Explosive Detection in El Alamein

Abstract

This paper presents an integrated applications and hardware systems of a RC Truck to detect and pinpoint the locations of explosives in desert environment as El Alamein region. This work will be based on the use of the packet oriented mobile data service that available through the global system for mobile communications. By using of this integrated technologies, this paper provides the safe distance to the human in the process of explosives detection and help to map the landmines in fenced minefields and suspicious regions. The truck equipment brought together to fulfill four main tasks, a) Tracing the explosives, b) Detecting the explosives c) Monitor the minor change happens to the explosive detector sensor d) pinpoint the exact location coordinates of those explosives.

References


- APOPO is a Belgian NGO, it is a social enterprise that researches, develops and implements detection rats technology for humanitarian purposes such as Mine Action and Tuberculosis detection. [http://www.apopo.org/en/about-apopo/about-apopo/why-rats#myModal31] Last visit at 5-2013.
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Index Terms

Computer Science

 Applied Science

Keywords

Detecting Explosives  Suspicious Regions  Tracing Explosives  Coordinates
General Packet Radio Service

Mobile Data Service

Global System For Mobile Communications

Multimedia Messaging Service

Wireless Application Protocol

GSM Sound Tracker Devices

GSM Surveillance Camera

GPS Tracker Devices

Landmines

Metal Detector

Mapping Software and Google Earth.