



KAZAKHSTAN MALTING PLANT DEPLOYS MOTOTRBO™ SYSTEM

TO ENHANCE WORKER SAFETY AND DELIVER RELIABLE, SAFE, CLEAR COMMUNICATIONS



SOUFFLET GROUP

Soufflet is a French, family-owned Agri-Food group specialising in the barley, wheat, rice and pulses sectors; it also supports wine growers and has a Biotechnologies branch, which designs and produces enzymes for the food, beverage and feed industries. Headquartered in Nogent-Sur-Seine and founded in 1900, Soufflet now has over 7,000 employees and operations in 22 countries across Europe, Asia, South America and Africa. Soufflet's Corporate and Social Responsibility charter is based on six key pillars: its staff, its supply chains, its environment, its products, its ethics and its regions. And, with the health, safety and well-being of its employees being one of its key priorities, Soufflet decided to deploy a MOTOTRBO system at its malting plant in Tekeli, Kazakhstan. This site is the only malt producer in Kazakhstan and one of the largest malt producers in Europe.

CUSTOMER PROFILE

Organisation:
Soufflet Group

Partner:
OTC Ltd

Industry:
Malting

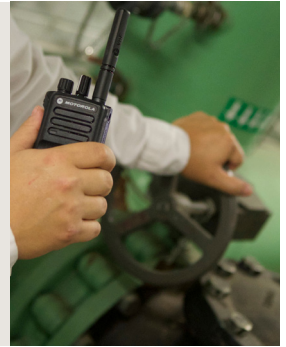
Location:
Kazakhstan

Motorola Solutions Products:

- MOTOTRBO System comprising:
- MOTOTRBO SLR 5500 repeater
- MOTOTRBO DP4401 Ex ATEX-certified portable radios
- MOTOTRBO DP4801e and DP4401e portable radios
- Accessories including IMPRES™ batteries, chargers and IP68 IMPRES Remote Speaker Microphone (RSM) with Audio Jack and Windporting
- Man Down function

“Deploying our new MOTOTRBO system has been an excellent step forward in improving communications, productivity, efficiency and safety across all areas of our site. With Motorola Solutions we know we are getting best-in-class, reliable technology. And our partner OTC, managed the installation efficiently and offers great ongoing support, quickly responding to any queries we have. Moreover, we know we’ve invested in a scalable, long-term solution, which we can easily adapt to meet our future needs.”

Elena Vasilenko, General Manager, Soufflet Maltings Kazakhstan



CHALLENGE

The Tekeli malting plant previously used analogue radios in direct mode for cross-site communications between workers. However, it needed to extend the coverage of its system, so users could also have a strong signal in its multilevel underground rooms. Soufflet also wanted a solution that could provide extra functionality, such as one-to-one calls and man down features, to protect lone workers in areas where there is a higher risk of accident or injury. Finally, it required radios with a high IP rating, in order to withstand the high levels of airborne dust and humidity on-site.

Soufflet approached Motorola Solutions in Kazakhstan to enquire about digital systems, and the local team put Soufflet in contact with local platinum partner OTC Ltd. OTC specialises in supplying professional radio equipment, as well as designing and installing radio networks. It has over 20 years' experience in the telecommunications market in Kazakhstan.

SOLUTION

Following various discussions, site surveys and trials, it was decided that a solution comprising MOTOTRBO infrastructure and devices, plus a Distributed Antenna System (DAS) would be the best to meet Soufflet's needs. So, OTC engineers installed a MOTOTRBO SLR 5500 repeater in a central location and set up two channels for users. The majority of workers have been equipped with the MOTOTRBO DP4401e radios with IP68 IMPRES RSMs with Audio Jacks and Windporting, which enables them to hold communications in the high noise and high humidity environment they are working in. Those working in potentially explosive atmospheres containing combustible dusts, meanwhile, use the MOTOTRBO DP4401 Ex ATEX-certified radios. All other employees communicate via the DP4801e radios. The radios are used for both one-to-one and emergency calls.

All the radios have a minimum IP67 rating and Intelligent Audio technology, which automatically adjusts the volume level according to background noise, so communications always come through clearly. Users can also make use of the Transmit Interrupt feature to relay important messages over any ongoing conversations, if an incident has occurred or where new instructions are needed to be relayed to a team of workers, for example. Moreover, the Man Down feature adds an extra layer of safety, as the orientation of the radio is regularly monitored, and it detects whether the radio has been lying on its side for an extended period of time, in case that signifies an employee has fallen; if there is a lack of response from that user to an initial alarm, a signal is sent to all radios alerting users so they can quickly attend to the potential accident situation.

BENEFITS

The MOTOTRBO system is providing reliable, mission-critical 24/7 communications for the Soufflet site at Tekeli. Significantly, communications are now always clear and safe, irrespective of location, background noise, or high levels of dust and/or humidity. This, in turn, results in teams being able to work more productively and efficiently. End user feedback has been exceptionally positive in this regard and in terms of the ease of use, battery life and reliability of the radios. Teams also appreciate the enhanced safety features. Talking about future plans, Nurgul Imasheva summarises: “The ongoing support from OTC and the scalability of the system will be crucial, as we look to deploy further radios and potential added functionality. That’s the beauty of a system like this; there are a lot of possibilities.”

Other Products:

- Distributed Antenna System

Benefits:

- The MOTOTRBO system provides robust, stable 24/7 radio communication throughout the plant, including basements; it is also a fully scalable solution, to meet the plant's future needs
- Workers are enjoying the enhanced functionality, such as the emergency calls feature, offered by the reliable, easy-to-use digital radios that, with an IP67 rating, are specifically designed for environments such as the malting plant
- The improved communications lower the risk of accidents and damage to equipment, which, in turn, reduces downtime, ensuring greater productivity and optimal workforce and machinery usage
- The Man Down function ensures any accidents are dealt with in a timely manner to ensure best outcome
- Ongoing technical support and assistance is provided by OTC specialist engineers

