



CALETA QUINTAY (CHILE)

MOTOTRBO, A DIGITAL LIGHTHOUSE FOR THE FISHERMEN IN THE REGION.



MOTOROLA RADIO COMMUNICATIONS AND GPS APPLICATIONS HELP INCREASE THE SECURITY OF CALETA QUINTAY'S FISHERMEN IN CHILE.

All fishermen in the area will now carry out their activities more safely thanks to the advanced MOTOTRBO™ Professional Digital Two-Way Radio System, which provides wide coverage and innovative GPS-based location applications during fishermen's open sea fishing tasks

The project provided fishermen with MOTOTRBO digital radio communication equipment, enabling them to stay connected at all times and be monitored by a control center that records their location via GPS.

Although Quintay is only 28 miles away from Valparaíso, it still keeps its wilderness features and outstanding natural beauty. Not only its geography has endured the passing of time: Quintay's fishermen community continues to engage in artisan fishing, as they have done for decades in a community that now lives mainly from fishery products and tourism.

The name of Quintay comes from the indigenous mapuche language and means "wind-driven vessel". Even the name of the city refers to the dangers fishermen face when venturing into the sea to make a living. And this is precisely one of the main difficulties that this Chilean community encountered. Small-scale traditional fishing at open sea entails significant dangers for seafarers, who even risk their lives in their daily activity.

IMPLEMENTATION SUMMARY

Client:
Quintay Cove

Location:
Quintay, V Valparaíso Region, Chile

Vertical Market:
Municipality, fishery

Solution:
MOTOTRBO digital radios

Applications:
Radio communications, GPS-based geolocation applications

Project Integrator:
MKS

THE SOLUTION

In order to improve the working conditions of these people, a project was launched to monitor and keep Caleta Quintay fishermen communicated. The initiative builds on a communications system comprised of MOTOTRBO radios equipped with GPS-based location applications.

The solution includes devices that are highly resistant, durable and suitable for use on board fishing vessels. Their sealed housing, compliant with military standards 810 C, D, E and F, and specification IP57 for submersibility in water, makes them highly resistant to extreme humidity conditions. They are also easy to use; a key aspect for rural workers who are not familiar with this type of technology devices.



BENEFITS

Funded by Motorola Solutions Foundation and Andrés Bello University, the project allows vessels to stay communicated with each other at all times, facilitating operating tasks coordination. The project also provides for a monitoring system based on a control center that tracks vessel locations and allows recalling the latest recorded position, facilitating assistance and rescue activities in the event of an incident, such as mechanical failure or adverse weather conditions.

By using this system, fishermen working conditions are improved, and an environmentally friendly, artisanal, sustainable and rational exploitation of fishing resources is supported and encouraged. As fishing is the foundation of Quintay's economy, the project also contributes to the subsistence of the local families.

"We have always dreamed of featuring some technology such as this one, but we never thought we could actually have it at our disposal. We have significantly enhanced our security; we now have the chance to know the exact location where our fellow fishermen are reduce response times in any emergency situation or accident"

José Barrios, Head of Caleta Quintay Workers' Union

"This is undoubtedly a most commendable project that involves the sustainable management of fishing resources in Latin America. The system is totally revolutionary for Caleta Quintay fishermen, as it not only promotes their progress but also provides an unmatched tool for fishermen safety. This is reflected in the gratitude shown by fishermen families, wives and children, who can now have peace of mind when their loved ones venture out into the sea to earn their living",

Gabriel Contesse, MSSI VP SOLA & Country Manager Chile, Motorola Solutions.

For more information on how MOTOTRBO Digital Radio can deliver reliable and clear communications, please visit us on the web at www.motorola.com/caribbean/mototrbo