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Title: « A digital VHF radio communications system for Zinave National Park, Mozambique: a case study»

Abstract:

This new park in Mozambique is quite huge, being app. 9500 km². They are re-establishing the park and at present are relocating 6000 animals, to add to the numbers in the park. They require a radio system for parks management. The area is very flat and it is extremely difficult to establish widespread communications over the terrain.

Nevertheless, we decided to plan a modern, fully digital mobile radio system to achieve what they need.

The presentation will cover the systems design process followed, including the propagation studies and link designs, followed by the final network configuration. The radio equipment has been tested and will be installed from mid-July to mid-Aug. It involves constructing antenna towers and solar supplies as well.