pTRACK-III - Tracking and Localization System

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pTRACK III. generation is a tracking and localization system.

When to use system pTRACK III. generation?

Localization of searching or rescue teams and vehicles during the crisis operation:

- ☑ Searching for lost persons
- ☑ Search for people after avalanche
- ☑ Rescue operations during the nature disasters
- ☑ Searching operations after the plane crash
- ☑ UXO, explosives and dangerous objects cleaning operations
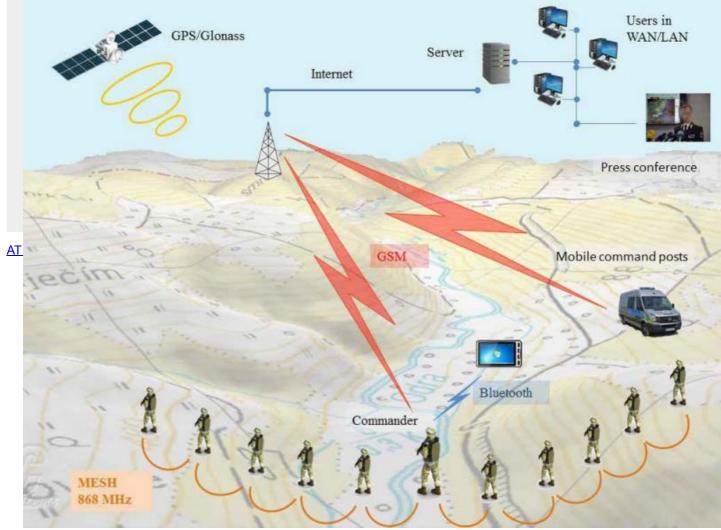- ☑ Evidence material searching and localization

Main advantages

- ☑ Informs about the team movements and history of the objects position, directly on the map application for very easy commanding and debriefing of the searching operation
- ☑ Provides a clear information about already searched out area
- ☑ Ensures two-way transmission of the warning signal between the command post and the searching team
- ☑ MESH network retransmits the interconnection between team members and team leader in rough terrain
- ☑ Uses the free map layers formats such Google Maps, OpenStreetMap or maps user-specified
- ☑ All data are saved on USB Flash Disk in case of the lost connection
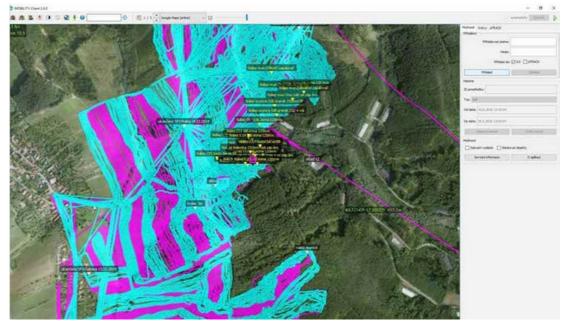- ☑ The system is fully ruggedized for any weather condition application

Consist of

- ☑ 1x recharging unit
- ☑ 10x localization module
- ☑ 1x communication and integration module
- ☑ 2x removing memory module (USB Flash Disk)
- ☑ Software pTRACK III. generation

Modules application

- ☑ Communication and Integration module – KIM

    - ☑ Team Leader
- ☑ Localization module – LOM

    - ☑ Team members (max. 10)
- ☑ SW pTRACK III. generation

    - ☑ Command post

Scheme of pTRACK III. generation system application

Software pTRACK III. generation

Optional modules

- ☑ Bluetooth – connection between KIM and PDA
- ☑ PEGAS (TETRAPOL) – connection between KIM and command post
- ☑ Radio connection P2P between KIM and command post

- ☑ Additional AKU (battery) modules
- ☑ GNSS - 2s reloading interval for position data
- ☑ Command post unit in ruggedized PELI case
- ☑ Easy searching set (1x KIM, 2x LOM, recharging unit) for small areas searching or for canine officer
- ☑ Intervention set (5x special designed module KIM, recharging unit) for tactical operations, if there is a small team in wide area coordination requirements

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