

# Enhancing Force Protection

## Situational Awareness in Tough Environments



- Friendly Force Tracking
- Situational awareness and tactical reporting
- Map handling, including analysis of terrain features
- Speeds up and supports the military decision making process
- Short text message communication with attachments
- Ability to receive and prepare plans and orders
- Visual and audio alerts
- Tactical communication over existing radio and communication networks

**SitaWare Frontline is a breakthrough in battle management software that offers clarity, simplicity and high-performance that addresses real world C2 challenges at the frontline.**

It is designed for frontline commanders in tough environments, where a clear operational view with rapid updates of friendly force tracking (FFT) is absolutely essential, and has been built with deployment and management in mind.

The software has a unique two-part design: a user application containing the battle management system, and a vehicle application which interfaces with existing communications equipment, onboard management systems and sensors. This enables users to plan and execute missions in both static and mobile environments, easily implement change of location of command and, if necessary, quickly destroy mission data in an emergency; while the separate vehicle application simplifies both the installation and upgrading of the vehicle software.

### Key Features

- High update rate for FFT over tactical radios achieved through the SitaWare Tactical Communications protocol.
- The user application enables commanders to change vehicles if one is damaged or out of service and still be represented correctly in the FFT-picture and without any user configuration.
- Supports a wide variety of IP and non-IP radios – even within the same vehicle.
- The software has a small footprint with a lean GIS that offers high performance visualization with no need for a database server.
- It is designed for installation on devices with small to medium displays, and the user interface even works well down to 8 inches.
- Tactical communications with backwards compatibility means the software can interoperate across software versions, and there is no need to upgrade all vehicles simultaneously.
- Provides interoperability from Squad level to the highest level of command as part of the SitaWare suite of software products.

### Map Data

- Supports maps as raster, vector, or a combination of these formats
- The map format encapsulates GeoTiff, ESRI Shape, Digital Terrain Elevation Data (DTED) (Level 0, 1 and 2) and Digital Elevation Model (DEM) GIS formats
- SitaWare Headquarters is able to extract an area of maps into the format supported by SitaWare Frontline (Clip & Ship capability)

### Hardware Requirement

Hardware	User Application	Vehicle Application
RAM	1 GB	1 GB
HDD	30 GB available space	30 GB available space
CPU	1.1 gigahertz (GHz) Mobile processor 32-bit (x86) or equivalent	1.1 gigahertz (GHz) Mobile processor 32-bit (x86) or equivalent

(Minimum based upon a Windows 7 installation)

### Software Requirement

The supported operating systems are:

- Microsoft Windows XP, SP3
- Microsoft Windows 7
- Microsoft Office Excel 2007 (for defining a full configuration)

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