

## Case Study - Milton Keynes Football Club



**MK  
DONSONS**



### Introduction to company

The stadium was constructed 2005 and as of May 2015, the stadium has two tiers which hold a capacity of 30,500. In addition to football events, the stadium occasionally hosts rugby union, hosting three matches in the 2015 Rugby World Cup, demonstrating its suitability to hold a large capacity of people which inevitably creates a noisy and busy environment. Other functions include Arena MK that holds an 850-cover ballroom and up to 2000 people for a sit-down dinner or awards ceremony, there is also a 128-bed hotel, gymnasium, restaurants and office buildings which circle the Stadium.

### The Challenge

Resound were required to improve the quality of the existing communications system that operated between the managerial staff and other key members of the team, whilst also upgrading the existing trunked analogue system to a digital counterpart. Pete Downing, Safety and Security Manager said: "Throughout our site complex, it is imperative to provide match day communications from the stadium, to all our key staff. It is critical to find a quality product to deliver clear, secure communications between a small group of staff.

We were aware that there were plenty of cheap options out in the market, but most would not deliver a satisfactory solution that we required."

The environment also exhibited another challenge for the technical team. The Stadium, is constructed from black granite and covers 150,000 square feet. Radio coverage is required over the extent of the building and also all the extremities, which includes the car parks and the security check points.

### CUSTOMER PROFILE

**Location:**  
South East

**Industry:**  
Sport

**Products / Services:**  
Motorola DP4400e  
Motorola SL4000e  
Motorola SL1600  
Ofcom Radio Licence

**Benefits:**  
Rugged, water protection  
All, Group & Private Calling  
Crystal Clear Audio  
Voice Announcement  
Dedicated Emergency Button  
Long Battery Life  
Excellent coverage



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Resound Limited, 11 Anglo Business Park, Smeaton Close, Aylesbury, Bucks, HP19 8UP

## **The Solution**

Firstly, Resound undertook a full site survey to establish full technical information, before offering Motorola's digital Mototrbo SL4010 Handportable radios to start the process of migrating the system over from the original DP3400 analogue models. The Mototrbo SL4010 digital two-way radio is designed as a slim, discreet portable with advanced features for efficient security operations.

The SL4010 next-generation radio provides optional useful features and benefits that would not only deliver full connectivity across the stadium's infrastructure but also offer the Stadium MK team useful emergency features, such as Man Down, Bluetooth 4.0, and significantly, the ability to operate safely across the site.

Additional audio accessories also allow for discreet and secure operation. Effective site radio coverage was achieved through the installation of two Mototrbo Digital Repeater Base Stations complete with mains power supply and programmed with Capacity Plus Trunking Software to provide one-to-one and Multi-group operations.

This infrastructure will also provide the capacity to enhance the system following any future building development at the site.

## **The Results**

Pete said: "Resound are our preferred supplier. We've also stayed firmly within the Motorola family as they provide quality products. It was clear that the two channel digital radios were going to provide exactly what we required. We've always found Resound provides excellent customer focussed personalised service. Their advice on suitable products and their technical skills have given us the ability to provide a system to the match day team that meets our requirements. The radios are easy to use, robust and good value for money."

[Contact us for more information:](#)

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