



EkoTek Local Government/Council Application Sheet

Multitone's NEW EkoTek solution supports government staff in the delivery of local services within the community

Employees working in local government / councils may encounter difficult situations, including dealing with members of the public working alone or communicating with other members of staff.

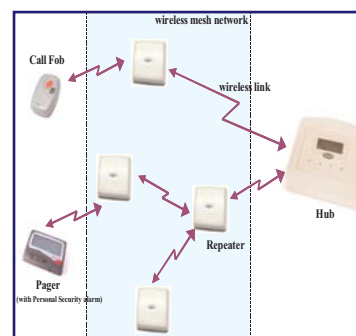
The Ekotek wireless system provides two-way communication between staff for staff location, messaging and assistance alerts.

The EkoTek wireless, two-way communication solution are easy-to install devices capable of protecting government staff working onsite in local council offices and council run properties.



In the Local government/council sector, Multitone's **NEW** EkoTek solution provides the following:

- ◆ **Staff Location**
- ◆ **Message communication to and from staff**
- ◆ **A high level of protection for your government staff**
- ◆ **Staff assistance when required within council offices and council run properties**
- ◆ **Rapid response when difficult situations arise from abusive members of the public**
- ◆ **Accurate alarm reporting reducing effects in service delivery and costs of an incident**
- ◆ **Improved customer service from operational efficiency within local government offices**





Call Fob

The Call Fob allows an assistance call to be generated either by the User pressing a button or automatically by the Dead-Man or Man-Down features. Accurate location information is obtained from nearby Repeaters. The Call Fob can also report the User's location to a Hub web page as the User moves around, allowing User tracking applications such as patient or visitor location to be implemented. Acceptance of assistance calls by an EkoTek Pager is indicated at the Call Fob to reassure the User.



Repeater

Repeaters automatically form the backbone mesh radio network, relaying messages to/from the Hub. The network physical layout is determined by the placing of Repeaters, which may extend across floors and buildings. Repeaters are battery powered and do not need any wires, making installation very quick and low cost. Each Repeater provides a location beacon signal for accurate location determination for alarm signals and also for tracking.



Pager

The Pager is multi-function supporting display of received messages with acknowledgement plus the ability to generate an alarm from the User, Dead-Man or Man-down Features. The Pager displays shows alarms from other Pagers and Call Fobs, allowing the User to accept the alarm and signal back to the Call Fob or Pager User sending the alarm that assistance is on its way.



Hub

The Hub displays assistance call messages, showing the calling User and location. Device configuration is stored on the Hub and can be changed using a PC running web browser software such as Internet Explorer. Statistics and logs are collected and stored at the Hub and can be viewed using a web browser. Additional web browser functions include creation of pager messages, allowing messages to be sent to individual or groups of Pagers and also location display to allow Call Fob or Pager Users to be located.

Technical Specification

| | |
|----------------------|--|
| Operation Frequency: | 2.4 GHz-16 channels |
| Radio Power: | 10 mW |
| Radio Structure: | Self-configuring/repairing mesh for range and easy expansion |
| Hub Interfaces: | DC power input, alarm contacts, serial to external paging system, antenna |
| Powering: | All devices battery powered except for the Hub which has an external DC power input and internal backup batteries for operation during mains failure |

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