FIELD DEPLOYABLE MAPPING SOLUTION

REAL-TIME TRACKING OF INCIDENT RESPONSE TEAMS

FIELD DEPLOYABLE MAPPING SOLUTION

Whether in a life threatening situation or day to day operations, incident commanders need the ability to quickly locate personnel in the field.

The Field Deployable Mapping Solution is a resource tracking tool using GPS satellites to provide operators with the ability to accurately locate and track outdoor personnel, on demand, and in real-time, in any location. It can save time, money and most importantly, lives.

The benefits of this solution include:

- Fast and easy deployment to track personnel resources in any situation and location.
- Enhance outdoor personnel safety.
- Improve allocation of resources.
- Rapidly improve response times to emergency situations.
- Operate without the need for fixed infrastructure.

LOCATE YOUR TEAM IN REAL TIME

Motorola Solutions' Field Deployable Mapping Solution allows you to track portable and mobile subscribers through GPS location updates on a simplex or duplex conventional channel.

Periodic, immediate and emergency initiated location information is sent from tracked subscribers to a host subscriber connected to a tablet or laptop to allow for the display of personnel location on maps within Motorola's Fleet Monitor application. This allows command and management staff to know where their team is at all times.

Tracked subscribers communicate to the host subscriber directly or through a conventional repeater without the need for network infrastructure, making set up simple and fast.
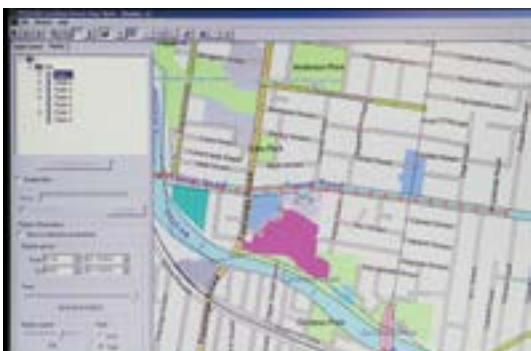
The laptop and host radio are housed in a rugged case to allow for easy deployment in any emergency or tactical situation. The portable nature of this solution makes it perfect for emergency situations in remote locations where no other infrastructure is available.

TRACK YOUR RESOURCES AT A GLANCE

Field Deployable Mapping Solution employs Motorola Solutions' UNS (Unified Network Services) software. UNS is a software platform that provides location and presence services for multiple network types, including ASTRO P25 and TETRA networks.

To provide map based graphical user information, the solution uses Fleet Monitor which is a computer-based mapping application that overlays personnel locations on pre-loaded, customer or generic global map data. UNS gathers location information from devices and passes it to Fleet Monitor to give a spatial view of mobile resources. Utilising preloaded map data ensures operation independent of connectivity to any other source (such as Internet).

Playback feature allows user to retrieve historic position data and replay it.

USE CASE

The use cases for this solution are diverse, but include any situation that requires a portable, easy to set up, fast to deploy subscriber tracking solution.

Imagine you are a field commander in charge of an incident where a bush walker has been reported missing in dense bushland. The Field Deployable Mapping Solution system could be deployed and set up quickly in any location. The mapping solution would allow the mobile command centre on the ground at the incident to monitor the location of each search and rescue team member via their radios as they attempt to locate the missing bush walker. This information can be used for the safety of searchers as well as management to ensure all grids have been adequately checked.

MOTOROLA *SOLUTIONS*

FEATURES

Live display of resources

The main screen within Fleet Monitor provides a live display of where your resources are. You can choose which resources to display from a simple selection list. It is also very easy to zoom in and out of the map as well as move around.

Other features

- Multiple live windows - allowing you to monitor different regions simultaneously.
- Resource tracking - keeps a resource centred in the screen and moves the map underneath the resource.
- Find a resource - select a resource from the list and centre the map on its location.
- Information aging - show the currency of status and location information.
- Alarm handling - changes the icon for a resource if an emergency button on the device has been pressed.

Controlling your resources

You can select one or more resources on the map and send a comment to either:

- Ask them to report their location immediately.
- Change the reporting cadence.
- Reset emergency trigger state.

History replay

Fleet Monitor also has a sophisticated playback feature allowing you to retrieve historic position data and replay it - allowing you to analyse where your resources have been. Fleet Monitor allows you to replay where one or more devices have been. You have complete control over the replay speed and the time period to replay.

Understanding your needs

In today's world, it pays to have a solutions provider who understands the value of mission critical solutions and the importance of the lives and wellbeing of your employees and the business processes they are delivering.

Devices

ASTRO Subscribers - XTS / XTL / APX

SERVICES APPROACH

Professional Services

Assess, plan and design.
The only constant with technology is that it's constantly evolving. We are ready to help assess your current technology, and plan and design what you need to do to prepare for next-generation technologies.

Integration Services

Integrate and optimise.
Our experienced teams bring together the right elements to best serve your business, integrating large-scale, multi-service, multi-vendor solutions to deliver measurable business results.

Support Services

Support and secure.
Lost time is lost opportunity. It's why we offer technical support, monitoring and maintenance with operations centres and emergency response teams committed to keeping your critical operations online.

Managed Services

Host and manage.
Stay focused on your core mission while we focus on helping you reduce cost and mitigate risk with highly-secure managed solutions and services.

MOTOROLA SOLUTIONS

www.motorolasolutions.com.au