

Cuisine de France

On-Site Digital Radio System



System Components

- Mototrbo DR3000 Repeaters
- Mototrbo DM3600 Desktop Base stations
- Mototrbo DP3400 Portable
- Mototrbo SL400 Portables
- Mototrbo Impress Battery Charging

Introduction

Cuisine de France is one of Ireland's great success stories. Since its establishment 25 years ago, it has become the largest manufacturer and distributor of oven-fresh, baked breads and pastries in Ireland and the UK. In 2009 Cuisine de France moved into a state of the art facility housing manufacturing, warehousing, distribution and administration in a purpose-built complex in Grange Castle on the outskirts of Dublin.

Diverse user groups including operations, maintenance, warehousing and production required high levels of radio coverage across the entire complex, while each needed a dedicated radio channel as well as having interoperability between user groups. Staff safety was also a major concern with requirements for lone worker protection and man-down alerting.

EMR recommended Motorola's MOTOTRBO digital radio system as it offered the best combination of performance and functionality to meet current requirements and flexibility to cater for future needs.

MOTOTRBO Digital Radio System

Two Motorola DR3000 repeaters were installed in key areas within the complex to deliver the appropriate coverage levels. This provided four operational channels, one for each of the user groups. The improved coverage and enhanced audio provided by the Mototrbo radios ensure that staff can be contacted in all areas of the facility, even in high noise environments, while the rugged construction and high level of protection against water and dust ingress have proved their worth. The radios are in daily use with maintenance and warehousing personnel and in areas of the plant where temperatures never rise above minus 16 degrees.

The portable radios are equipped with Motorola's patented Impress battery technology, which delivers improved performance over a wide temperature range while intelligent chargers eliminate the damage of overcharging and extend the useful life of all battery packs. Combined with the lower overall power consumption of the digital radio technology, the Impress batteries provide for up to 12 hours operation between charges, enough to cater for the longest shifts on site.

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About Mototrbo

While the primary function of radio system has traditionally been job despatch, the requirement for automated vehicle and staff location have taken on greater importance. Built on the latest DMR technology platform, Motorola's Mototrbo solution incorporates a host of features that significantly improve operational performance with greater audio clarity, a doubling of the channel capacity, enhanced network coverage and extended battery life while also incorporating encryption. A suite of accessories and software applications have been developed that allows EMR provide bespoke solutions tailored to meet the precise requirements of each application. This software includes applications for despatch and GPS tracking, indoor positioning, job ticketing, alarm notification and telemetry control. As the fastest growing radio technology, DMR is at the forefront of the move from analogue with further hardware and software enhancements improving the operational effectiveness of two way radio.

About EMR

Established in the early 1980s EMR has grown to become one of the leading system integrators in wireless communications and automation systems in Ireland. With customers including DSPS, ESB, Eircom, Northern Ireland Water and the US Embassy to name but a few, we take pride in delivering the best solutions from the world's leading manufacturers.



"EMR recommended this system as it provided enhanced coverage levels throughout the complex. The system also supported future expansion when required, which was an important feature as the site was expanding when we first purchased this system. The system has become essential for providing site wide staff communications and we were very impressed how the portable radios coped in the chilled storage areas. We heavily rely on this system that EMR recommended as it addresses our critical present and future site-wide staff communication requirements."

Stuart Gavin, Purchasing Dept., Cuisine de France