



**CASE STUDY**

# Bubye Valley Conservancy

## ABOUT BUBYE VALLEY CONSERVANCY

Bubye Valley Conservancy is a million-acre wildlife conservancy in the southern lowveld of Zimbabwe dedicated to the protection, management and nurturing of the fauna and flora within the great nation of Zimbabwe.

The conservancy is privileged with the task of sustaining a wide variety of animals, including the big five, and many other animals and birds, both large and small. The Bubye Valley Conservancy supports the local community through a variety of outreach initiatives as well as provide work and support to in excess of 600 people.

## CASE BACKGROUND & SOLUTION

Given the remote location, vast area and the lack of national network coverage in Zimbabwe, it is critical for Bubye Valley to utilise radio communications. Motorola radios have thus been the backbone to operational communications across the conservancy. To further enhance operations, the communications network has been expanded in the last few years to include digital radios and the TRBOnet system.

## THE SOLUTION - NETWORK IMPLEMENTATION

The network has a central server and dispatch control in the Anti-Poaching Headquarters which holds the master TRBOnet system and server. There are four other remote dispatch accounts utilised by Anti-Poaching managers. There are also three digital repeaters strategically positioned in the conservancy allowing communications and tracking.

In all, there are over one hundred users of the system including scouts, Anti-Poaching vehicles, base stations and aircraft.

A variety of radios are used across the conservancy in both digital and analogue modes including, DP1400 DM4401e, DM4601e, DM4600, and DM3601 SLR 5500 repeaters.



## CASE STUDY PROFILE

### Partner



### Industry

» Wildlife, Conservancy

### Location

» Southern lowveld of Zimbabwe

### Products

#### TRBOnet control room package:

- » Voice dispatch & recording
- » GPS tracking & Geofencing
- » Event logging and alarm handling

#### DMR digital mode (voice and data):

- » DP4401e VHF
- » DP4801e VHF
- » SLR5500 repeater
- » DM4601e VHF
- » DM4600e VHF
- » DM3601 VHF

#### Analogue (voice only):

- » DP1400

DMX-2022-12



## ACHIEVEMENTS

After the full implementation of TRBOnet, the system has enabled oversight and control of the numerous Motorola radios carried by game scouts, gate guards, fence guards and management personnel across the conservancy.

The conservancy Anit-Poaching Headquarters is now operational 24/7. The operators monitor the radio traffic and devices and by using the TRBOnet system, they are able to track the individual radios ensuring a constant picture of who is where in the conservancy.

This has led to improved situational awareness and an accurate real-time picture of the personnel on ground at any given time. It has also helped in the coordination of assets in reaction to poaching incursions.

## THE TRBOnet DISPATCH SYSTEM

TRBOnet is a powerful control room solution that offers the most advanced features for radio fleet management, dispatch, and voice and data communications through a direct wireline interface with the MOTOTRBO network.

### Key advantages of a TRBOnet deployment include:

- ✔ Cost-effective dispatching across analogue, digital and SIP environments
- ✔ Efficient GPS tracking plus GeoFencing to log radio movements
- ✔ Continuous voice recording and playback for analysis or training purposes

## ACHIEVEMENTS BRIEF

- ✔ The TRBOnet system has enabled oversight and control of the numerous Motorola radios ensuring a constant picture of who is where in the conservancy.
- ✔ The TRBOnet system has also aided the coordination of assets in reaction to poaching incursions.

**TRBOnet**  
Dispatch Systems



**MOTOROLA**  
SOLUTIONS



TRBOnet PLUS Dispatch Console