SINORA

MORE THAN A SIGNAL

ions History   Audit   Registries

5 seconds

ASE   GROUP

BASE » GROUP   9 seconds ago

00:02   admin   Tuesday, March 12, 2019 9:49:21 AM

00:00

Portatile Test   36 seconds ago

Portatile Test   36 seconds ago

Portatile Test   6 minutes ago

Portatile Test   16 minutes ago

Portatile Test   26 minutes ago

SNR SOLUTIONS

software applications,
enterprise solutions

SNR

SNR® stands for signal to noise ratio, a concept that has inspired Sinora and finds its best expression in the SNR® logo.

SNR® is a registered trademark for all of Sinora's professional, specialist solutions. From telecommunications to video surveillance, from software applications to the services offered, SNR® is the symbol that identifies and guarantees the design and creation of solutions and products for Sinora customers.

This brochure illustrates the company's product portfolio and solutions that have been designed and implemented on the basis of specific requirements and can however meet the technological needs of different users, in any operating context. The SNR® line has been designed and developed to overcome the space-time concept and ensure high performance in stationary or field situations, in a fixed or portable form.

These needs and ideas from our customers have been developed in several sectors, including mission critical solutions, public administration, manufacturing, logistics, transport, event management and hospitality.

SNR® is the new signal to noise ratio: "proximity signal" on the vertical needs and "market noise" aimed at customer satisfaction

Soluzioni SNR®
make idea

Command and Control Center

UniqueSWAP
Communication for C2 applications

Sinora renovates its control room application with a tool developed on the basis of the current technological and operating needs.

UniqueSWAP is Sinora's new control room application suite. This innovative tool developed and integrated in close contact with operators is capable of accelerating and satisfying the most complete technological and organizational needs. UniqueSWAP is designed to support both digital and analog channels, facilitate migration between technologies and interconnect them.

Compared to the latest applications on the market, UniqueSWAP is more dynamic in terms of functionality and operation.

The operator interface has been designed with a user-friendly logic and makes for simple and streamlined management of multi-channels and/or radio groups.

Based on client/server or cloud technology, the control station can record all RADIO or LTE traffic via an IP LAN or WLAN interconnection.

Installation flexibility and expansion scalability guarantee a continuous upgrade of functions,

channels, and operator stations. The server, which controls all the logical operations of the application and acts as a database, allows obtaining audio information and data from the radios of the private network, storing and managing the information administered by a potentially unlimited number of clients.

Modules

The UniqueSWAP software is equipped with functions for managing voice channels and identifying the terminals located throughout the territory via an IP connection.

UniqueSWAP allows individual (private) communications, as well as group calls and free or pre-encoded text messages with acknowledgment of receipt. All network traffic is saved in the storage.

Furthermore, UniqueSWAP allows interconnecting third-party applications, provided they have a specific license issued by Sinora.

Finally, the suite uses a cartographic module capable of identifying devices with integrated
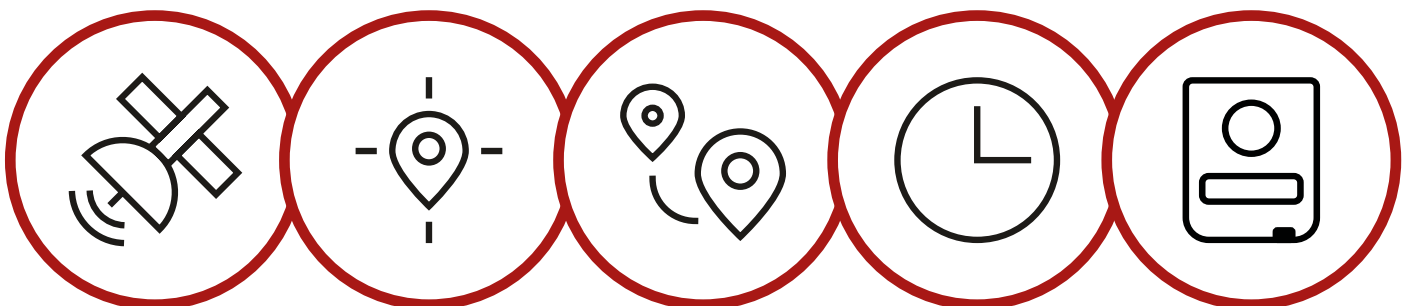
and active GPS. This allows terminals to be interrogated manually by the operator or via a specific automatic function, as well as by programmed command or following an alarm, such as a man-down one

.

New interface

The new interface uses a "green" formula, which is presented by default on a black background with white text and orange titles. Light blue is used for displays that simulate radio functions.

Looking at the home page from left to right, in the first column there is an icon menu for filtering the events listed in the second column: GPS, calls, notifications or messages, etc.

The third column is dedicated to the registries, while the fourth to iterative call activities and radio channels.

multi-brand compliance

multi-system protocol

multi-tasking technology
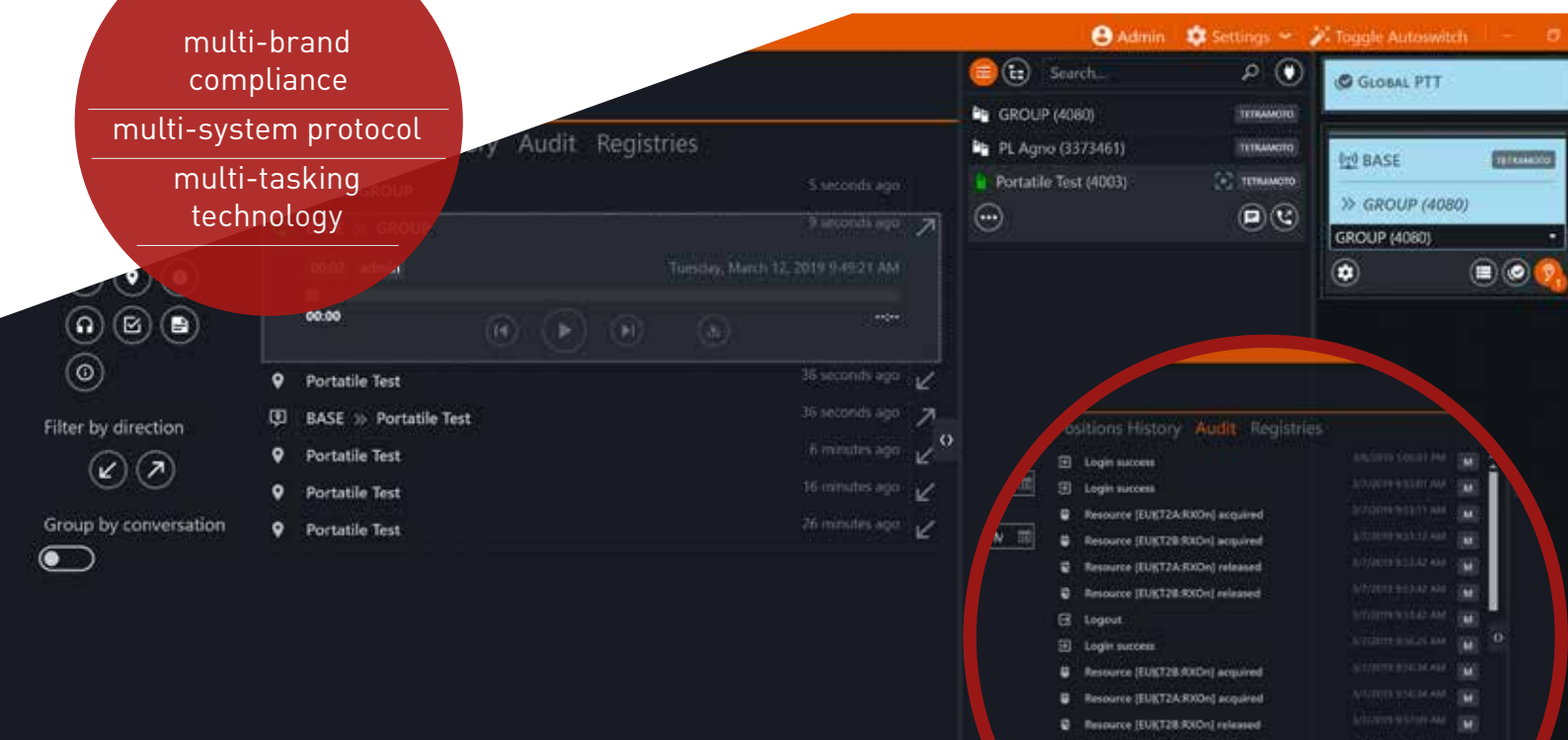
Designed for the 112 European emergency service control room.

Functions

With UniqueSWAP, the control station operator can manage the registries through the call and message functions, as well as the GPS position on the map, where it is possible to query the historical database to trace the path of a radio/user.

Through an advanced search tool, the operator can also manage electronic register events and play back recorded communications.

The radio dispatch operator post can make and manage multi-vector calls in private, general or group mode.

The software implements an electronic register capable of notifying all the logs occurred on the connected channels (DMR, TETRA, LTE, wireless, etc.).

Moreover, it can patch channels/groups in real time, that is, it connects heterogeneous channels/groups, such as: the Italian Red Cross and the Fire Brigade; the Civil Protection and the Local Police; or also a TETRA channel with a DMR or LTE channel, that is an analog channel.

Free or pre-encoded text messages can be managed on video and, as for any event, they can be filtered by conversation, if necessary, while alarms and emergency calls have priority in event management.
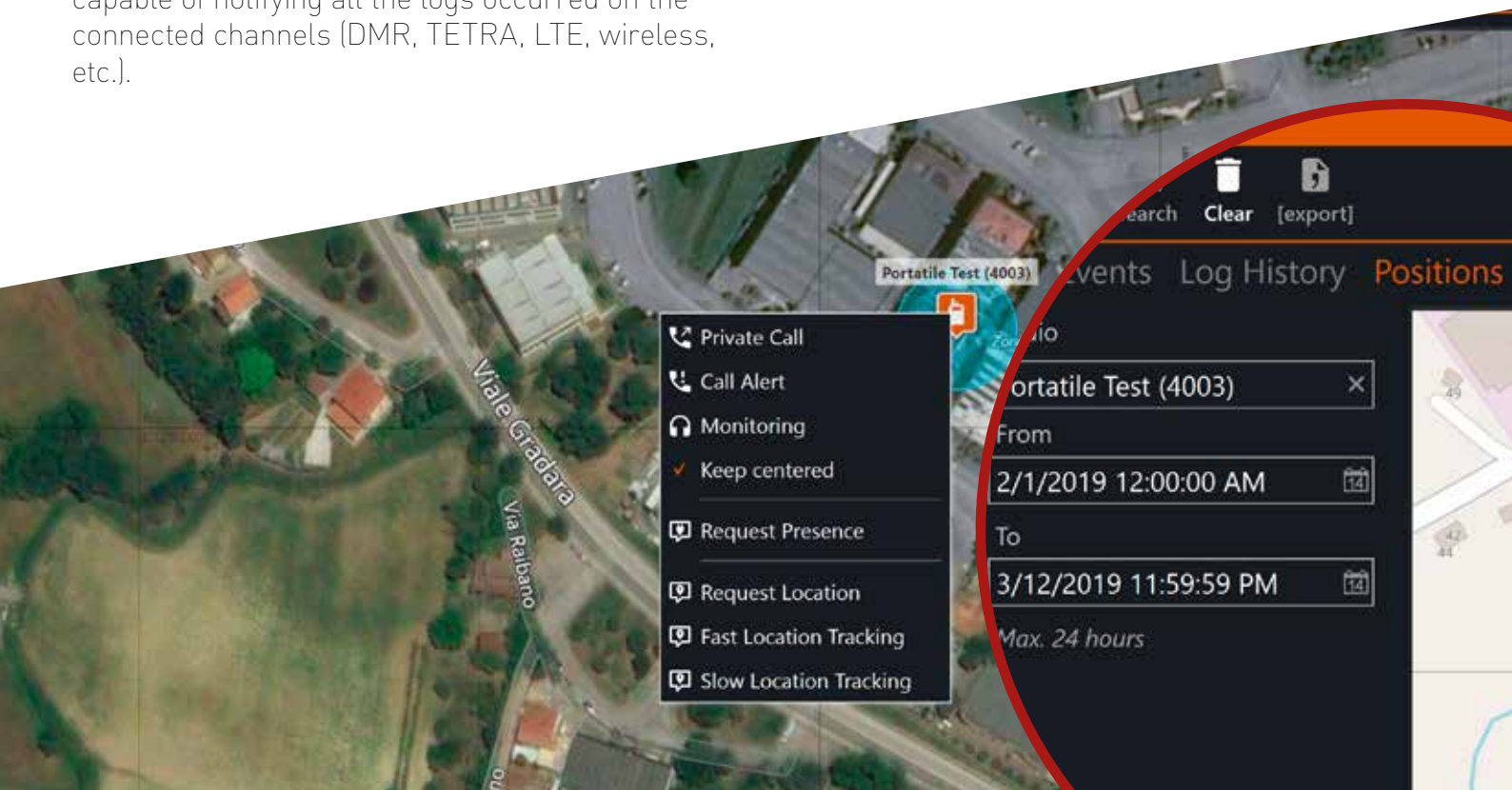
Map

UniqueSWAP Control Map is a module dedicated to the location of devices equipped with GPS on the map. The operator post can access and manage the registry and tracking details from the system with particularly highlighted road network, obtaining a rapid and dynamic overview of the territory. The maps used are of the "cloud base" type, capable of providing a valid and handy operational tool.

Project options

Geo-fence and outdoor/indoor route management;

POI management;

"Man down", "Lone worker" and "Static man" alarm management;

Outdoor tracking;

Transmission of coordinates to TomTom;

Vehicle management: equipment, fuel, etc.;

Attendance detector and clock-in/out system;

Work state and stage management;

Booking services from operator or from the web for citizen services;

Journey, mission form;

Offline data collection and synchronization.

FEATURES

Plug-in for the Verbatel suite;

GPS tracking;

Camera acquisition and alarm management;

Channel enabling;

Audio track export;

IP Site Connect integration;

Fully customizable client interface layout (user based);

Advanced audio management with optional independent selection of the source between selected and unselected (left in the background) channels/groups;

Integration with the AudioBox peripheral, which is used to manage multiple audio and/or radio and telephone accessories via a single wireless headset;

Possibility of creating complex infrastructures to control/centralize multiple remote workstations..

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SwAPP push to talk over cellular

PoC Module

SwAPP is a PTT over cellular application that can be independent or connected to the UniqueSWAP operations center and provides a "Push and talk" function to be used via a modern smartphone.

The application allows registering to one's server and make full duplex group or private calls.

Through priority management, the user can intervene and interrupt communications in progress with greater privileges. This solution is useful in the event of an emergency.

Both the call log and the calls themselves are stored and can be listened to at any time.

The SwAPP application allows managing work groups and decide which ones to listen to.

Call logging implements logging of the caller's GPS tracking and battery status to each log file.

Not only calls

The tab menu offers functions such as private chats and single or group messages which, thanks to the performance of the telephone, can be enriched with photos, videos, or other files. As for calls, also in this case SwAPP records the detail of the log such as geo reference, battery status, message delivered or read.

By activating the GPS on the device, you can share your position on the map with the work group. The reference icon identifies position and accuracy detail, battery status and user status.

Dedicated alerts can be configured to get the attention of the group.

Man down

Thanks to the accelerometer now available on all smartphones, it is possible to manually activate or automatically set the "Man Down" function, an alarm that is activated when the sensor detects anomalies in the user's posture: sudden acceleration, bending, immobility. The alarm is notified to users via SwAPP or SMS, phone call or link with the user's position.

File sharing with the team

The administrator makes files, procedures, and documents accessible to all users of the group.

Operations

Thanks to the "Electronic Clocking-In/Out" function, each user can certify the start and end of their shift. The electronic data is geo-referenced and supervised by the administrator through the available web portal.

The web portal allows for user and group management, leave management, user function, and whatever required to organize a CO.

The portal integrates a web-SwAPP for managing messages, calls and user tracking. A web PTT function is available for all group or private calls, messages and taking-on of activities.

The administrator can change and manage work groups or share files or procedures in a shared virtual environment
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Applications BRIDGE Server
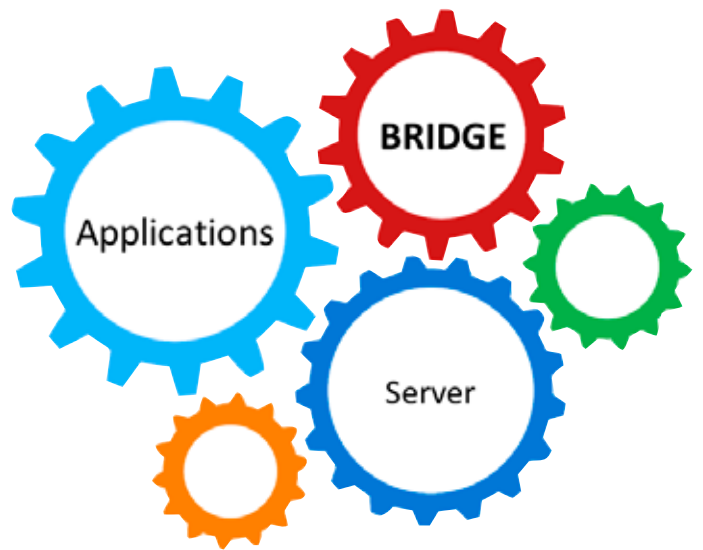
Application interconnection gateway

Applications BRIDGE server is the Sinora gateway for interconnecting different technologies with each other.

Radio systems can be connected to video analysis systems or different radio protocols such as LTE, DMR, TETRA can be connected with each other.

Interconnection of multiple forces, radio technologies, different brands, applications of other developers, ecosystems.

ABS - Applications BRIDGE Server is a gateway that allows interconnecting different technologies, such as radio systems with video analysis systems, and different communication protocols, such as LTE, DMR, TETRA, etc. with each other.

It was designed as a result of the need to exchange information not only between technologies, but also between apps from different software houses, interpreting the exchange protocols of the different manufacturers.

What can be done with ABS

Interconnecting MULTIPLE FORCES.

Applications BRIDGE Server can interconnect the various telecommunications systems present in the area and used by Local Police, Civil Protection, or Italian emergency service. It interconnects, interprets, and sorts calls, data and functions between the forces in the field. It is therefore ideal for a European emergency service control room.

Interconnecting RADIO TECHNOLOGIES.

Applications BRIDGE Server allows exchanging data between various radio technologies and different communication protocols. Thanks to its versatility, each system connected to Applications BRIDGE Server can communicate with each other. For example, smartphones can interact with radios and with mobile or desktop apps.

Interconnecting BRANDS.

Applications BRIDGE Server allows interpreting the various dedicated protocols of brands that do not use standard instructions in particular functions.
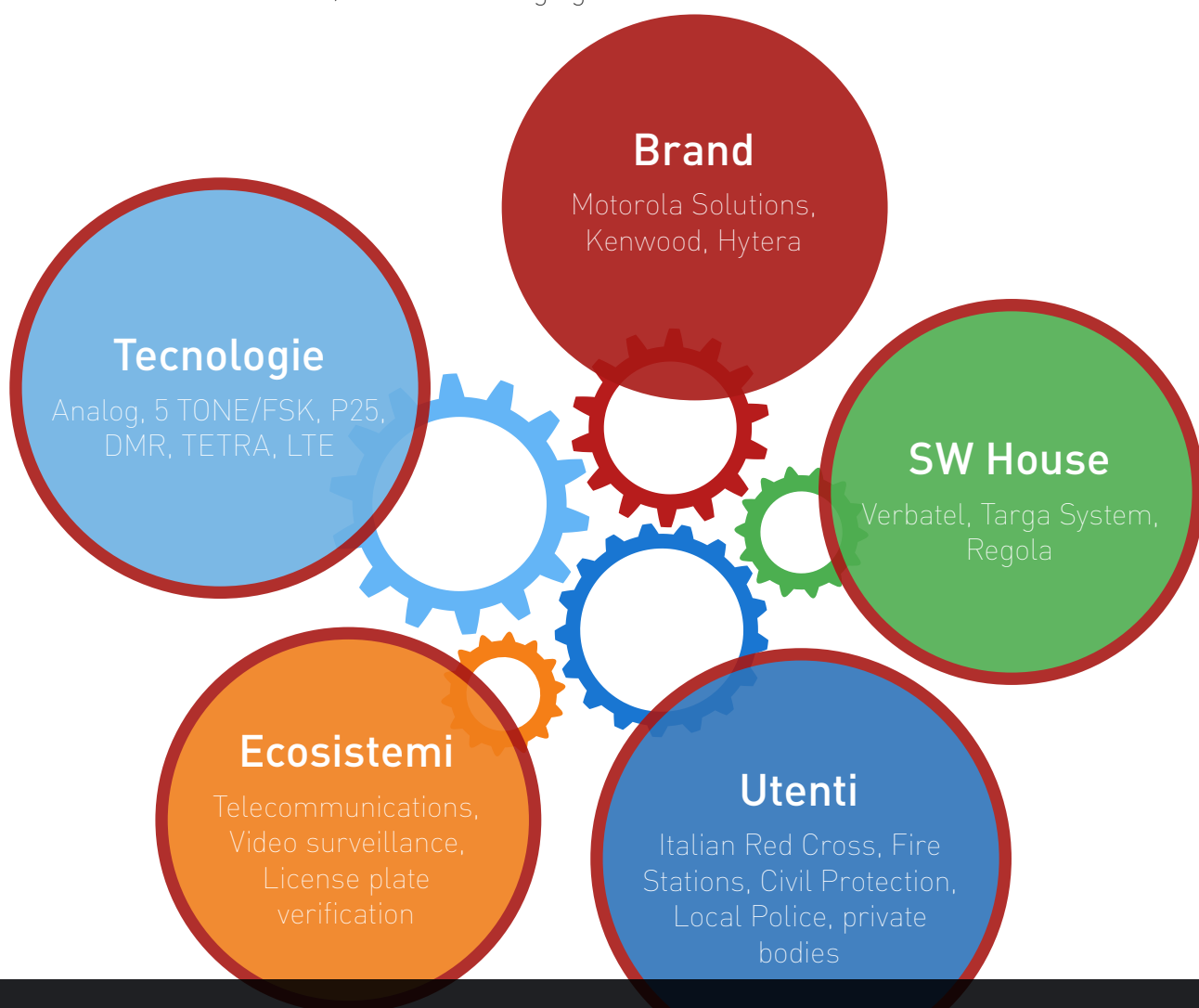
Interconnecting APPLICATIONS.

Applications BRIDGE Server allows interconnecting apps of other developers. For example, it connects license plate reading software with the radio world; it allows managing interventions by smartphone apps or the daily activity of a work team member through CRM or ERP software.

Interconnecting ECOSYSTEMS.

Applications BRIDGE Server collects data from radio, video surveillance, license plate reading systems and other applications and redirects them according to ordinary operational and critical needs.

Brand
Motorola Solutions, Kenwood, Hytera

Tecnologie
Analog, 5 TONE/FSK, P25, DMR, TETRA, LTE

SW House
Verbatel, Targa System, Regola

Ecosistemi
Telecommunications, Video surveillance, License plate verification

Utenti
Italian Red Cross, Fire Stations, Civil Protection, Local Police, private bodies

Spettra LightMAP

Spettra LightMAP is a software application developed to support minimal operational needs.

This stand-alone application can manage a radio registry presented both as a tree and on a map.

Spettra LightMap operates on a DMR or FSK analog network structure via OB.One, the option board developed by Sinora.

Since it is a professional application with essential functions, the first installation of Spettra LightMap must be performed by an IT operator capable of configuring some basic system settings.

Through OB.One, the installation of Spettra LightMap allows immediate use of the software, which automatically searches for and connects to the radios interfaced to the PC without the need for dedicated configurations.

The latest developed version makes the application interoperable with Hytera devices.

Enabled functions

The main basic functions available for the operator are the minimum and indispensable ones in the field of tracking and operations:

Reception and display of GPS positions of MOTOTRBO™ radios in DMR and FSK technology;

Querying a radio to update its position on the map;

Transmission, reception and display of SDS;

Tracing a device present in the registry;

Creation and management of the radio registry and the groups;

PTT tracing management;

Tracing emergency calls.

Features

Dedicated network settings of the PC hosting the application;

Setting of the radio connected to the PC hosting the application;

Setting and input of Motorola Solutions and/or Hytera radio parks;

Differentiated GPS for DMR and analog radios;

5 Tone/FSK analog and DMR digital configuration;

Management of SMS in the radio park logged in the APP;

"Call alert" and "Emergency" functions in both DMR digital and analog mode;

Map caching for working offline.

Navigator Launcher

Android Application

Integration of functions between two-way radio and Android smartphone or tablet.

Sinora Navigator Launcher is an Android app developed by the Sinora Research and Development department, used to manage sPOI (Sinora Points of Interest) through the connection to the Motorola Solutions radio.

A dedicated Bluetooth pairing connection of the two devices allows the app installed on the smartphone to receive, manage, and archive the positions of interest received on the radio. When the radio receives a point of interest from any device in the network or from the UniqueSWAP operations center, this is shared by the radio in pairing with the smartphone on the Navigator Launcher app. The app will display all the addresses shared with the radio and allow the launch of the navigation application set as default on the smartphone or tablet connected to the radio.

The radio connected to the Navigator Launcher interacts with the app, which automatically filters the address of the point of interest received and sorts it to the smartphone. If properly programmed, the app asks the user with a notification if he wants to activate the navigator and reach the address indicated in the point of interest.

Each sPOI can be transmitted in the form of an address or geographical coordinates. In the first case, the app transforms the address into coordinates to allow the navigator to calculate the route.

FEATURES

sPOI = Sinora Point of Interest;

Bluetooth connection;

Interconnection with DMR;

Compatible with Motorola Solutions 4000 Series portable devices and handsets;

Android installation APK;

sPOI management and archiving;

Adress georeferencing;

NMEA coordinates.

ShortTrack Live

It is a radiolocation system for MOTOTRBO™ radio systems.

ShortTrack Live can operate on digital radio networks and with any type of terminal (handset or portable device). It has been conceived as an aid for the radio operator, who can considerably improve the degree of awareness of the situation of the fleet and the dislocation of forces in the area.

The client/server architecture system has additional functions which allow one or more operators to improve and simplify the organization of a fleet of radio terminals at the same time, controlling calls, text message transmission and reception, fleet management, etc.

Thanks to its ease of use, the operator can react quickly even in emergency conditions.

The automatic functions for managing reports from the field allow for an efficient coordination of the fleet.

The application scalability allows use on laptops in stand-alone mode or the simultaneous execution of multiple terminals in client/server mode.

Visualization is possible simultaneously on PC, tablet or smartphone depending on the needs.

ShortTrack Live consists of a server program, which performs all radio management and control operations, and a client part, which represents the system's user interface.

The user interface can easily be used via a touch screen monitor and is compatible with the most popular browsers.

The maps used by ShortTrack Live are live and constantly updated via an internet connection. In the event of no or limited connection, it is possible to pre-store the operating area.

User-definable markers allow identifying specific fixed stations or points of interest.

FEATURES

Minimum system requirements:

Windows server, Windows® XP SP3 operating system, Pentium® III 700 MHz processor, 128 MB RAM, USB port for MOTOTRBO™ radios, ethernet interface for client/server mode;

Compatible with Windows XP/Vista/7/8;

Supported browsers: Google Chrome, Microsoft Internet Explorer, Mozilla Firefox, Apple Safari;

Secure access through basic user and advanced user credentials;

Supported maps: MapQuest-OSM Tiles, MapQuest Open Aerial Tiles, OpenStreetMap, ArcGIS Imagery, ArcGIS Street Map, ArcGIS Topo Map, Google Maps, Bing Maps, Yahoo! Mappe;

Available languages: English, Italian, German, French, Spanish;

Digital radios, MOTOTRBO™ (ETSI-TS102 361-1), DM3000 Series, DM4000 Series, DP3000 Series, DP4000 Series..

Plug-in

GPX and KMZ route export;

Oracle MySQL and Microsoft SQL Server external database;

Off-line map support for OziExplorer