location and activity. The text messaging functionality ensures that updates can be sent directly to radios from the dispatchers PC. The enhanced functionality and battery performance of the MOTOTRBO solution has greatly improved productivity and performance.

About MOTOTRBO

MOTOTRBO from Motorola provides secure discreet communications with no risk of transmissions being compromised by eavesdroppers. MOTOTRBO provides greater coverage and audio clarity than analogue radio and enables users to make one to one and group calls. The increased battery power extends battery life by up to 40% enabling radios to operate through an entire working shift without recharging. MOTOTRBO offers repeaters which provide wide area coverage. MOTOTRBO also supports text messaging and location based services, in addition to basic telemetry services.

About Sigma Wireless

Sigma Wireless evolved from Motorola Ireland in 1991 and continues to represent Motorola, as well as other leading manufacturers of communications products. In addition to local projects, Sigma Wireless has engaged in many projects throughout Europe, Asia and the Middle East. With over 25 years experience in the design, implementation and support of professional communications systems, we are recognised as a leading International Motorola partner.

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