

# MOTOROLA DIMETRA APPLICATIONS CATALOGUE



WORLD CLASS SOLUTIONS HANDPICKED BY A WORLD LEADER IN CRITICAL COMMUNICATIONS

APRIL 2016



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**WORLD CLASS  
APPLICATIONS  
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LEADER IN  
CRITICAL  
COMMUNICATIONS**

Communication networks are becoming increasingly important for all of us as we strive to manage and optimise our resources. It's no exaggeration to say the network is the hub for all communications, whether with clients, colleagues or the general public. Sometimes it's good to stop and consider how well you are communicating and how you can improve even further to maximise every opportunity.

That's where our application catalogue comes in - a selection of world class technology experts ready to maximise the power of your radio system and meet your challenging objectives. Wherever you want to go, these experts have the credentials and experience to help you get there.

Choose from a wide range of companies specialising in applications such as fixed control room and location tracking, network management, wireless command and control or alarm and telemetry. All of the solution providers in this catalogue will help you develop your network, providing advice and then implementing solutions featuring the very latest network innovations. It's an efficient way to put your communications right on the leading edge and boost performance.

Be assured you'll be working with companies that are pioneers in their field. World class organisations that are committed to providing the most effective communications possible. Motorola and it's partners are highly qualified to industry-leading standards and meet stringent requirements for technical ability, staff expertise and operational support. Motorola and most of its partners have a global presence and can work with you in multiple languages.

Keeping pace with technology is one of the most important attributes of a successful operation. Choose one of our approved Motorola partners and see how you can take your radio network to the next level\*.

\* Unless specified, Motorola is not responsible for any product or information from an application partner. For more information on any of the partner companies featured in this guide, please contact the application partner directly.

# TOG9040 TELECONTROL CENTRE FOR TETRA TELEMETRY

**TOG9040**  
TOG9040 software enables to receive telemetry data via the TETRA or MOTOTRBO radio network from ATS telemetry unit (e.g. TMP102 as well as from connected Phoenix modules).

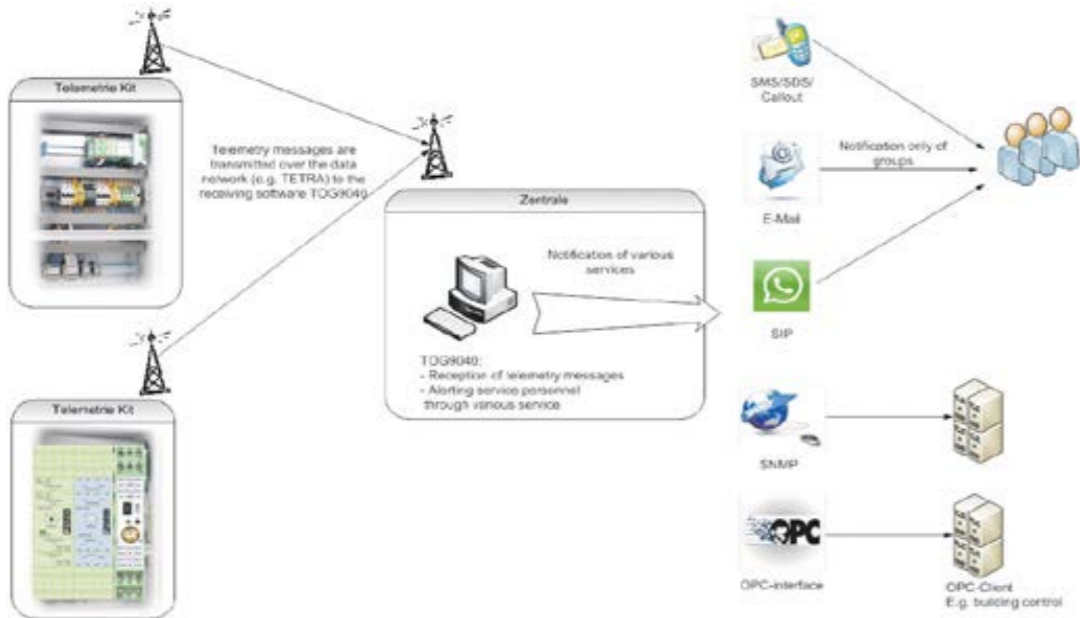
**MARKETS**  
Command & Control Centres, Environment Monitoring, Facility Management, Military/Defence, Telemetry.

**GEOGRAPHICAL SCOPE**  
Africa, Asia Pacific, Europe, Latin America, Middle East, North America.

**SUPPORTED LANGUAGES**  
English and German.  
Other languages available on request.

There are almost limitless requirements and applications to transport telemetry data over an RF system. TETRA radio systems are especially suited to transport these telemetry data. TOG9040 software enables to receive telemetry data via the TETRA radio network from ATS module TMP102 as well as from Phoenix modules connected. The software can manage digital, analogue and metering values. Telecontrol commands allow to set digital outputs/analogue values at TMP102 and Phoenix modules connected. TOG9040 manages all telemetry objects in a master data management. Behind telemetry notifications alarm scenarios can be programmed using various alarm paths.

The programmed telemetry units will be displayed with their incoming and outgoing contacts in a tree structure. Icons in the tree structure will indicate the status of the inputs and outputs. Each incoming contact can be programmed with one or multiple automatic alarm scenarios. Alarms can be set for alarm groups. The alarm services SDS, Callout, SNMP, e-mail, OPC and SMS are available.



TOG9040



## SYSTEM REQUIREMENTS AND TYPES

Requires one or more radio networks such as Dimetra or MOTOTRBO, a pool of one or more ATS TETRA or MOTOTRBO telemetry units e.g. TMP102, standard Windows PC platform and depending on the alarm scenario: email-, telephone-, IP-, OPC- infrastructure and -access.

## KEY BENEFITS

- TOG9040 manages all telemetry objects in a master data management.
- **Programmable.** Dependent on telemetry notifications alarm scenarios can be programmed using various alarm paths. The programmed telemetry units will be displayed with their incoming and outgoing contacts in a tree structure. Icons in the tree structure will indicate the status of the inputs and outputs.
- **Automatic Alarms.** Each incoming contact can be programmed with one or multiple automatic alarm scenarios. Alarms can be set for alarm groups. The alarm services SDS, Callout, SNMP, e-mail, OPC and SMS are available.

## KEY FEATURES

- The software can manage digital, analogue and metering values.
- Telecontrol commands allow to set digital outputs/analogue values at TMP102 and connected Phoenix modules.
- Received data messages can be forwarded via SDS, CallOut, GSM/SMS, SNMP, OPC, in preparation SMTP, Modbus, IEC60870.

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[www.atsonline.de/en/mobile-radio/tetra/applications/tog9040.html](http://www.atsonline.de/en/mobile-radio/tetra/applications/tog9040.html)

ALSO FROM PARTNER

# TMP102

## TETRA TELEMETRY & COMMUNICATION UNIT

**TMP102**  
TMP102 is a telemetry and communication unit that communicates using a TOM100 TETRA Modem. It controls up to 8 telemetry modules -digital input, digital output, analog input, analog output in any combination - and transmits the states or values of input lines and sets the states or values of the outputs lines.

**MARKETS**  
Airports/Harbours, Agriculture/  
Farming, Environment  
Monitoring, Facility  
Management, Manufacturing,  
Telemetry.

**GEOGRAPHICAL SCOPE**  
Africa, Asia Pacific, Europe,  
Latin America, Middle East,  
North America.

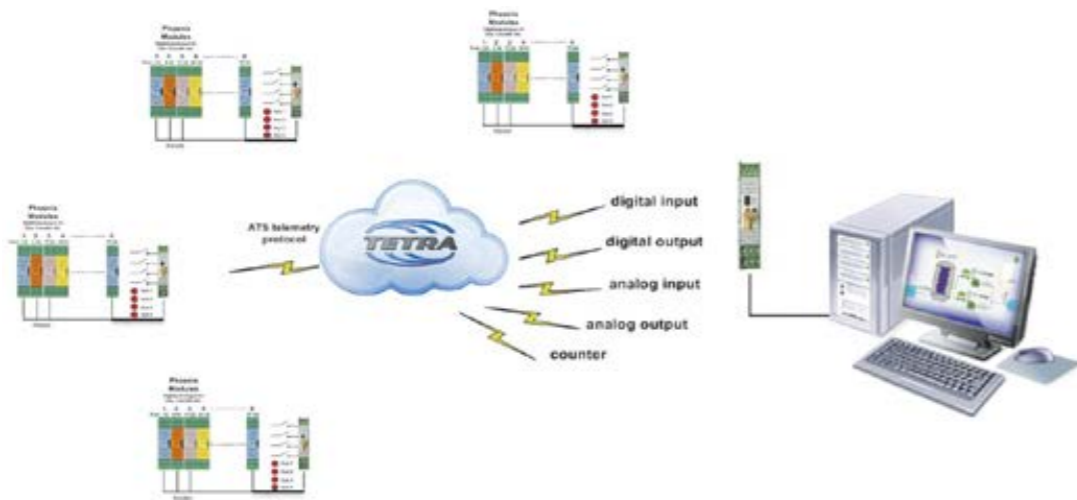
**SUPPORTED LANGUAGES**  
English and German.  
Other languages available  
on request.

The TETRA Telemetry unit TMP102 is applied for automation of technical processes. The unit has got four outputs (open Drain) and an internal TOM100 TETRA module.

The TMP102 can be connected with up to eight Phoenix-Contact modules type RAD-IN/OUT- Analog/Digital to a remote controlled terminal device. It transmits their input values and can control the outputs.

Immediately after start of the TMP102 yu will have complete control of the inputs and outputs.

Within one radio system several remote-control terminal devices (one TMP102 with up to eight Phoenix-Contact modules each) can be operated and controlled by a central office, provided that all TMP102 are within the same TETRA network as the central office and that the TMP102 resp. its internal TMP100 TETRA module have been registered properly.



### SYSTEM REQUIREMENTS AND TYPES

Requires one or more radio networks such as Dimetra, a pool of one or more radios, a telemetry units e.g. TMP102 or COP102, Ethernet infrastructure with IP-clients to be monitored, IPC with windows embedded platform and depending on the alarm scenario if more than SDS, CallOut is required e.g. a ATS TOG9040 software with email-, IP-, GSM, OPC- infrastructure and -access.

### KEY BENEFITS

- **Auto Configuration.** TMP102 recognizes the connected telemetry modules. It remembers the radio device that contacted last and transmits telemetry data to this radio device.
- **Easy Installation.** TMP102 requires only one power supply and an antenna. Extension telemetry modules are pluggable and need no extra power supply. The modules are locked on a mounting rail, no further tools are required.
- **Digital Outputs Onboard.** 4 outputs are present without extension modules.

### KEY FEATURES

- Scalable architecture with up to 8 telemetry modules (In / Output modules from Company Phoenix Contacts).
- 4 digital outputs onboard.
- Message transfer with Motorola TOM100 TETRA modem to e.g. TOG9040 - Telecontrol centre for TETRA Telemetry.
- Useable in afield sites bridges large distances without wires.

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[www.atsonline.de/en/mobile-radio/tetra/applications/tmp102.html](http://www.atsonline.de/en/mobile-radio/tetra/applications/tmp102.html)

ALSO FROM PARTNER

# FOUR. C MOBILE RESOURCE MANAGEMENT SYSTEM

**FOUR. C MOBILE**  
Four. C Mobile is developed in close relationship with TETRA users in the public safety sector. The solution simplifies issues and status handling between the devices and the SOS Alarm and/or command center. Soon also for Microsoft Windows.

**MARKETS**  
Ambulance, Coastguard, Fire, Police, Public Safety/Security.

**GEOGRAPHICAL SCOPE**  
Africa, Europe, Middle East.

**SUPPORTED LANGUAGES**  
English and Swedish.  
Other languages available on request.

Enhances resource management by combining mobile job ticketing, alarm management, status reporting and navigation in intuitive touch-screen based solution.

Four.C alerts mobile workers of incoming job tickets and clearly presents task information on the seven inch screen. During the assignment the always visible virtual status panel also lets them easily report their progress back to command. Depending on the included information both navigation mode and/or talk group changes can be initiated with the push of a button.



## SYSTEM REQUIREMENTS AND TYPES

Supported on Dimetra IP Compact and Dimetra IP Micro on all supported system releases.

## KEY BENEFITS

- **Customisable Status Reporting.** Up to 16 configurable status buttons of which seven are always visible. All statuses can be configured to be sent to two different recipients. Buttons can also be set to initiate automated procedures, like changing talk groups on other radios.
- **Simple Interface.** Distinct colours and structured grids make the interface clearly visible. Control and adjustments of both the navigator and connected TETRA radio can be made.
- **Quick Navigation.** Clear alert tones are given for incoming tickets and alarms, with the job ticket management display activated. Navigation modes and talkgroups can be activated depending on the job ticket information.

## KEY FEATURES

- Job ticketing & task management (storage of tasks/tickets).
- Status reporting.
- Forwarding of tickets and alarms.
- Remote relay control with Geo-fencing capabilities (up to 16x16 buttons).
- Control of connected radio.
- Remote control of other radios.
- Set automated procedures.
- Integrated navigation.
- Configure points-of-interest and customize icons on the map.
- Clean and Clear interface.
- Over-the-air updates.

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ALSO FROM PARTNER

# ACE1000 REMOTE TERMINAL UNIT

## PROCESS AUTOMATION AND DATA COMMUNICATION SIMPLIFIED

### ACE1000

Whether there is a leaking pipe or a damaged power grid breaker miles away from your control center, you need to know about it as soon as possible. Find peace of mind in technology that integrates seamlessly and connects to a variety of equipment ensuring reliable, well-timed process automation and monitoring over a large area.

### MARKETS

Environment Monitoring, Facility Management, Fire, Municipalities/Local Government, Petroleum/Chemical.

### GEOGRAPHICAL SCOPE

Worldwide.

### SUPPORTED LANGUAGES

English.

You can't be in multiple places at once, but with a easy to deploy supervisory control and data acquisition (SCADA) solution you can monitor and control your system as if you were.

The versatile ACE1000 will deliver the data communication and processing you need for a diverse set of applications, without having to completely replace your current operational technologies. In a new, compact package, the ACE1000 is the Remote Terminal Unit (RTU) that will facilitate higher greater productivity and safety quickly and easily.

Its powerful processor allows this RTU to be used in the most demanding SCADA environments. Easy to install and use with a web-based easy-programming tool, the ACE1000 RTU is great for starting a new SCADA system or adding to an existing one.



ACE1000 Remote Terminal unit



MOTOROLA  
SOLUTIONS



### SYSTEM REQUIREMENTS AND TYPES

- Chrome V43.0.2357 and above
- TETRA MTM5200/5400 (including databox)
- TETRA systems which supports Packet data types (Dimetra IP Scalable, Compact, Micro)

### KEY BENEFITS

- **Communicate Effortlessly.** You need technology that works seamlessly with its software and connects to your equipment to ensure reliable, well-timed communications over a large area. You can't be in multiple places at once, but with a reliable SCADA solution you can monitor your system as if you were.
- **Compact and Rugged Design.** The ACE1000 RTU is designed to withstand harsh conditions. Whether it's installed at an offshore drilling platform or an Arctic power station, the environment won't affect the performance of your system.
- **Seamless Configuration.** The ACE1000 has the processing power to function in demanding environments. Its user-friendly configuration tools allow you to set up your whole system, making quick installation and configurations easier for new SCADA users.
- **Intelligent Performance.** Complicated control processes can be time consuming. The ACE1000 allows you to automate processes such as multiple high speed control loops, event capture, and data storage, so you don't need to spend time doing it yourself.

### KEY FEATURES

- Ready for the field RTU.
- Supports TETRA Packet Data.
- Easy-to-use programming tool for new SCADA users or quick installation.
- RTC Back-up Battery to ensure system reliability (at least 20 days at 25 °C).
- Large memory capability for storing and backing-up information (256 MB of low power FLASH Memory and 256 MB of Low power DDR Memory).
- Compliant with ATEX regulations (without radio, in ATEX approved enclosure).
- Powerful processing for demanding SCADA environments (9-30 VDC Input Voltage Range).
- Power-saving option for when environment is not as demanding.
- 3rd Party Modem Support. Cellular modem, leased line modem, data radio, and/or broadband radio support.

Contact your local Motorola representative for further details

W: [motorolasolutions.com](http://motorolasolutions.com)

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[www.motorolasolutions.com/en\\_us/products/industrial-internet-of-things/scada/ace1000-rtu.html](http://www.motorolasolutions.com/en_us/products/industrial-internet-of-things/scada/ace1000-rtu.html)

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ALSO FROM PARTNER



MOTOROLA  
SOLUTIONS

# CAB RADIO

## PERFECT FOR NEW TRAINS AND RETROFITS

**CAB RADIO**  
TETRA radio systems are increasingly used for communication in public forms of local passenger transport. Here, special demands are placed on TETRA systems and their radio components, and in particular on the train equipment. Schnoor Industrie Elektronik has mastered the challenge and has developed specialist solutions for this field of application.

**MARKETS**  
Public Safety/Security, Railroad, Transportation.

**GEOGRAPHICAL SCOPE**  
Africa, Asia Pacific, Europe, Latin America, Middle East, North America.

**SUPPORTED LANGUAGES**  
English and German.

This solution comprises a TETRA 19" frame with the built-in radio transceiver with antenna connector. Furthermore, a passenger announcement (PA) system interface, a connection for a control unit and an interface for a 2-wire connection to a second driver's cab are included. A ½ 19" frame is connected to the two-wire cable at the second driver's cab, the length of this cable may be up to a few hundred meters.

The installation of TETRA cab radios into different train types, in particular into older trains types, requires specific solutions to meet technical needs and at the same time be economically reasonable.



CAB RADIO



### SYSTEM REQUIREMENTS AND TYPES

- Supported on all Dimetra platforms.
- Frequency bands according TETRA mobiles integrated.
- Available for all type of rolling stock.

### KEY BENEFITS

- **Installation of DABT.** The DABT allows ergonomical user-friendly installation also when installed in older train types.
- **Placement.** A dust- and splash water protected cabinet allows installation in vehicles where no suitable space for another installation method is available.
- **Mounting.** For older train types TETRA radio components are installed on a mounting plate to allow easy retrofit of previous analog radio equipment.
- **Frame.** A 19" frame version with all cables connected at the front allows installation in 19" cabinets with low depth.

### KEY FEATURES

- Robust driver control unit offers customized control combined with superb long-term availability.
- Single radio dual cab control configuration or one cab control/one radio configurations available.
- Public address system interface as standard, through train cable interface and public address amplifier retrofit as options.
- Ethernet interface for integration into modern train systems.
- Mechanically robust for use in the rail environment.
- EN 50155 rail norm approval available.
- Supports Motorola TETRA mobile without control head.

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ALSO FROM PARTNER

# TRIM

## CONTROL, MONITOR AND DATA CAPTURE SYSTEM

### TRIM

Getting the right information quickly is essential when responding to a public safety or commercial crisis. Based on efficient TETRA technology, TRIM (TETRA Radio Interface Module) communicates with radios in the field to generate alarms or capture serial data.

### MARKETS

Ambulance, Banks, Fire Brigade, Police, Supermarkets, Transport and Delivery or any organisation requiring an alarm or serial data capture system within TETRA coverage.

### GEOGRAPHICAL SCOPE

Africa, Europe, Middle East.

### SUPPORTED LANGUAGES

Arabic and English.

Systel TRIM is the first stand-alone module capable of interfacing Motorola TETRA radios with external environments, digital I/Os and serial data communications. An effective control monitoring and data capture solution that's fast and reliable.



TRIM



### SYSTEM REQUIREMENTS AND TYPES

Requires TETRA network coverage, portable or mobile radio and TRIM box.

Radio Requirements of Systel TRIM systems – applicable for all Motorola TETRA radios. Compatible with Dimetra IP Scalable.

### KEY BENEFITS

- **Reliable Communications.** The TRIM interface communicates with portable and mobile TETRA radios and instructs them to send SDSs corresponding to I/O configurations.
- **Designed for Versatility.** TRIM is available in two versions for General I/O or Serial Communication. With an unlimited number of I/Os and OTA (Over the Air) configuration capabilities, the box can be used as a part of an alarm and control system or as a data capturing device, which can be connected to a bar code scanner or other serial scanners.
- **Lightweight and Durable.** The box is lightweight but heat and shock resistant for heavy duty use.
- **TRIM Alarm App.** This simple application allows users to view incoming alarms from the TRIM module.

### KEY FEATURES

- Compact, weather-resistant box (9cm X 6cm X 3cm).
- Supports up to 256 alarm and control (input/output) dry contacts.
- All I/Os can be configured as N.O. (Normally Opened) or N.C. (Normally Closed) switches.
- Alarm messages can be sent several times and to several destinations.
- All configurations can be done over the air (OTA) via remote programming.
- Three LEDs provide visual information on the status of the TRIM.
- All alarms are stored in a database for historical purposes.
- Location of alarms shown on a building plan or Google Earth.
- Alarms must be acknowledged by user sending a confirmation to the TRIM box – shows time difference between received alarm and acknowledgment.

### SYSTEL

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ALSO FROM PARTNER



# CANVIEW APPLICATION SOLUTION

## REMOTE DIAGNOSTIC, TRACKING AND MONITORING OF VEHICLES

**CANVIEW**  
Being able to manage your fleet of vehicles from anywhere can really enhance your efficiency. Systel CANView integrates all of the sensors from the CAN (Controller Area Network) car bus interface via a compact computerized module connected to a TETRA radio device.

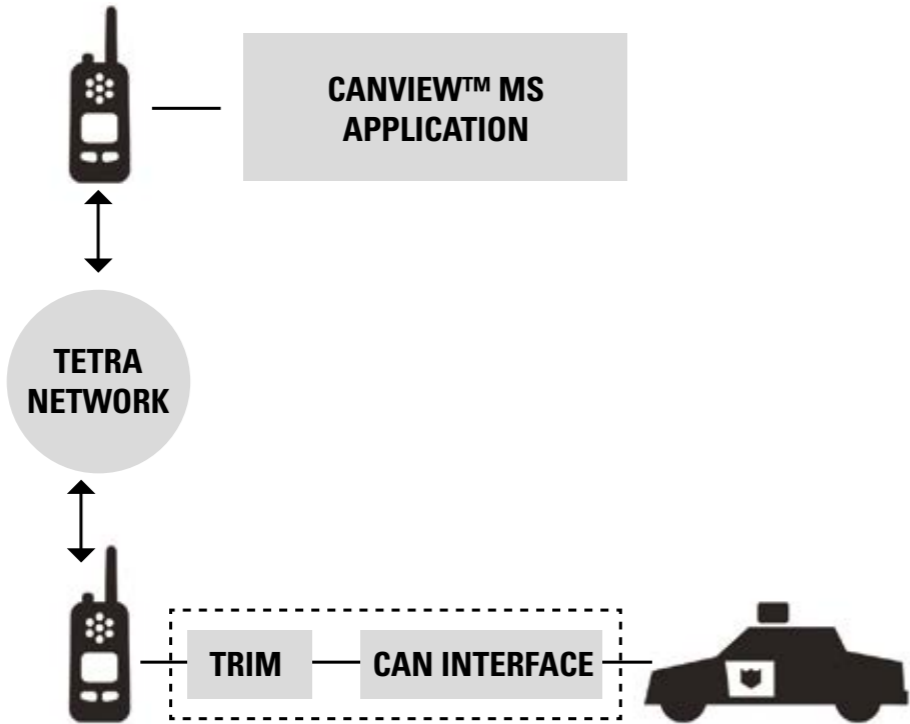
**MARKETS**  
Auto Transportation Companies, Fire, Oil and Gas Companies, Money Transfer Companies, Police.

**GEOGRAPHICAL SCOPE**  
Europe, MEA.

**SUPPORTED LANGUAGES**  
Arabic and English.



Systel CANView Application is a solution for the remote diagnostic, tracking and monitoring of vehicles using a TETRA radio. An easy way to monitor and control vehicles remotely from anywhere.



CANVIEW APPLICATION SOLUTION



### SYSTEM REQUIREMENTS AND TYPES

Requires TETRA network coverage, portable and mobile radios and Controller Area Network (CAN) car bus interface. Compatible with Dimetra IP Scalable.

Radio Requirements of Systel CANView Application – applicable for Motorola MTM800, MTM800E and MTM5400 TETRA radios.

### KEY BENEFITS

- **Easy Retrieval of Data.** The compact TRIM-S (TETRA Radio Interface Module) is integrated with the CAN car module to retrieve data, location and alarms generated from a car computer system.
- **Graphical Display.** Data including vehicle speed, engine RPM, temperature and fuel level is graphically displayed in the application software. All of the sensors and vehicle location are graphically plotted in the application software, giving operators the ability to track and monitor the vehicle remotely.
- **Tracks Location.** Monitor and track vehicle location through Google Earth maps from the application software.
- **In Vehicle Monitoring.** Access and monitor data in the vehicle from the dash board and see technical status in real time.

### KEY FEATURES

- Retrieves data, location and alarms from the car computer.
- Graphically displays data in the application software.
- Allows tracking and monitoring of the vehicle through Google Earth maps.
- Enables in vehicle and remote monitoring.

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WEB:  
[www.systel-telecom.com](http://www.systel-telecom.com)

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# TETRA REMOTE ALARM & CONTROL UNIT - (TETRA REMOTE TERMINAL UNIT)

## INDOOR/OUTDOOR TETRA ALARM & CONTROL UNIT

### TETRA REMOTE ALARM & CONTROL UNIT - TRTU

Monitor and control from a control room computer as well as from radios on the ground.

#### MARKETS

Fire and Emergency Medical Services, Police and Utilities.

#### GEOGRAPHICAL SCOPE

Europe & Middle East.

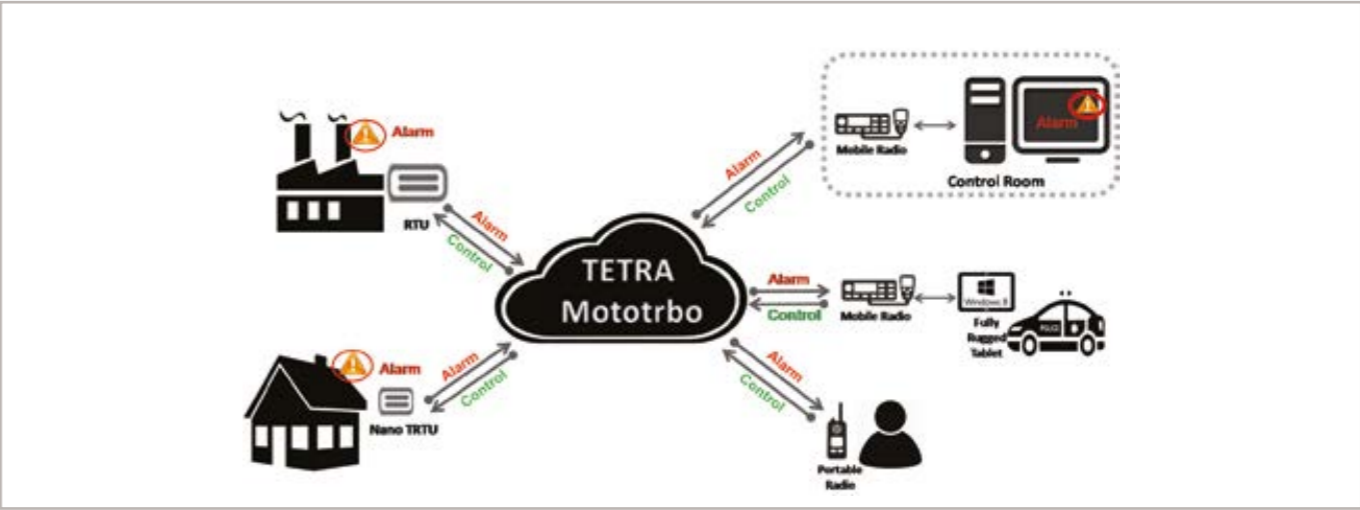
#### SUPPORTED LANGUAGES

English & Arabic. Other languages available on request.

This application manages and translates received alarms and displays the alarm source, type, time, date, and any other relevant information. The triggered alarm location is also plotted on the building plan or on Google Maps, Alarm acknowledgement is sent back to the RTU to ensure a response. All alarms are stored in a database for historical retrievals.



TETRA REMOTE ALARM & CONTROL UNIT



### SYSTEM REQUIREMENTS AND TYPES

- Radio Hardware/Releases Compatibility:
  - Any Motorola TETRA mobile radio.
- Computer Hardware/ Operating Systems:
  - Windows Operating System desktop will be provided to run the application.

### KEY BENEFITS

- Increased security using existing TETRA system.
- High reliability.
- The Remote Terminal Unit can be integrated with any existing alarm system.
- Two versions available for both indoor and outdoor application.

### KEY FEATURES

- Large no. of separate inputs can be programmed as Normally Open or Normally Closed and can be sent to separate destination.
- Alarm sending will be stopped as soon as acknowledgment is received.
- Monitor and control from a control room computer.
- Monitor and control from radios on the ground.
- Power redundancy using a backup battery for power supply in case of AC failure.
- Operation in harsh environments and indoor use.
- The programmed destinations can be configured remotely Over the Air "OTA".

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# ALARM CONTROL SYSTEM (ACS)

## AUTOMATIC ALARM DISPATCH FOR INCREASED SAFETY AND EFFICIENCY

**ACS**  
Keeping workers safe at all times is a fundamental challenge for every organisation but especially those operating in mission-critical environments. ZONITH ACS allows people to remotely acknowledge, decline and close alarms using TETRA radios.

**MARKETS**  
Heavy Industry, Oil & Gas, Power Utilities, Public Safety, Retail, Security.

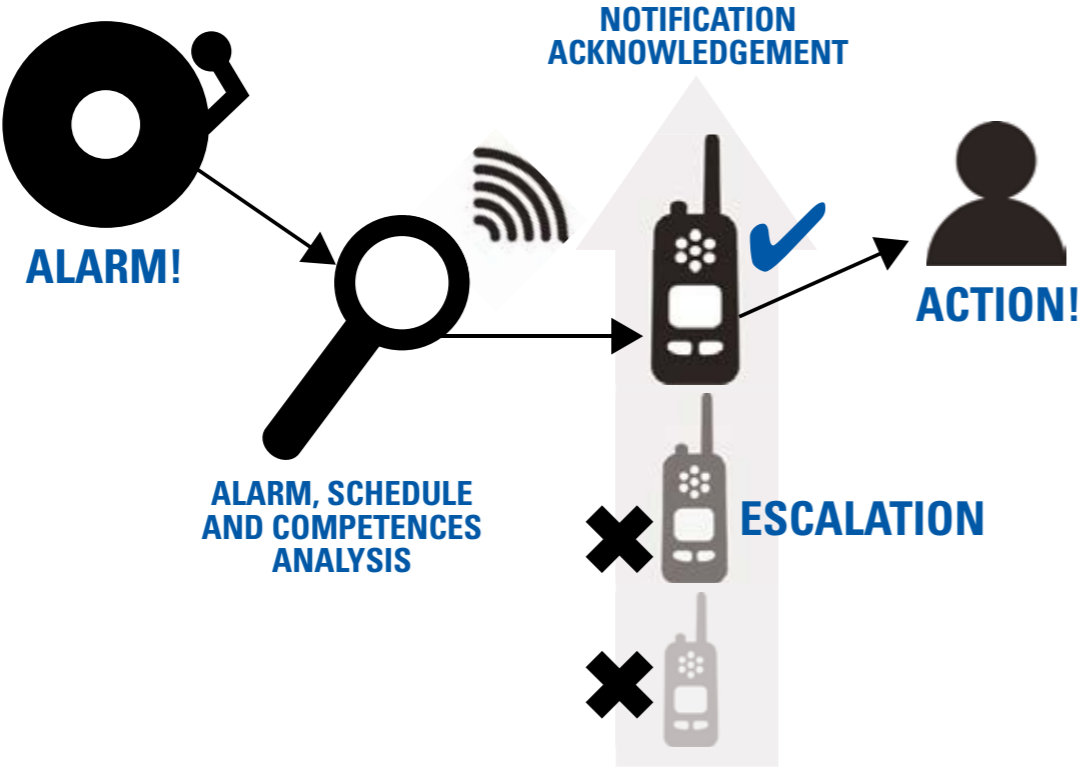
**GEOGRAPHICAL SCOPE**  
Asia, Australia, Europe, Latin America, North America.

**SUPPORTED LANGUAGES**  
English.

ZONITH ACS is a Windows-based software application that intelligently and automatically dispatches emergency and business critical alarms to TETRA radios - an essential alarm control system for monitoring worker safety.

Make your business a significantly more efficient and safe workplace through automatic, intelligent dispatch of alarms and tasks.

ZONITH Alarm Control System picks up alarms from any alarm source. It pairs the alarm with the right on-duty employee through the intelligent scheduler, ensuring that problems get handled at the right time by the right person. The alarms are sent as text messages directly to this person on his or her digital radio, android smartphone app, pager, mobile phone or email account, depending on how critical the alarm is.



ALARM CONTROL SYSTEM (ACS)



### SYSTEM REQUIREMENTS AND TYPES

The ZONITH ACS is entirely Windows-based and requires a Windows PC, TETRA radio, data cable and alarm systems interface.

Radio Requirements of the ZONITH Alarm Control System – applicable for all TETRA two-way radios.

### KEY BENEFITS

- **Instant Awareness.** ACS instantly notifies workers about critical safety or technical alarms, allowing them to take immediate action to reduce their risk and minimise operational down time.
- **Improved Efficiency.** With ACS, your workforce can receive, read and manage alarms or tasks while on the move without needing to return to the control room or alarm panel.
- **Cost Effective.** Workers no longer need to carry separate devices to receive alarm messages. By combining voice and messaging in one device, legacy systems can be removed for lower operational costs.

### KEY FEATURES

- Instant notification about critical alarms.
- Receive, read and manage alarms or tasks on the go.
- Automatically selects responders based on their availability, location and skill set.
- Fully automated to improve the way people work and manage their time.
- Automatically escalates alarm messages until a positive response is returned – alarms are initially sent to primary responders and then to back-up responders until action is taken.
- Dispatches alarm messages to digital radios, mobile phones, paging devices or e-mail clients.

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ALSO FROM PARTNER

# REMOTE TELEMETRY & CONTROL UNIT (RTCU)

## REMOTE MONITORING AND CONTROL VIA TETRA NETWORKSAFETY AND EFFICIENCY

### RTCU

Whenever there is a need for secure and reliable monitoring and control of remote technical installations, Zonith's Remote Telemetry and Control Unit (RTCU) will do the job. Saving you miles of cables it wirelessly transmits alarms safely to personnel.

### MARKETS

Energy Generation, Environment Monitoring, Heavy Industry, Oil & Gas, Pharmaceuticals, Power Utilities, Public Safety, Security.

### GEOGRAPHICAL SCOPE

Asia, Australia, Europe, Latin America, North America.

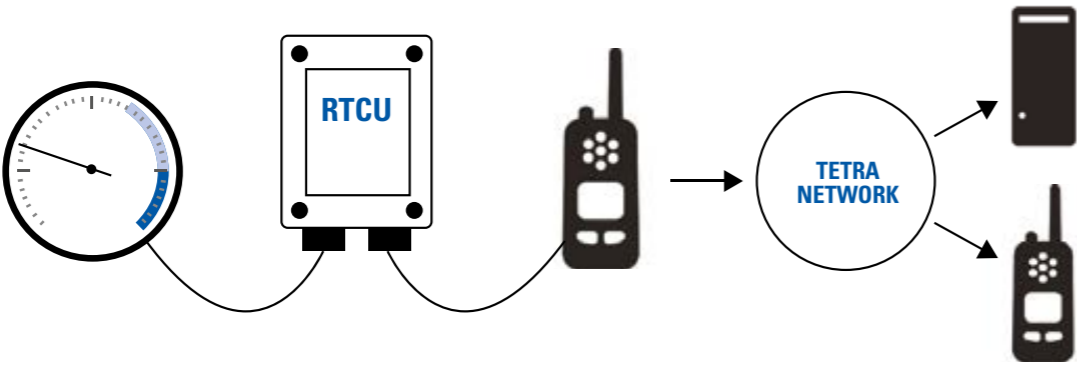
### SUPPORTED LANGUAGES

English.

ZONITH RTCU is a small remote telemetry and control unit that communicates using a connected TETRA radio or the built-in GSM modem. An easy and effective solution that monitors threshold levels for a more efficient workplace.

For a more efficient workplace, the RTCU saves you the trip to remote installations unless it is absolutely necessary. The RTCU connects to alarm sources and sends text messages via GSM or TETRA if a threshold level is reached. It can also be used for remote control of lights, gates, sound or other technical installations - directly from your handset.

Remote installations that previously had to be controlled manually can now be monitored and remotely controlled by personnel on the ground through their TETRA radios. The RTCU operates on a TETRA network (and GSM), which is used for public safety and security communication, and is the safest wireless way to transmit information.



### SYSTEM REQUIREMENTS AND TYPES

The ZONITH RTCU works on TETRA networks and requires a Windows-based computer for software installation.

Radio Requirements of the ZONITH RTCU – applicable for all TETRA radios and networks. Transmission and reception of high priority messages requires Motorola Call-Out software license.

### KEY BENEFITS

- **Easy Configuration.** This small hardware unit can easily be installed and connected to any technical installation with input and output signals. The unit is delivered pre-configured with a simple step-by-step installation guide.
- **Remote Control and Monitoring.** Remote installations can be monitored by personnel using a TETRA radio or mobile phone on the ground. They can also be managed from a control room.
- **Cost Effective.** The RTCU provides a cost effective solution by using your existing telecom network.
- **Tough, Versatile and Secure.** With an IP67 rating, RTCU has proven reliability in harsh environmental conditions. It supports remote monitoring and control of exposed installations such as pipelines, tunnels and wind farm installations.
- **Effortless Functionality.** Instantly sends a message when an input is activated or a threshold value has been reached. Output signals and relays can be activated by sending an SDS or SMS text message back to the unit from a radio or control room software application.

### KEY FEATURES

- Integrates seamlessly with Motorola Call-Out, enabling the transmission of high priority SDS messages between the RTCU and radio users.
- Easy installation via input and output signals.
- Communicates using a connected TETRA radio or via built-in GSM modem.
- Monitor and control from TETRA radios or mobile phones on the ground.
- Monitor and control from a control room computer.
- Output signals and relays can be activated by sending an SDS or SMS text message back to the unit from a radio or control room software application.
- Remotely control lights, gates, sound systems and other technical installations directly from a handset.
- Fully certified to IP67 for proven operation in harsh environments.
- Self monitoring 'heart beat' feature highlights any maintenance needs or communication failures.
- GSM communication fail-over if TETRA communication is down.

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WEB:

[www.zonith.com/products/rtcu](http://www.zonith.com/products/rtcu)

BROCHURE:

[www.zonith.com/fileadmin/BrochuresAndCaseStories/ZONITH\\_RTCU\\_Brochure.pdf](http://www.zonith.com/fileadmin/BrochuresAndCaseStories/ZONITH_RTCU_Brochure.pdf)

ALSO FROM PARTNER

ZONITH

RTCU

ZONITH

# ALARM MANAGEMENT AND STAFF SAFETY SOLUTION FOR OFFSHORE OIL AND GAS ENVIRONMENTS

## OIL & GAS SOLUTION

Any advanced technical installation needs monitoring of alarms and fast fault resolution to avoid downtime, danger to employees or damage to machinery. Zonith's Oil and Gas solutions increase safety and communications in naturally remote and harsh environments.

### MARKETS

Offshore Oil & Gas,  
Petrochemical industry.

### GEOGRAPHICAL SCOPE

Asia, Australia, Canada, Europe,  
Greenland, Latin America.

### SUPPORTED LANGUAGES

English.

ZONITH Offshore Oil & Gas Alarm Management and Staff Safety Solution is a critical alarm monitoring system for offshore rigs. An effective way of quickly identifying and resolving faults to avoid downtime and potentially dangerous situations.

Critical alarm monitoring and fast fault resolution are essential in advanced offshore installations to avoid downtime, danger to employees or damage to machinery. The ZONITH Offshore Oil & Gas Alarm Management and Staff Safety Solution identifies and resolves faults quickly in harsh and potentially explosive environments where resources are limited.



OFFSHORE OIL & GAS ALARM MANAGEMENT AND STAFF SAFETY SOLUTION



## SYSTEM REQUIREMENTS AND TYPES

Interfaces to Dimetra via a Direct Short Data Router interface and Mobile TETRA radio PEI interface. The solution is entirely Windows based and requires a Windows Server and interfacing hardware.

Radio Requirements of the ZONITH Offshore Oil & Gas Alarm Management and Staff Safety Solution – applicable for all TETRA radios with displays (ATEX and Non-ATEX).

## KEY BENEFITS

- **Constant Monitoring.** Keeps a constant 'around the clock' check on alarms to ensure the installation is as safe as it can possible be. Also performs a TETRA network alive check.
- **Fast Response and Communication.** Immediately identifies faults and sends a TETRA alarm paging alert via SDS using fire alarm systems, rig control networks, drill control networks and general alarm systems.
- **Easy Interfacing.** Interfaces to distributed alarm systems via OPC, ESPA4.4.4 or SNMP.
- **Safety First.** Protects lone workers on the rig using SDS messaging on TETRA radios.

## KEY FEATURES

- TETRA alarm paging via SDS from fire alarm systems, rig control networks (RCN), drill control networks (DCN) and the general alarm (GA) system.
- Interfacing to distributed alarm systems via OPC, ESPA4.4.4 or SNMP.
- Low power emergency shutdown via TETRA radios.
- Lone-worker protection using SDS messaging on TETRA radios.
- TETRA network alive check.

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#### WEB:

[www.zonith.com/solutions/offshore-oil-gas-solution](http://www.zonith.com/solutions/offshore-oil-gas-solution)

#### BROCHURE:

[www.zonith.com/fileadmin/BrochuresAndCaseStories/ZONITH\\_Industry\\_Solution\\_Oil\\_\\_\\_Gas.pdf](http://www.zonith.com/fileadmin/BrochuresAndCaseStories/ZONITH_Industry_Solution_Oil___Gas.pdf)

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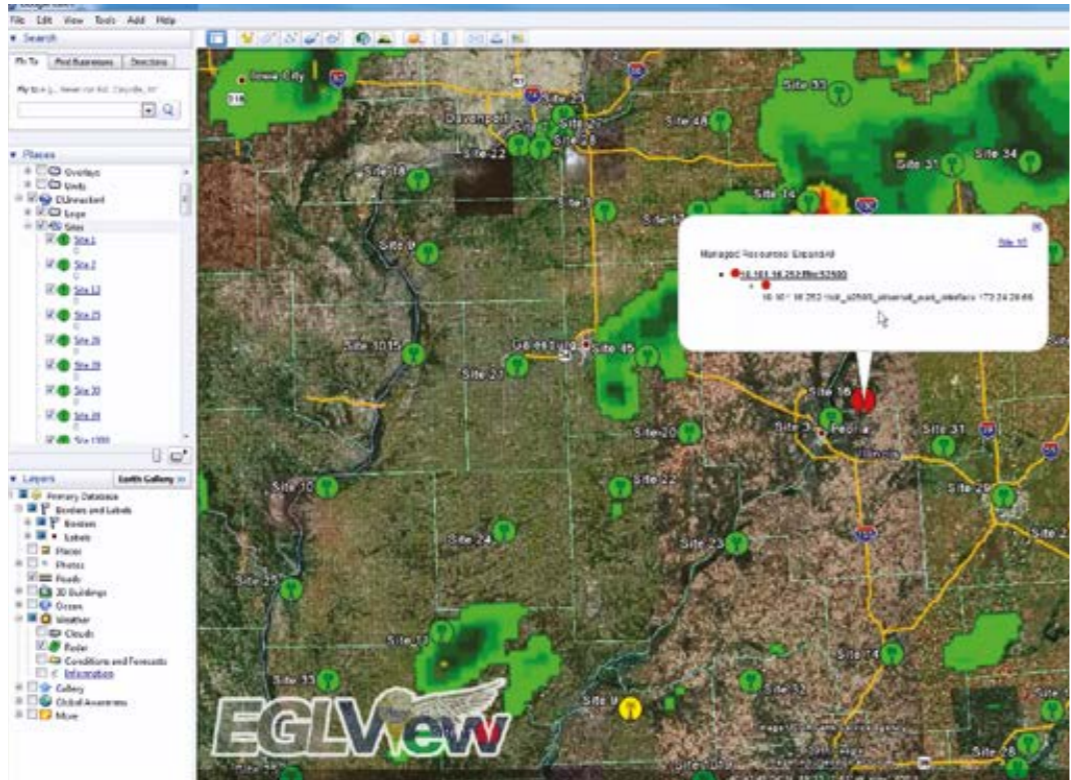
# GENWATCH3® – AIR TRAFFIC INFORMATION ACCESS PERFORMANCE MANAGEMENT SOFTWARE FOR MOTOROLA DIMETRA NETWORKS

## GENWATCH3® – AIR TRAFFIC INFORMATION ACCESS

GW3-ATIA  
customers will  
gain the ability to  
monitor, archive and  
report on all system  
activity.

- MARKETS**  
Fire and Emergency Medical  
Services, National Government  
Security, and Police.
- GEOGRAPHICAL SCOPE**  
Worldwide.
- SUPPORTED LANGUAGES**  
English.

GW3-ATIA creates centralized monitoring, management, reporting, analytics and notifications for Dimetra Systems. It allows users to easily view and monitor live radio and data traffic, report on system and subscriber activity as well as manage resources down to the subscriber level. Additional input streams such as UEM, IV&D and Enhanced Data and UNS, can be monitored simultaneously.



GENWATCH3® – AIR TRAFFIC INFORMATION ACCESS



## SYSTEM REQUIREMENTS AND TYPES

- IP Technology:
  - ATIA enabled to receive ATR info
- Computer Hardware/ Operating Systems:
  - Desktop Host (Dimetra Compact or Micro) - Quad Core Processor - Windows 7or newer, 8GB RAM, 300GB HD, Office Pro 2013, 1GB Non-Integrated Graphics Card
  - GW3-ATIA Server (Dimetra) - Server Class, Quad Core, 24 GB RAM, 2 TB of HD Space, Windows Server 2012, MS SQL 2014.

## KEY BENEFITS

- GW3-ATIA customers will gain the ability to monitor, archive and report on all system activity. Enabling them to monitor, manage and report on all usage and configure their network accordingly.
- All system information flows to a central location, reducing the need for on-site technician visits, thus saving time and money.
- Users are also able to create triggers to be notified of system alarms, failures and interference.

## KEY FEATURES

- Compatible with all Dimetra Platforms.
- Reports are flexible, using MS Excel.
- Multi-Site and Multi-Tenancy Compatible.
- Data Archiving for an average of 5 years.
- All radio and data traffic information monitored real-time and available for forensic reporting and analysis.
- Solution also includes web-based dashboard views of system performance and status.

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**BROCHURE:**  
[www.genesisworld.com/assets/uploads/PDF/GenWatch3.pdf](http://www.genesisworld.com/assets/uploads/PDF/GenWatch3.pdf)

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**VIDEOS:**  
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# GENWATCH3® TRIO™

## BILLING AND PROVISIONING SOLUTION

**GENWATCH3®**  
GenWatch3® combines power and innovation to provide the tools necessary to monitor, manage and report on ASTRO 25 and Dimetra two-way communications networks. GenWatch3® gathers information from multiple connection points and provides at-a-glance views of network performance from every angle from system-wide down to the subscriber.

**MARKETS**  
Ambulance, Fire, Police, Public Safety, Utility Companies.

**GEOGRAPHICAL SCOPE**  
Asia, Australia, Europe, Latin America, New Zealand North America.

**SUPPORTED LANGUAGES**  
English and Spanish (Reports can be presented in any language that is supported by MS Excel®).

The Genesis Group GenWatch3® Trio™ is a Windows® based Customer Care and Billing solution. It is designed to help manage and bill thousands of accounts associated with the SMARTZONE, ASTRO® and Dimetra trunking systems.

Precise provisioning and management of inventory, accounting, billing and client care are hallmarks of a strong business. Genesis Trio is designed to work specifically with Dimetra and ASTRO® systems, assembling individual usage details such as telephone, group call and private call to generate accurate billing according to the rules you set. In-depth reports provide detailed metrics for market and traffic analysis.



GENWATCH3® TRIO



### SYSTEM REQUIREMENTS AND TYPES

Requires a LAN connection to the Zone Controller. It is supported on Dimetra IP, Dimetra IP Micro and Dimetra IP Compact.

No specific TETRA radio requirements.

### KEY BENEFITS

- **Complete Billing Solution.** Takes total control of your billing by enabling you to go from contract to invoice for Dimetra and SMARTZONE wireless communication systems.
- **Easy to Use.** Simple to set up and use - activate, deactivate and change user features in the System Controller from your GUI screen.
- **All Your Company information in One Place.** Stores and utilises a wealth of data to more efficiently manage your customers and radio systems. Multiple companies can be accessed from one installation of Trio. Trio records Company Name, Address, Phone, Email, Shipping Info, Customer Care contacts and Billing Options by company. Define open/close accounting periods manually or automatically.

### KEY FEATURES

- Set up Churn codes to define why radio units are activated or deactivated and set up billing frequencies and cycles for use during invoicing.
- Access to all customer care information from one screen.
- Store multiple billing and shipping addresses per customer and set default address and options for each (invoice detail, language, frequency etc).
- View and manage discount and recurring charges assigned to a customer - lists all transactions posted to an account and displays the total balance.
- Basic Commissioning & Inventory module stores information about each individual inventory item.
- Invoice customers on a monthly, quarterly, semi-annual or annual basis and create one-time invoices for non-recurring charges.
- Fixed Fee Calculation - Allows automatic pro-rating of normal monthly fees.
- Interface to Client Master Accounting System supplier or VAR.
- Utilises SAP Crystal Reports as the basis for billing to create professional invoices complete with logos and comments.

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**WEB:**  
[www.genesisworld.com/product/gw3](http://www.genesisworld.com/product/gw3)

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**VIDEOS:**  
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# IHM STATUS PANEL

## ONE BUTTON PUSH TO TRANSMIT AN SDS OR A STATUS MESSAGE

### IHM STATUS PANEL

The IHM status panel is designed with consideration for the environment it is to be used in. It makes it simple and easy to transmit text and status messages from TETRA mobile radios, even when using gloves.

#### MARKETS

Ambulance, Fire, Police.

#### GEOGRAPHICAL SCOPE

Europe.

#### SUPPORTED LANGUAGES

All languages supported by application.

IHM Status Panel makes it simple to transmit status and SDS messages from a mobile TETRA installation. The Status Panel makes it possible to receive a job including destination address and then automatically program the destination to a connected Garmin Navigator for this to start navigating.

Send jobs to police cars, fire trucks or ambulances from a control center including destination address for fast and precise dispatching and total understanding. You receive fast and accurate status messages from your vehicles, providing you with an overview of the actual status of your resources.



### SYSTEM REQUIREMENTS AND TYPES

Connects to MOTOROLA TETRA MTM800E, MTM5400 and MTP850S in DCK Car kit via a PEI interface.  
Connects to Garmin Navigator with FMI cable.

Radio Requirements of the IHM Status Panel – applicable for MTM800E, MTM5400 and MTP850S TETRA radios with Dimetra IP System Release 7.1, Dimetra IP Compact or Scalable Dimetra Release 4.1 or Dimetra IP Micro/Dimetra LiTE Release 2.0.

### KEY BENEFITS

- **Efficient Information Exchange.** Provides the most efficient way for information to be exchanged between the vehicle and control centre.
- **One Touch Operation.** Status messages can be sent to several control rooms (GSSI/ISSI) by pressing just one key. After having sent the status message the button will remain illuminated. In this way you can see the latest message sent to the control centre at a glance.
- **Easy to Use.** Features large buttons allowing users to easily send messages even while wearing gloves.
- **Quick Navigation.** With a Garmin Navigator connected to the Status Panel, vehicles can receive jobs including destination address. The destination will automatically be transferred to the navigator for instant navigation.

### KEY FEATURES

- Customisable button text and colours.
- Rugged design - fully dust and water proof.
- Small size fits into almost any public safety vehicle.
- Messages for 'Depart' and 'Arrive' can be sent automatically.
- Proven technology with over 1500 units installed.

#### IHM

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ALSO FROM PARTNER

# MIMER MAPVIEW PRESENTS YOUR RADIO UNITS ON MAP UTILIZING GOOGLE MAPS

## MIMER MAPVIEW

To know where your resources are is a key benefit for a radio dispatcher. With Mimer MapView you will always have the latest position at hand.

### MARKETS

Ambulance, Command & Control Centers, Fire, Police, Transportation.

### GEOGRAPHICAL SCOPE

Africa, Asia Pacific, Europe, Latin America, Middle East, North America.

### SUPPORTED LANGUAGES

Danish, Dutch, English, German, Korean, Polish, Swedish, Turkish. Other languages available on request.

Mimer MapView is an add-on to our VoIP system Mimer SoftRadio. It will display your radios positions on a map using Google Maps. It will also highlight radios that are in emergency mode.

The map can be zoomed to the exact view that you need and specific radios can easily be centered on the map. Each radio can have its own icon and text label for fast viewing.



MIMER MAPVIEW



## SYSTEM REQUIREMENTS AND TYPES

The GPS equipped radios in the TETRA system shall send their positioning info to one specific radio unit that is connected to Map View. The infrastructure type is not relevant.

## KEY BENEFITS

- **Emergency Control.** Incoming emergency's are shown both with specific alarm icons and with an audio alarm signal. The alarm is always zoomed in on the map and shown on top in the radio list.
- **Call and Text.** By right clicking on the radio icon or in the radio list you get menus for sending a call or a text message to the radio.
- **Radio List.** In a server application you setup a list of your TETRA radio resources. Here you specify for example what name and icon you would like to show on the map.
- **One User or Many.** The server information can be placed on the same PC as the operator is using or placed on a machine shared by many operators. All connections are made in a standard LAN environment. The system is scalable so that you can start small and grow.
- **Infrastructure.** Mimer MapView is fully integrated with all functions of Mimer SoftRadio so you can share the same radio resources. It connects to one or more TETRA radios, not to the infrastructure, this means that you can use any type and size of TETRA system. You can also connect other (TETRA or non TETRA) radios that handles GPS information to the MapView.

## KEY FEATURES

- Click on a radio and zoom in on that radios position.
- In the case of an incoming emergency the map will automatically zoom to the radio.
- Hide all radios from the map, but the emergency. Click on a radio in the list or on the map and send a call or a text message.
- Make your own fixed points on the map, for example your office or an important customer.
- Use all functions in Google Maps, for example a satellite photo instead of a map chart.

FIND  
OUT  
MORE

WEB:  
[www.softradio.se/MapView.htm](http://www.softradio.se/MapView.htm)

ALSO FROM PARTNER

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# MIMER SOFTRADIO

## IP NETWORK BASED CONTROL OF TWO-WAY RADIOS

### MIMER SOFTRADIO

Operating your two-way radio from your PC brings radio operation into the computer era. No more radios filling up desk space! No more expensive leased lines!

#### MARKETS

All TETRA users  
(Airport/Harbours).

#### GEOGRAPHICAL SCOPE

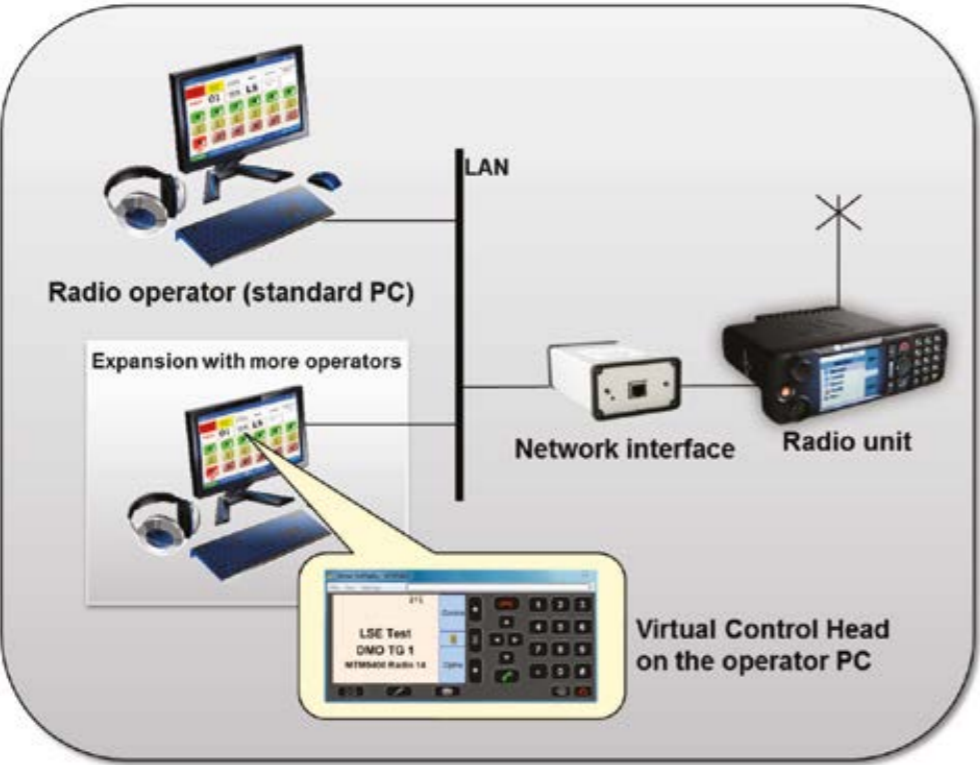
Worldwide.

#### SUPPORTED LANGUAGES

Danish, Dutch, English, German,  
Korean, Polish, Swedish, Turkish.  
Other languages available  
on request.

Mimer SoftRadio is a VoIP dispatch application that allows communication with radio users on different types of networks. It works over LAN, WAN and also over the Internet. The system can be connected to a standard mobile radio, for example an MTM5400. The functions programmed into that radio can be used from the operator position with the help of a virtual control head.

Being able to manage your radios from anywhere enhances operational efficiency. Mimer SoftRadio presents virtual control heads for TETRA radios as well as other types of two-way radio, giving the feeling of sitting in front of the radio.



MIMER SOFTRADIO



### SYSTEM REQUIREMENTS AND TYPES

The operator PC is required to have Win7 or Win8. Requires an IP network connection and an audio card with microphone and speakers.

Supported on all platforms, including Dimetra IP Scalable, Dimetra IP Compact and Dimetra IP Micro. The system also runs in Direct Mode.

### KEY BENEFITS

- **Remote Control.** Offers the ability to remotely control one or more TETRA radios from any PC; or control each radio from many PCs to build up control rooms. It feels like sitting in front of the radio.
- **Simple Radio Interface.** Easy to understand Graphical User Interface with a virtual control head providing the appearance of a radio screen.
- **Flexible All-in-One Solution.** Multiple types of radios and multiple locations can be integrated, making it easy to incorporate into existing systems.

### KEY FEATURES

- Graphical User Interface (GUI) looks and feels the same as a radio.
- Talkgroup calls, individual calls, textmessaging etc.
- Each operator can control one or many TETRA radios, and/or other radios, as a standard the software supports 8 or 30 radios, which can be expanded upon request.
- Each radio can be remote controlled by many operators.
- Proven technology with more than 1000 radios being controlled across 40+ countries.
- The system is not TETRA platform dependent.
- Desktop microphone provided.
- Works with standard PC audio accessories.
- Add-ons to the system includes cross patch between TETRA, analogue and DMR; phone connection; voice recording; status message logging; GPS based map system; and I/O control.

#### LS ELEKTRONIK AB

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[www.softradio.se/softradio.htm](http://www.softradio.se/softradio.htm)

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# iTM INTEGRATED TERMINAL MANAGEMENT SYSTEM

**iTM**  
iTM simplifies the work of the TETRA radio manager. It enables the automation of tasks such as fleetmap changes and software upgrades and makes it much more efficient to audit radio assets and to implement software version control.

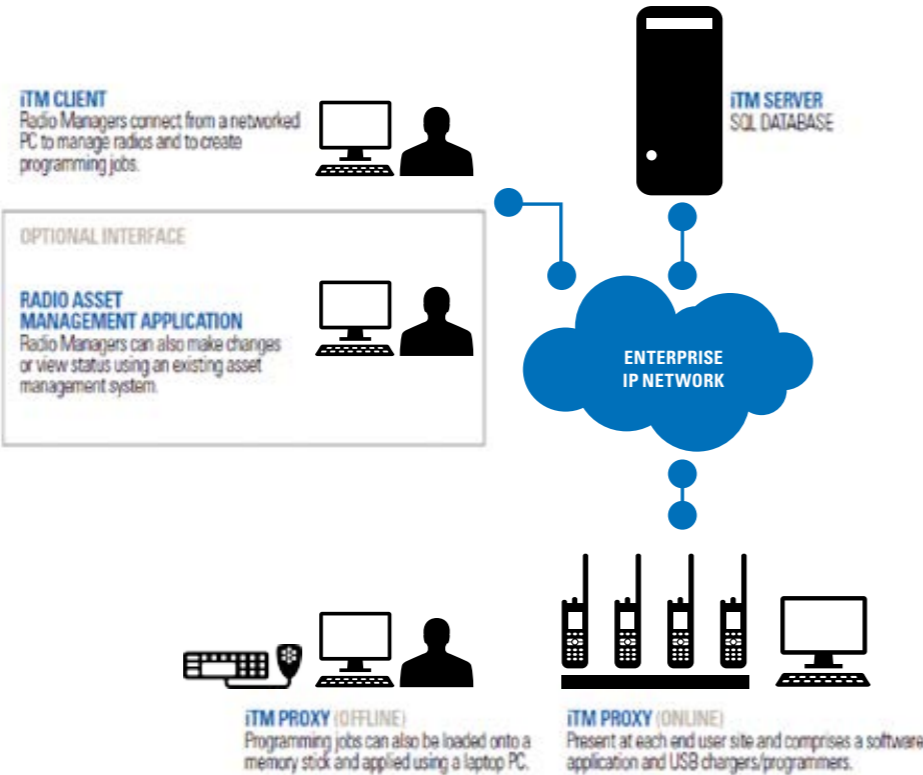
**MARKETS**  
All Motorola Solutions TETRA Radio Users.

**GEOGRAPHICAL SCOPE**  
Worldwide.

**SUPPORTED LANGUAGES**  
English and German.

Manually programming a fleet of radios is not just time consuming, it also reduces your productivity. By centralising and automating radio programming, software maintenance and upgrades, our Integrated Terminal Management (iTM) system answers the call for a simplified and efficient approach to managing radios in the field.

Based on a centralised system architecture, Motorola's iTM solution provides a number of benefits.



## SYSTEM REQUIREMENTS AND TYPES

iTM ENTERPRISE (SERVER) VERSION

**PROXY** - Hardware: Intel Core i3 3.0 3.0 GHz or above 4 GB RAM, 25GB of free hard disk space, at least one USB 2.0 port, Operating System: Windows 7 (32/64 bit), Windows 8.1 (32/64 bit).

**CLIENT** - Hardware: Intel Core i3 3.0 3.0 GHz or above 4 GB RAM, 25GB of free hard disk space, Operating System: Windows 7(32/64 bit), Windows 8.1(32/64 bit).

**SERVER** - Hardware (minimum requirement for supporting up to 150,000 radios): Intel Xeon 3 GHz, 8 GB RAM and 250 GB of free hard disk space, Operating Sys-tem: Windows Server 2008 (32/64 bit), Windows Server 2012 R2 (32/64 bit), Windows 7 (32/64 bit), Windows 8.1 (32/64 bit).

## KEY BENEFITS

- **Efficient Management.** It allows you to deliver fast, flexible and controlled changes and upgrades to your radio fleet and you can seamlessly introduce enhancements and keep radios in service for more of the time - all with a rapid return on your investment.
- **Simplified Asset Management.** It greatly simplifies the scheduling and editing of jobs making it easy to transfer tasks to remote stations when needed. Multiple radio fleet managers (client users) can also set up versatile programming jobs concurrently, from any convenient location.
- **Integration with Established Work Practices.** iTM is perfectly suited for front line operation with handheld radios. Your staff members can simply place their radios into single or multi unit charger with programming capabilities at the end of a work shift – so when updates are required, these can occur automatically without impacting workforce productivity.

## KEY FEATURES

- Flexible configuration changes, software updates or feature activations to one or multiple radios.
- Allows multiple pre-defined radio profiles to be applied to one or more radios for flexible and rapid terminal re-configuration.
- Time scheduled and repeatable programming jobs to set up radios for special events.
- Audit by user name to diagnose errors or aid administrator training.
- System expansion and new terminal features can be implemented centrally via a license key.
- Online system backup. Allows full iTM operation during backup.
- Image Management: use the PICS image sharing platform to streamline audit trail.

Contact your local Motorola representative for further details

W: [motorolasolutions.com](http://motorolasolutions.com)

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WEB:  
[www.motorolasolutions.com/en\\_xu/products/dimetra-tetra/terminals/integrated-terminal-management-system.html](http://www.motorolasolutions.com/en_xu/products/dimetra-tetra/terminals/integrated-terminal-management-system.html)

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MOTOROLA  
SOLUTIONS

iTM



MOTOROLA  
SOLUTIONS

# TRACES

## TETRA RF AUTOMATED COVERAGE EVALUATION SOLUTION

### TRACES

Whether you're an operator or end-user, TRACES gives you the vision you need to stay in total control of your network. Gain visibility of network performance and coverage with Motorola TRACES – the TETRA RF Automated Coverage and Evaluation Solution.

#### MARKETS

All TETRA Network users; optionally TETRA Network operators.

#### GEOGRAPHICAL SCOPE

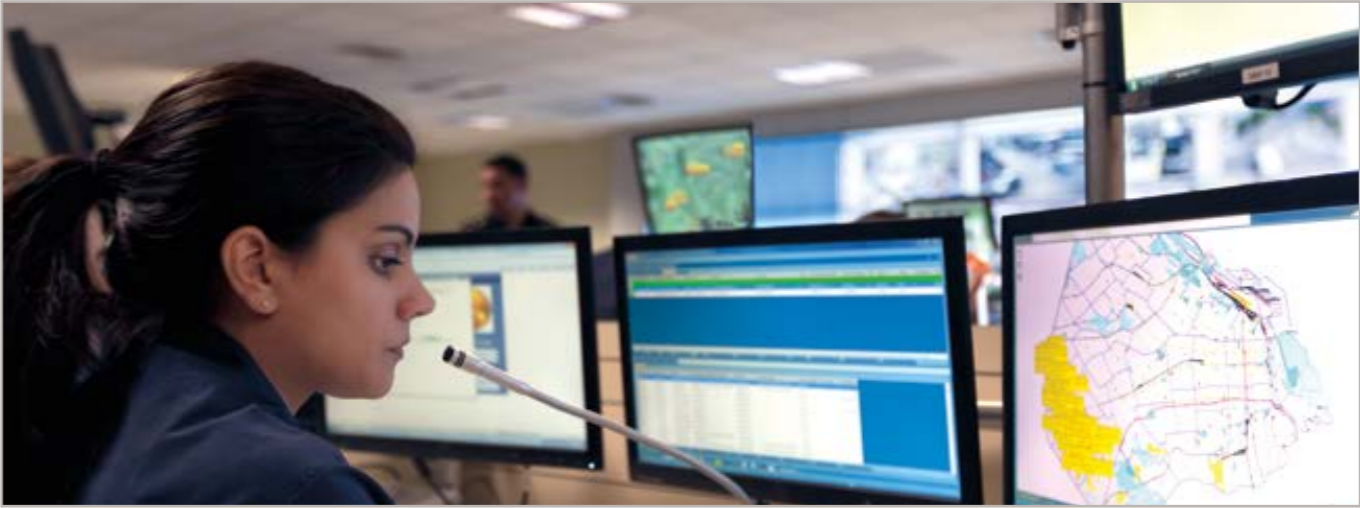
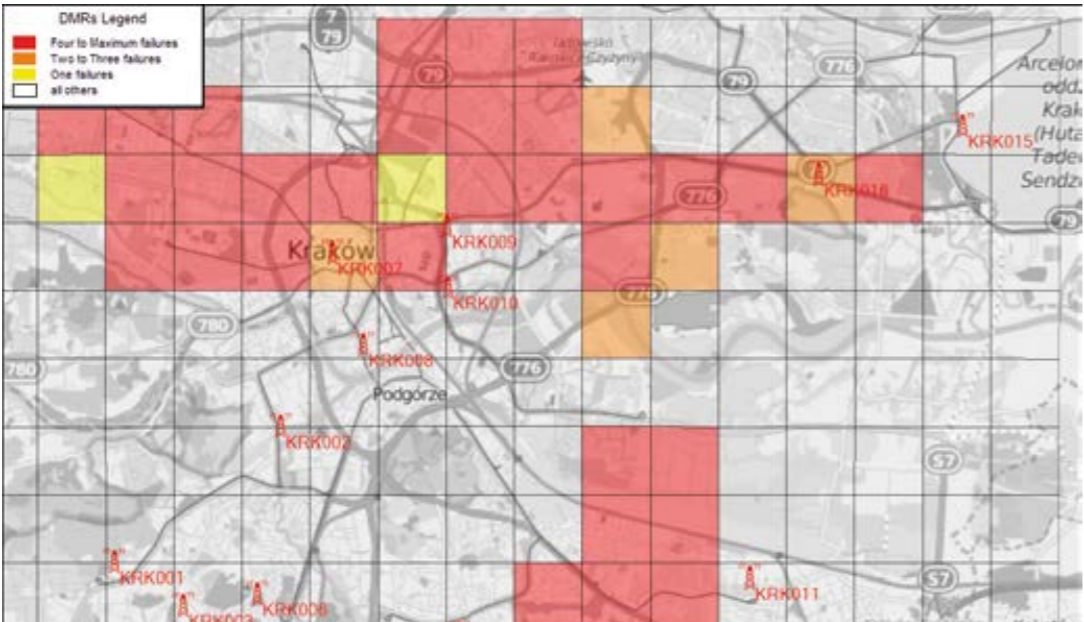
Worldwide.

#### SUPPORTED LANGUAGES

English.

Motorola TRACES, the TETRA RF Automated Coverage Evaluation Solution, collects and analyses observed, real-world data about a Network's coverage, then displays it in a form you can easily interpret.

TRACES' cost-efficient network analysis can help your organisation to maximise its resources.



### SYSTEM REQUIREMENTS AND TYPES

Can be utilised on TETRA network infrastructure equipment supplied by various vendors.

Fully compatible with Industry standard mapping software – MapInfo.

End user version uses iTM to gather data from Motorola Terminals.

Operator version available - gathers data from Motorola base stations.

### KEY BENEFITS

- **Safeguard Your People.** TRACES indicates areas of weak network coverage to aid resource planning. It helps to avoid sending personnel to areas where they cannot communicate clearly.
- **Improve Service Quality.** TRACES builds a deeper understanding of network performance. So you can work with your operator to develop an improvement strategy. TRACES data provides clear evidence of any service level agreement breaches.
- **Timely Data.** TRACES quickly gathers real-world data and creates a clear picture of network coverage. You can flag issues to your operator faster and ensure that network problems do not cause downtime.
- **Cut Costs.** It reduces reliance on drive testing. Streamlines the administration of cataloguing and storing the data. TRACES translates data into service metrics automatically.

### KEY FEATURES

- Collection of network data stored on end user terminals via Motorola's Integrated Terminal Management platform (iTM) 1 –without making changes to network or daily activities.
- Automated analysis of drive test data.
- Central consolidated platform with easy-to-use interface.
- Visualisation of Coverage.

Contact your local Motorola representative for further details

W: [motorolasolutions.com](http://motorolasolutions.com)

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[www.motorolasolutions.com/en\\_xu/services/support/network-optimization-services/traces.html](http://www.motorolasolutions.com/en_xu/services/support/network-optimization-services/traces.html)  
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VIDEO:  
<http://bcove.me/r798shqr>

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SOLUTIONS

TRACES



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# SSIC SMART SERIAL INTERFACE CABLE

## SUPPORTS WIDE RANGE OF LINEAR AND TWO DIMENSIONAL BARCODES

### SSIC

Quickly and easily check stock with the SSIC. The Smart Serial Interface cable interfaces between Motorola TETRA portables and barcode readers, allowing barcode information to be sent to one or more destinations including back-end stock management systems.

### MARKETS

Airports, Ambulance, Hospitals, Police, Retail Stores.

### GEOGRAPHICAL SCOPE

Europe, MEA.

### SUPPORTED LANGUAGES

Arabic and English.

The Systel Smart Serial Interface Cable is a new interface between any Motorola Tetra portable radio and serial barcode readers. An effective solution for sending data from readers to individuals or storage applications via your TETRA radio.

Retrieving, sharing and storing data from barcode readers improves efficiency and enhances customer service. The SSIC Smart Serial Interface Cable enables users to easily use their TETRA radio to acquire information from readers and send it to one of more destinations, other Motorola TETRA radios or an application that stores and organises data.



SSIC SMART SERIAL INTERFACE CABLE



### SYSTEM REQUIREMENTS AND TYPES

Requires TETRA network coverage, Motorola portable radio and SSI cable.

Radio Requirements of Systel SSIC – applicable for Motorola MTH800, MTP850, MTP850S, MTP850Ex, MTP830S and MTP810Ex TETRA radios.

### KEY BENEFITS

- **Long Lasting.** The SSI cable is powered by a 1.2V rechargeable battery and has 10 hours working life depending on the Motorola barcode reader.
- **Flexibility.** Supports a wide range of linear and two dimensional barcodes.
- **Easy to Carry.** Compact and light for easily carrying around while at work.

### KEY FEATURES

- Supports linear barcodes: Code\_128, Code32, Code93, Ean13, Ean8,Isbn, Ismn,Ltf14 Jan13, Jan8, NumlyNumber, Pzn, Scc14, Sscc18, SwissPostParcel, UccEan128, Upc\_E, UspsPicUccEan128.
- Supports two dimensional barcodes: AztecCode, DataMatrix, MacroPdf417, PDF417, QRCode, Semacode.
- Compact, fixable & easy to use.

### SYSTEL

2A Shafik Mansour St.  
Zamalek  
Cairo - Egypt

W: [www.systel.com.eg](http://www.systel.com.eg)

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[www.systel-telecom.com/web/index.php/smart-serial-interface-cable](http://www.systel-telecom.com/web/index.php/smart-serial-interface-cable)

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# TETRA INTERACTIVE DISPLAY (TID)

## A NEW AND EASIER WAY TO COMMUNICATE USING TETRA RADIOS!

**TETRA  
INTERACTIVE  
DISPLAY (TID)**  
Tetra Interactive  
Display (TID) offers  
full control of a  
TETRA radio and is  
a straight forward,  
user friendly product  
that can be utilized  
for customer needs  
from firefighting  
vehicles to search  
and rescue parties.

**MARKETS**  
Ambulance, Delivery, Fire,  
Police, Transport.

**GEOGRAPHICAL SCOPE**  
Africa, Europe, Middle East.

**SUPPORTED LANGUAGES**  
Arabic and English.

Systel TETRA Interactive Display (TID) is a touch screen computing platform which allows for direct interfacing with a TETRA radio terminal.

The TID enables complete control of a TETRA radio through the computing platform, providing the ability to send unified messages with SDS, access the TETRA radio's contact list and control the volume.



TETRA INTERACTIVE DISPLAY (TID)



### SYSTEM REQUIREMENTS AND TYPES

Requires TETRA network coverage, TETRA radio and interface cable. Supported by Dimetra IP Scalable.

### KEY BENEFITS

- **Seamless Integration.** With the minimal number of tabs, the user is able to send and receive data from the system, through the display. It provides real-time information over the air and complete control of the radio.
- **High Resolution Display.** The 65K colour display supports customised maps with zooming functionality for better location accuracy.

### KEY FEATURES

- Easy-to-use touch screen computing platform.
- High Resolution 65K colour display.
- Standalone device which can be integrated with existing backend systems to support business processes.

**SYSTEL**  
2A Shafik Mansour St.  
Zamalek  
Cairo - Egypt  
W: [www.systel.com.eg](http://www.systel.com.eg)

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WEB:  
[www.systel-telecom.com/web/index.php/tetra-interactive-display-tid](http://www.systel-telecom.com/web/index.php/tetra-interactive-display-tid)

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# ZENIPOL FOR MOTORCYCLE

## HIGH QUALITY CONTINUOUS COMMUNICATIONS AT HIGH SPEED

**ZENIPOL**  
ZeniPol integrates with TETRA to ensure high quality communications for motorcycle riders at all times.

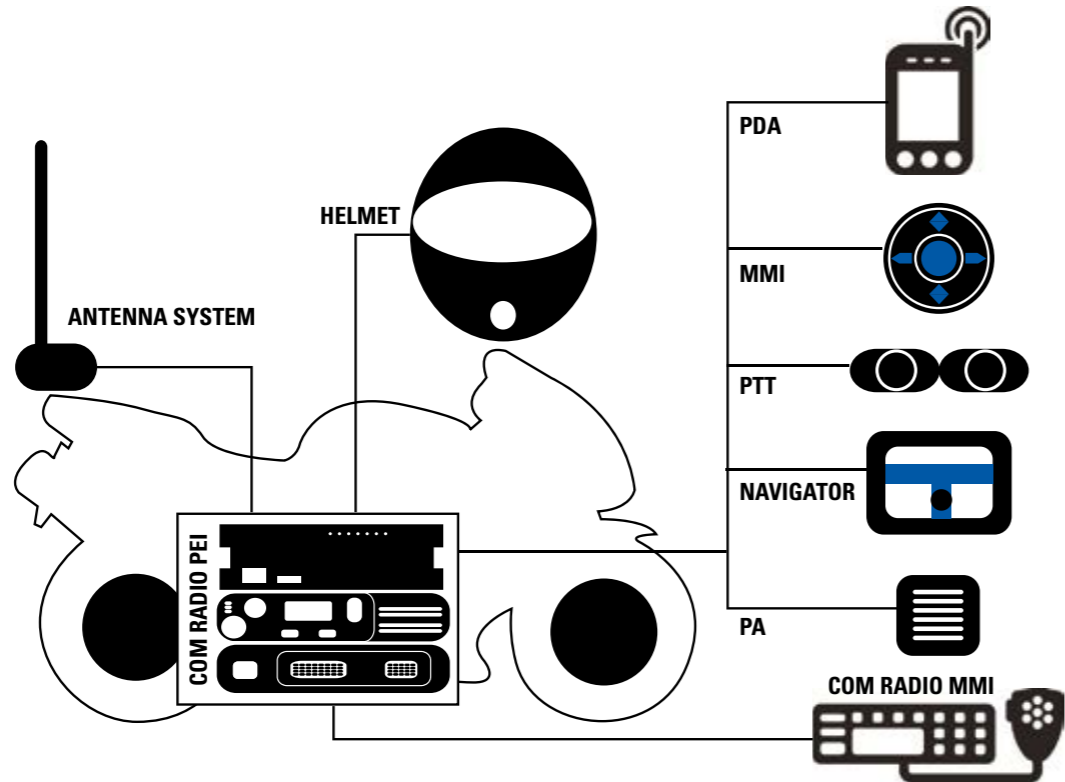
**MARKETS**  
Military, Police, Rescue.

**GEOGRAPHICAL SCOPE**  
Worldwide.

**SUPPORTED LANGUAGES**  
Danish, English, Italian and Norwegian are supported. New languages can be loaded as setup-file.

ZeniPol for Motorcycle is an all-in-one motorcycle solution providing a reliable and efficient wireless communications platform for Police Motorcycles and other vehicles - essential for continuous communications at high speeds.

Staying in contact with police motorcycles while on patrol is critical to ensuring rapid and efficient response. ZENITEL ZeniPol integrates with TETRA, MOTOTRBO, VHF/UHF radios, GPS and GSM, to ensure high quality communications at all times.



ZENIPOL



### SYSTEM REQUIREMENTS AND TYPES

The ZeniPol application requires an interface to Motorola TETRA radios, MOTOTRBO or analogue VHF/UHF radios.

Radio Requirements of ZeniPol for motorcycle – applicable for all TETRA, MOTOTRBO and analogue VHF/UHF radios.

Supported on Dimetra IP Scalable, Dimetra IP Micro and Dimetra IP Compact.

### KEY BENEFITS

- **Flexible All-in-One Solution.** Works with TETRA, MOTOTRBO and analogue radios so easy to integrate into existing systems.
- **High Sound Quality.** Designed to give clear communications, even when operators are travelling at high speed (up to 200 km/h).
- **Customisable.** With ZeniPol, it's possible to personalise the motorcycle to individual users and fleets with over-the-air programming.
- **Easy to Use.** Operated by an interface unit mounted on the motorcycle front shield making it simple for the driver to operate.
- **Improves Driver Safety.** Safe communication when operating different radio systems and driving a motorcycle.

### KEY FEATURES

- TETRA, MOTOTRBO and VHF/UHF communication integration.
- Navigator, FM radio and GSM telephone.
- WLAN and Bluetooth Audio connection.
- Specially designed MMI (joystick) and touch screen on the Garmin device, is used for selection and operation.
- Easy to use and excellent sound quality.
- Works with Motorola radios.
- Personalise the motorcycle to individual users and manage fleets with over-the-air-programming.
- Many ZeniPol systems already in operation on police motorcycles with a "voice speed" up to 200 km/h.

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# DIMETRA FULL VISION SYSTEM ALIVE CHECKER MONITORING OF THE RADIO NETWORK

## ZONITH FULL VISION SYSTEM ALIVE CHECKER

Whenever a critical situation occurs, for instance a lone worker alarm being raised or the radios emergency button being pressed, it is of great importance that the radio network is alive and functioning.

### MARKETS

Offshore Oil & Gas,  
Petrochemical Industry.

### GEOGRAPHICAL SCOPE

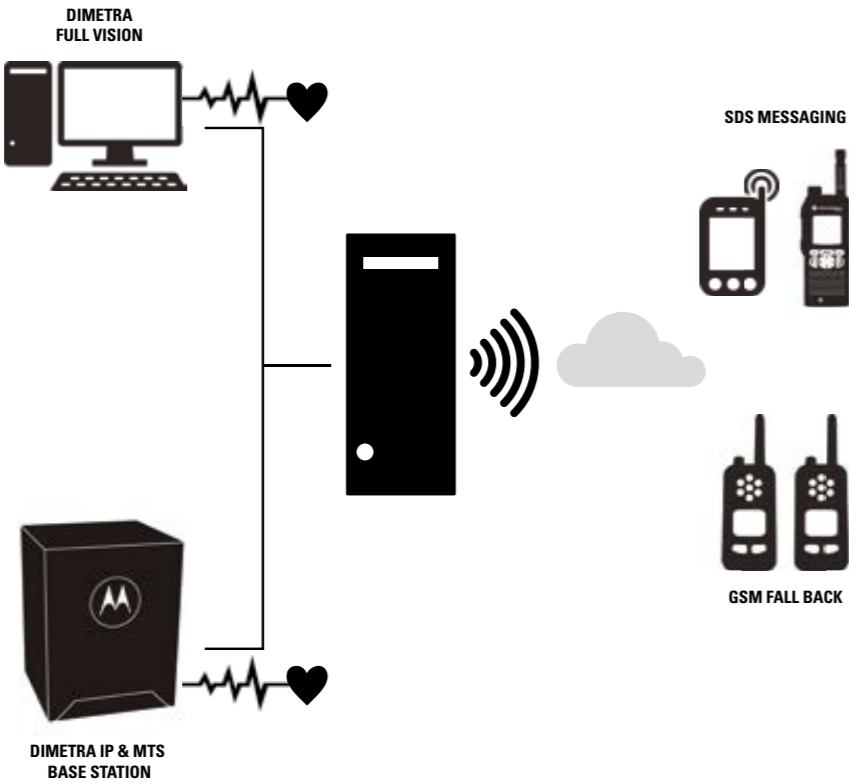
Asia, Australia, Canada, Europe,  
Greenland, Latin America.

### SUPPORTED LANGUAGES

English.

ZONITH Full Vision System Alive Checker is a Dimetra compatible software package that monitors both the Full Vision Network Monitoring system and Dimetra base station. An efficient alarm control system that ensures the network is always fully operational for maximum effectiveness.

Keeping your network fully operational is vital in order to maintain safety and efficiency. ZONITH Full Vision System Alive Checker monitors your network and the Dimetra base station, checking alarms and polling the Full Vision server to confirm all is running smoothly. Any network failures are intelligently communicated to the technical resource team by TETRA or GSM messaging.



DIMETRA FULL VISION SYSTEM ALIVE CHECKER



## SYSTEM REQUIREMENTS AND TYPES

Interfaces to Dimetra via a Direct Short Data Router interface and Mobile TETRA radio PEI interface. The solution is entirely Windows based and requires a Windows Server and interfacing hardware.

Radio Requirements of the Dimetra Full Vision System Alive Checker – applicable for all TETRA radios with display.

## KEY BENEFITS

- **Constant Monitoring.** Monitors alarms and regularly poles the Full Vision server to ensure that the network is fully operational.
- **Intelligent Communication.** When an alarm is raised or a network failure arises, the ZONITH application will intelligently notify the technical resource team using TETRA or GSM messaging.
- **Easy Connection to Dimetra.** ZONITH software interfaces with the Dimetra network via a short data router.
- **Safe and Efficient.** A safe solution with communication between Full Vision and the Alarm Control System monitored via "heart beats".

## KEY FEATURES

- Instant notification from FullVision to the network administrator on duty.
- Quick response to network faults.
- Notifications and escalations based on ZONITH Watch Scheduler.
- Communication via TETRA or GSM messaging.
- Alarm notification escalates to GSM if there is a failure in the Dimetra network or if the maintenance staff is out of TETRA coverage.
- Preventive maintenance alerts from FullVision are communicated to maintenance staff before the fault actually appears.
- Early response from 1st, 2nd and 3rd line support as they can be notified via SMS or Email.
- Safe solution as the communication between FullVision and the Alarm Control System is monitored via "heart beats".

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### ZONITH UK LTD.

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ZONITH

# STORAVOX

## RECORDING AND BEYOND

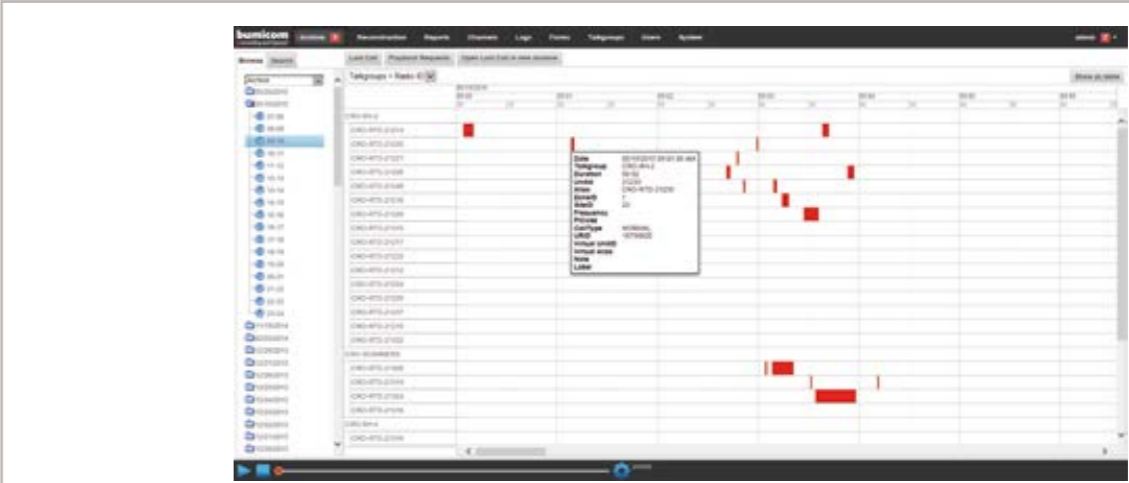
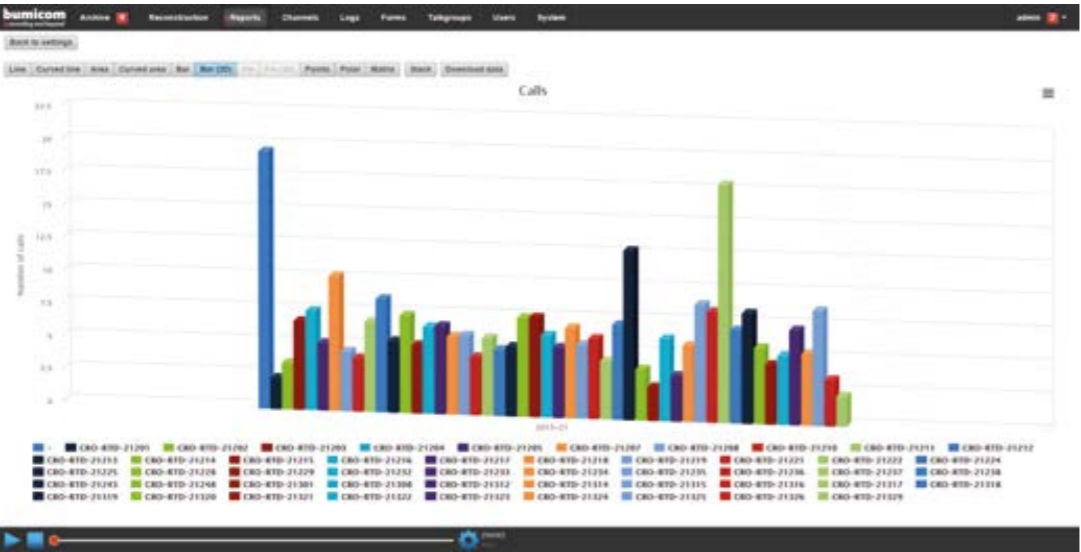
**STORAVOX**  
Short response times are crucial in mission-critical situations. Bumicom provides the tools to reconstruct complete scenarios for after-the-fact evaluation leading to improvements for future missions.

**MARKETS**  
Industry, Military, Public Safety, Public Sector, Transportation.

**GEOGRAPHICAL SCOPE**  
Africa, Europe, Latin America, Middle East, North America.

**SUPPORTED LANGUAGES**  
Dutch, English, French, German, Spanish, Portuguese.  
Other languages available on request.

Storavox is one of the most flexible communication recording solution available. The Storavox platform offers organizations the possibility to capture, store and replay different types of electronic communication by radio, phone, video and operator screens. Storavox provides interfaces for IP, TDM and hybrid environments. Storavox is based on a standard (virtual) server and database platforms to ensure flexibility, scalability, continuity, reliability, safety and seamless integration.



### SYSTEM REQUIREMENTS AND TYPES

The solution for Dimetra is IP-based (software only) and connects to the Motorola Archive Interface Server (AIS). The Storavox Recording solution for MOTOTRBO is a wireline connected IP-based (software only) recording solution. Customer can provide standard Windows server platforms and workstations.

### KEY BENEFITS

- **Fail-Safe Communications Recording for Mission-Critical Environments.** Storavox provides full insight with flexible last call repeat, playback, incident reconstruction, operator evaluation and phonetic search in order to improve future missions.
- **Integrates with Motorola DIMETRA/MOTOTRBO.** Integrates with the Motorola Dimetra and MOTOTRBO platforms to record all audio and metadata of communication on specified and registered radio resources such as Talkgroups and ISSI's. Recordings can be retrieved based on: Talkgroup, ISSI (Radio ID, Radio Alias), Start Time, End Time and Call Duration.
- **Incident Reconstruction.** Provides fast and efficient incident reconstruction with the display of recordings and metadata from relevant resources (voice, video, screen) on visual timeline.
- **Evaluation and Training.** Improve contacts using integrated quality monitoring tools for evaluation, training and coaching of operators.
- **Search on What Has Been Said.** Ability to search all recorded audio for specific words and phrases for investigation and compliance purposes.

### KEY FEATURES

- Fully supports recording of the Dimetra/MOTOTRBO platforms to capture all relevant audio and metadata.
- Records audio in its native (ACELP/AMBE) format to preserve quality and reduce storage requirements.
- Single recording server can connect to multiple radio systems.
- Redundant parallel recording with multiple recording servers.
- Supports mixed recording of IP, TDM signals and operator PC screens on a single platform.
- Highly scalable to 750 + concurrent recordings per server.
- Software only with support for virtual VMware® server infrastructure.
- Fits into a stand-alone and multi-site architecture through LAN/WAN infrastructure with transparent operation and system management.
- Provides a very user friendly GUI with secure (https) web based control.
- Extensive security features, password protected multi-level user access, encryption, fingerprinting and audit trails, to guard against unauthorized use and manipulation.

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[www.bumicom.nl/en](http://www.bumicom.nl/en)

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TELECOMMUNICATIE BV**  
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M: 0031 (0) 6 5322 6301

# iTM PICS

## PHOTOGRAPH AND INTELLIGENCE COMMUNICATION SYSTEM

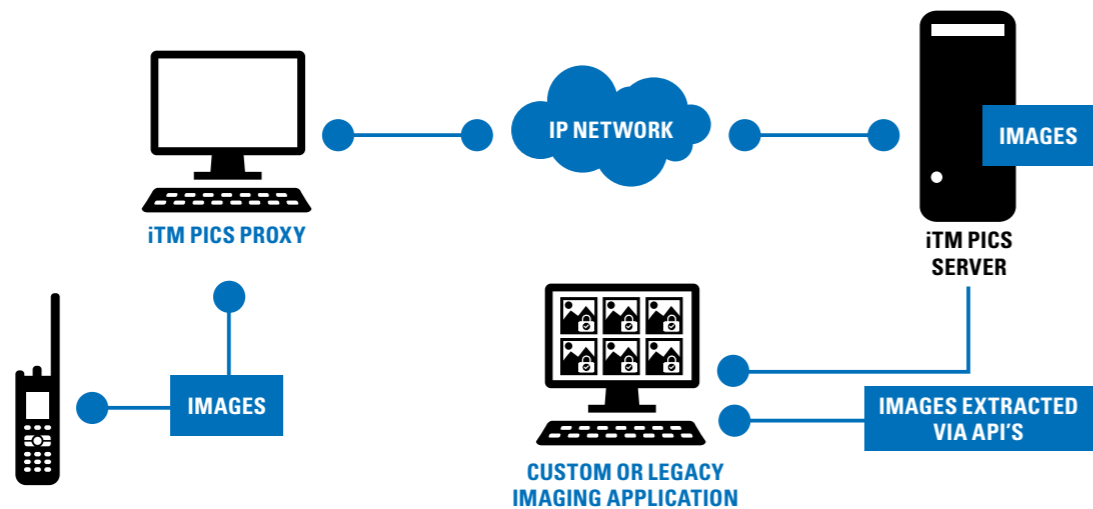
**iTM PICS**  
It is designed to automate the task of sharing content such as photographs and operational information between radios and back office applications.

**MARKETS**  
All Motorola Solutions MTP6000 Series users.

**GEOGRAPHICAL SCOPE**  
Worldwide.

**SUPPORTED LANGUAGES**  
English and German.

Digital images are important assets for many organisations. Without a comprehensive management system in-place, workflows can become inefficient due to the administrative overhead required to manage the sheer volume of images generated. iTM Photograph and Intelligence Communication System (iTM PICS) simplifies the task of sharing and managing content between Motorola Solutions MTP6000 Series radios and back office applications.



iTM PICS



### SYSTEM REQUIREMENTS AND TYPES

iTM PICS ENTERPRISE (SERVER) VERSION

**PROXY & CLIENT** - Hardware: Intel Core i3 3.0 3.0 GHz or above 4 GB RAM, 25GB of free hard disk space, at least one USB 2.0 port, Operating System: Windows 7 (32/64 bit), Windows 8.1 (32/64 bit).

**SERVER** - Hardware (minimum requirement for supporting up to 150,000 radios): Intel Xeon 3 GHz, 8 GB RAM and 250 GB of free hard disk space, Operating System: Windows Server 2008 (32/64 bit), Windows Server 2012 R2 (32/64 bit), Windows 7 (32/64 bit), Windows 8.1 (32/64 bit). Additional free disk space will be required to store images.

### KEY BENEFITS

- **Automated Upload & Download.** iTM PICS greatly reduces the time needed to catalogue images. It automates uploads and allows you to download critical information from back-office systems on to MTP6000 Series radios via your IT network – providing an efficient mechanism for sharing team briefings.
- **Evidential Integrity.** In addition to managing images, PICS also extracts the unique Digital Fingerprint (DFP) generated at the point of capture for every image by the MTP6750, providing a means of authenticating images – a key requirement for evidential images.
- **Seamless Configuration.** iTM PICS can be integrated with your existing applications through application programming interfaces. It reduces time and development effort required to integrate with existing systems.

### KEY FEATURES

- Automates upload and download of images from end-user terminals to iTM server.
- Integrates with your existing imaging applications through application programming interfaces.
- Provides mechanism for external applications to authenticate images using Digital Fingerprint checksums.
- Centralised, remote management of images stored on radios.
- Available in scalable standalone configurations.
- Customisable to your exact requirements; deploy and pay-for just what you need.

Contact your local Motorola representative for further details

W: [motorolasolutions.com](http://motorolasolutions.com)

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[www.motorolasolutions.com/content/dam/msi/docs/business/product\\_lines/dimetra\\_tetra/terminals/tetra\\_integrated\\_terminal\\_management\\_system/\\_documents/j1729\\_itm\\_pics\\_specsheet.pdf](http://www.motorolasolutions.com/content/dam/msi/docs/business/product_lines/dimetra_tetra/terminals/tetra_integrated_terminal_management_system/_documents/j1729_itm_pics_specsheet.pdf)

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MOTOROLA  
SOLUTIONS

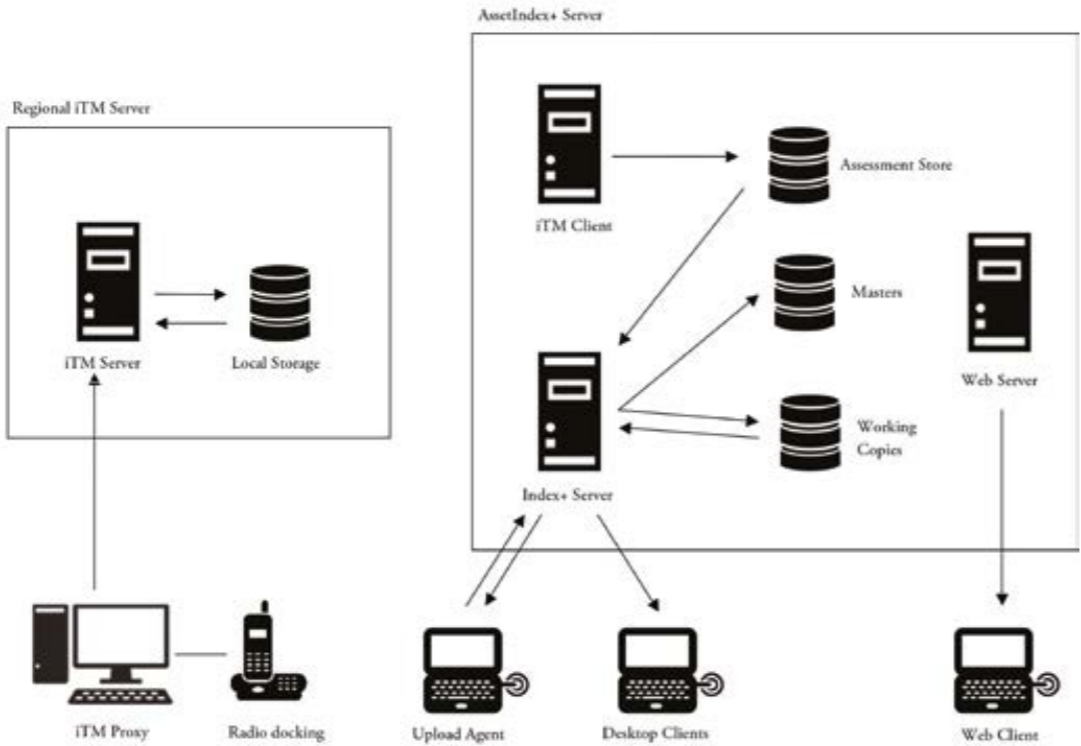
# ASSETINDEX+ EVIDENTIAL DIGITAL ASSET MANAGEMENT SYSTEM

**ASSETINDEX+**  
Giving frontline police officer the ability to quickly and securely capture images at the scene of an incident can be extremely valuable when evaluating cases and pursuing prosecutions. However, as officers start to capture images, the complexity of managing the storage, integrity and audit trail of thousands of images could quickly outweigh the benefits.

**MARKETS**  
Federal/National Government, Police, Public Safety/Security.  
**GEOGRAPHICAL SCOPE**  
Worldwide.  
**SUPPORTED LANGUAGES**  
English.

Management of data is a growing challenge for many industries. Digital cameras, CCTV, body-worn video and other digital sources produce a storage and management issue which can be overwhelming. At the same time, these images, videos and other data are crucial to organizational efficiency and effectiveness, providing vital records and evidence across application areas including policing and criminal justice, civil engineering, and security.

Efficient management, storage and retrieval of media files has become a fundamental objective for staff in many organizations, including frontline police officers.



ASSETINDEX+



## SYSTEM REQUIREMENTS AND TYPES

- Microsoft Windows Server 64-bit 2008 or later or on current Linux releases
- Supported on Dimetra IP Scalable, Dimetra IP Compact and Dimetra IP Micro on all System Releases
- Radio Requirements of AssetIndex+ - Motorola TETRA Radio MTP6750

## KEY BENEFITS

- **Reliable Source of Evidence.** AssetIndex+ manages your digital assets to evidential standards, delivering them securely to multiple channels, whether to TETRA radios in the field or into the court-room.
- **Easy-to-Use Interface.** AssetIndex+ provides appropriate user interfaces for uploading, managing, and delivering media assets. Its standards-based APIs enable interaction with other business-critical applications such as crime recording and forensics systems.
- **Secure System.** AssetIndex+'s robust system permits creation of different user permission levels to handle sensitive assets safely and securely. Its comprehensive auditing records each user's activity and provides a detailed history of all accesses to the system, both read-only and update accesses.
- **Efficient Management.** Designed to provide evidential-quality management of digital assets, the system gives users immediate, appropriate, access to the repository as well as options to export assets and create reports. Information and metadata are extracted from asset files and further information is supplied using the AssetIndex+ Upload Agent.

## KEY FEATURES

- Seamless integration with Motorola iTM PICS Solution.
- Quick searches powered by award-winning Index+ Information Management System.
- Secure upload and central storage of digital assets.
- Automatic indexing for bulk uploads.
- Allows force-wide advanced search and metadata querying.
- Range of security features available (e.g. visible and invisible watermarking options).
- Image renditions for use in court or internal presentation.
- Safe and secure – support for robust back-up and disaster recovery systems.
- Supports organizations in their legislative requirements (e.g. MOPI, Data Protection Act).
- Easy to integrate with other force systems and key external stakeholders.
- Tracking and auditing – Optional forensic audit module records user access to the system.
- Works with Motorola TETRA Radios MTP6750 and Body Worn Video devices.

Contact your local Motorola representative for further details  
W: [motorolasolutions.com](http://motorolasolutions.com)



MOTOROLA  
SOLUTIONS



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# DRC9010

## TETRA DIGITAL RADIO CONTROL CONSOLE

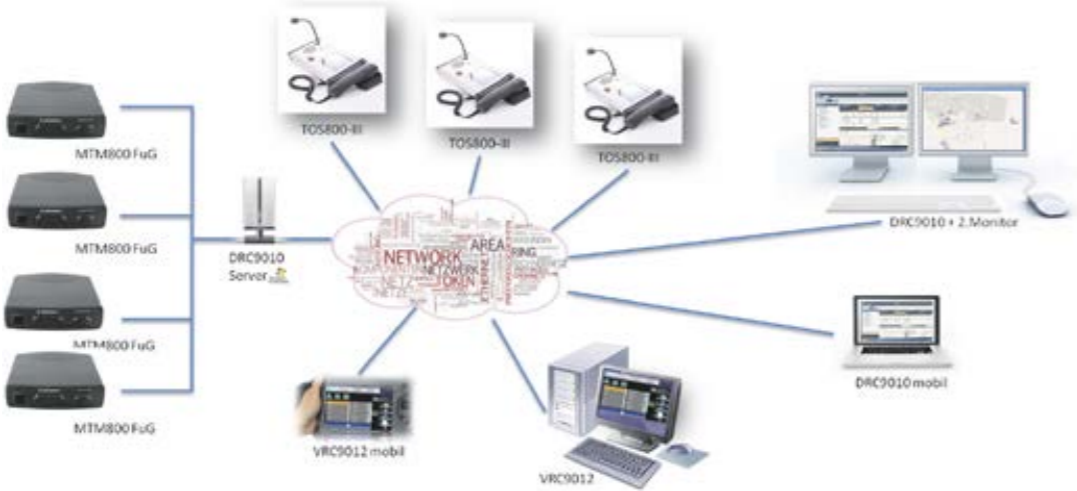
**DRC9010**  
The DRC9010 PC-console terminal offers effective functions for supervision of individual units and fleets. Individual operational elements can be arranged and faded in/faded out on the screen offering a fully customised operator interface particular to that situation.

**MARKETS**  
Command & Control Centres, Fire, Military/Defence, Police, Public Safety/Security.

**GEOGRAPHICAL SCOPE**  
Africa, Asia Pacific, Europe, Latin America, Middle East, North America.

**SUPPORTED LANGUAGES**  
English and German.  
Other languages available on request.

The DRC9010 PC control console software for TETRA and MOTOTRBO radios is an infrastructure-independent workstation for TETRA and MOTOTRBO networks, providing various functions controlling a single radio or fleets. The DRC9010 comprises speech events, SDS messages (Short Data Service), Call-Out and status messages for individual subscribers or groups. GPS, Remote Control and many more.



DRC9010



### SYSTEM REQUIREMENTS AND TYPES

- TETRA or MOTOTRBO Network coverage.
- MTM800 FuG, MTM800 E, MTM5400, DM3xxx, DM4xxx series for control center radio device.
- Standard Windows PC, .NET framework 3.0, Serial/USB port connection.
- Third party database licensing.
- Third Party Routing and Mapping Data.

### KEY BENEFITS

- **Easy Operation.** Operation with head set and possibly additional connected touch panel.
- **Control of Several Central Office Radio Devices.** Up to four radio devices may be controlled.
- **Mobile and Stationary.** For control centers, dispatcher and fleet management and for mobile operations control.
- **Client-Server Operation.** The DRC9010 Server manages the central radio devices. The workstations (clients) may be connected by standard Ethernet (IP).
- **GPS Visualization.** Display the position in the event of an emergency call. Monitoring the position of a single radio device up to several groups.

### KEY FEATURES

- Supervision of several control center radio sets.
- Administration of individual or group calls.
- List for administration of organizations, groups and individual subscribers (status screen).
- Dispatch and receipt of text messages.
- Dispatcher functions with state indication.
- Emergency call functionalities.
- Chronological list regarding speech events, status messages and SDS.
- Chronological schedules with filter function, export function.
- Display of GPS positions on vectorized maps and client-specific graphical material (aerial photos), tracking.
- Configurable user interface (configuration of elements, shortcuts, scale of screen display, etc.).
- Remote control capable.
- XML interface to a higher level control station.
- Optional extras: AVL/GIS system for map display, CallOut administration, TETRA remote function.

**ATS ELEKTRONIK GMBH**  
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Germany

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WEB:  
[www.atsonline.de/en/system-solutions/location-services/drc9010.html](http://www.atsonline.de/en/system-solutions/location-services/drc9010.html)

ALSO FROM PARTNER



# OPERATOR PLATFORM 2.0

## ENDOWED WITH MORE FUNCTIONS FOR GREATER EFFICIENCY AND DYNAMICS

### OPERATOR PLATFORM 2.0

The new edition of our operator platform now offers an even quicker way to initiate, receive and intercept calls, send and read messages, and to manage resources. The system still has a clear focus on simplicity and ease of use.

#### MARKETS

Command & Control Centres, Emergency & Rescue Services, Municipalities/Local Government, Petroleum/Chemical, Public Safety/Security.

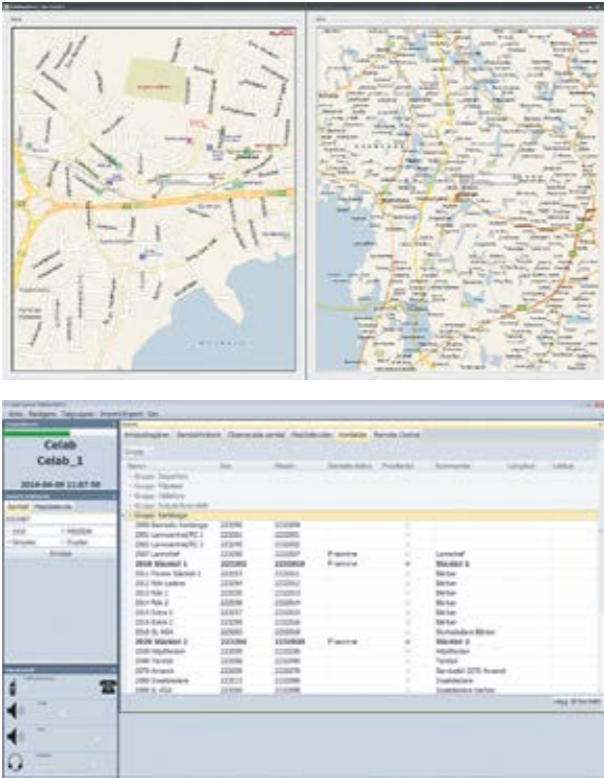
#### GEOGRAPHICAL SCOPE

Africa, Asia Pacific, Europe, Latin America, Middle East, North America.

#### SUPPORTED LANGUAGES

Swedish. Other languages available on request.

Celab Operator Platform is a scalable solution that offers fundamental features for easy dispatching as well as advanced features for efficient workforce management. The modular design includes call, status and contact management, map based tracking, remote control features and Google Maps and Street View integration.



Operator Platform 2.0



### SYSTEM REQUIREMENTS AND TYPES

- Standard computer with Windows 7 or 8, connected to a Motorola TETRA terminal.
- Google Maps/Streetview requires internet connection.
- Remote Control requires Motorola Remote Control feature.
- Voice log/Telephone interconnect/Extra displays/etc requires extra hardware.

### KEY BENEFITS

- **Decreasing Costs.** Celab Operator Platform has been developed to be available even for limited budgets resulting in a scalable design with dynamic licensing options. Unlike many dispatch solutions COP 2.0 doesn't require any expensive hard line connections. Instead it uses a standard Motorola TETRA terminal for data transfers. By providing full capacity even on a mid-range PC it can cut costs even further.
- **Increasing Efficiency.** Standard features like call, alarm and contact management lets operators easily monitor conversations and intuitively communicate with users in the field. Meanwhile advanced options like remote control, map based location and Google Streetview enables them to efficiently manage and control resources.
- **Customisable Experience.** The interface is easily adapted to your organisation. Almost all functions, views and nomenclature can be adjusted to your preferences. The solution can be delivered in different mobile or stationary setups and shipped with a variety of peripherals to fit your specific needs.

### KEY FEATURES

- Call, SDS and Status Management.
- Call-back request management.
- Contact management (prioritised contacts, grouped contacts).
- Emergency and alarm management.
- User generated shortcuts (calls, SDS, status).
- Google Maps integration.
- Call log and voice recording.
- Filtering, sorting and search features.
- Remote control features.

#### CELAB COMMUNICATIONS AB

Rollsbovägen 20  
S-442 40 Kungälv  
Sweden

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T: 0046 (0)303-24 60 00  
F: 0046 (0)303-939 91

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# INTEGRATED DIGITAL DISPATCHER SYSTEM (IDDS) CENTRAL COMMUNICATION SYSTEM

## IDDS

Being able to quickly and efficiently deploy units in mission critical situations can save time, and ultimately lives. With the IDDS being a flexible yet stable communications system, emergency responders can make every second count.

## MARKETS

Airports, Ambulance, Fire, Industrial, Petrochemical, Police.

## GEOGRAPHICAL SCOPE

Africa, Europe, Middle East.

## SUPPORTED LANGUAGES

Arabic, Dutch, English, German.

In order to be able to deploy staff quickly and effectively, public authorities and organisations with security tasks need adequately equipped command centres. All incoming emergency calls must be able to be coordinated and dispatched through a central communication system.

The Integrated Digital Dispatching System (IDDS) is a highly secure modular digital communications system with numerous possibilities for expansion. With IDDS, eurofunk Kappacher sets the benchmark for the future. The IDDS architecture has proven in many places to be a very flexible and extremely stable platform for handling emergency calls and radio communication groups.

The Integrated Digital Dispatcher System is a touch screen operated digital communications and dispatch platform for used with Computer-aided Incident management, incident dispatching and relevant documentation.



INTEGRATED DIGITAL DISPATCHER SYSTEM (IDDS)



## SYSTEM REQUIREMENTS AND TYPES

Supported on Dimetra IP Scalable on System Releases 7.1 and 8.1.

Requires Microsoft Windows Operating System; Industry Standard hardware; and Database Licensing (3rd Party or Open).

Radio Requirements of IDDS – applicable for all Motorola TETRA radios.

## KEY BENEFITS

- **Quicker Responses.** Effectively manages core tasks of crisis incident management, communications and resource deployment. Based on reliable IP technology, IDDS' multifunctional hardware and software performs for a faster, more coordinated response to incidents.
- **Improved Efficiency.** Integrated functions are provided to improve overall task efficiency including emergency call taking; deployment by messaging; and automated outbound calls.

## KEY FEATURES

- Touch screen platform.
- Individual dispatcher log-in.
- Specified role-based rights and performance authorities.
- Proven technology with over 1000 operators in use.
- Trans-regional cooperation through geographically redundant IP connections.
- Optional use of redundant servers on different locations for high availability and fault tolerance.

## EUROFUNK KAPPACHER GMBH

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Austria

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[www.eurofunk.com/fileadmin/en/product\\_information/IDDS\\_en.pdf](http://www.eurofunk.com/fileadmin/en/product_information/IDDS_en.pdf)

# PROFESSIONAL FLEET MANAGEMENT FOR TETRA

## TRACK AND MANAGE VEHICLES, PEOPLE AND ASSETS

### HERMESTRX

hermesTRX is a plug-and-play cost effective real time GPS fleet management system using Google Earth™ or Open Street Maps as its mapping platforms.

### MARKETS

Courier, Education, Government, Manufacturing, Public Safety, Taxi, Transportation, Utilities.

### GEOGRAPHICAL SCOPE

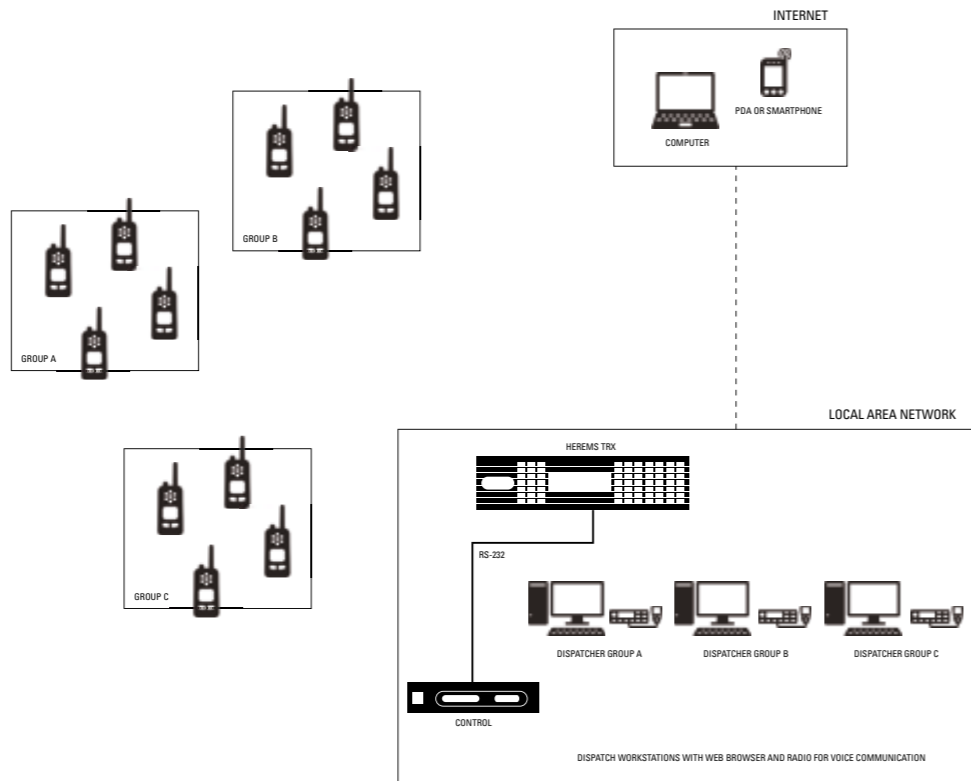
Worldwide.

### SUPPORTED LANGUAGES

English, French, German, Spanish.

hermesTRX is a GPS tracking and dispatcher system that allows Motorola TETRA radios to be connected without drivers or additional software. It is an advanced solution equipped with features such as Email notification, integration of digital mapping platforms and direct connectivity for up to two TETRA base radios.

Professional fleet management using GPS tracking is vital for optimising efficiency. Utilising the inherent reliability of TETRA, hermesTRX provides highly accurate location information to ensure total workforce mobility.



### SYSTEM REQUIREMENTS AND TYPES

- A standard web browser is the only requirement for set up and use of the system.
- Compatible with operating systems: Windows 7, Vista, XP, OSX, iPad and Linux.

Radio Requirements of Capita M-VISION Call Out Solutions – all Motorola TETRA radios.

### KEY BENEFITS

- **Plug-and-Play.** hermesTRX is a reliable fleet management solution that's easy to access, configure and operate through a built in web-server.
- **Location Service.** Real-time GPS based Location Tracking and the capability to handle up to 250 subscribers with different mapping platforms for worldwide coverage.
- **Geo-Fencing.** Enables a dispatcher to 'ring-fence' the geographical area a subscriber (or group of subscribers) is able to travel around and warn the dispatcher if the demarcation line of the geo-fence is crossed.
- **Text Messaging.** Convenient communications with a web-based, two-way text Messaging Service.
- **Reverse Geocoding.** Provides the ability to take GPS coordinates and convert them into street addresses.

### KEY FEATURES

- Built-in web browser for browser based operation.
- Multi-user access and remote facility.
- A detailed user set-up manual and example CPS files and associated firmware.
- No monthly recurring investment costs and no costs associated with software or map licenses.
- Built-in record and playback capability.
- Flexible Mapping Engine provides the option of choosing OpenStreetMap, ESRI, MapQuest, ArcGIS, National Geographic or Google™ Earth.
- Intel® Atom™ processor N2800.
- Ethernet RJ45 interface and integrated RS232 interfaces.
- 12V Power Supply (110/220V optional).
- A standard web browser is the only requirement for set up and use of the system.
- Compatible with operating systems: Windows 7, Vista, XP, OSX, iPad and Linux.
- Vesa, DIN-Rail and Wall Mount options.
- Supports Motorola TETRA radios and is compatible with Dimetra IP Compact/Micro and Dimetra IP Scalable.

### hermesTRX

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# COM4500 CAD

## COMPUTER AIDED DISPATCH OPERATOR CONSOLE

**COM4500 CAD**  
IHM-CAD is an intuitive and user friendly call center/command and control room communications solution for all kinds of speech communication, text paging and alerting gathered in one easy to use platform. COM4500 is a highly flexible PC communication switch for radio, telephony and alarms. It is particularly suited for fire and home care systems.

**MARKETS**  
Public Safety Control Rooms.

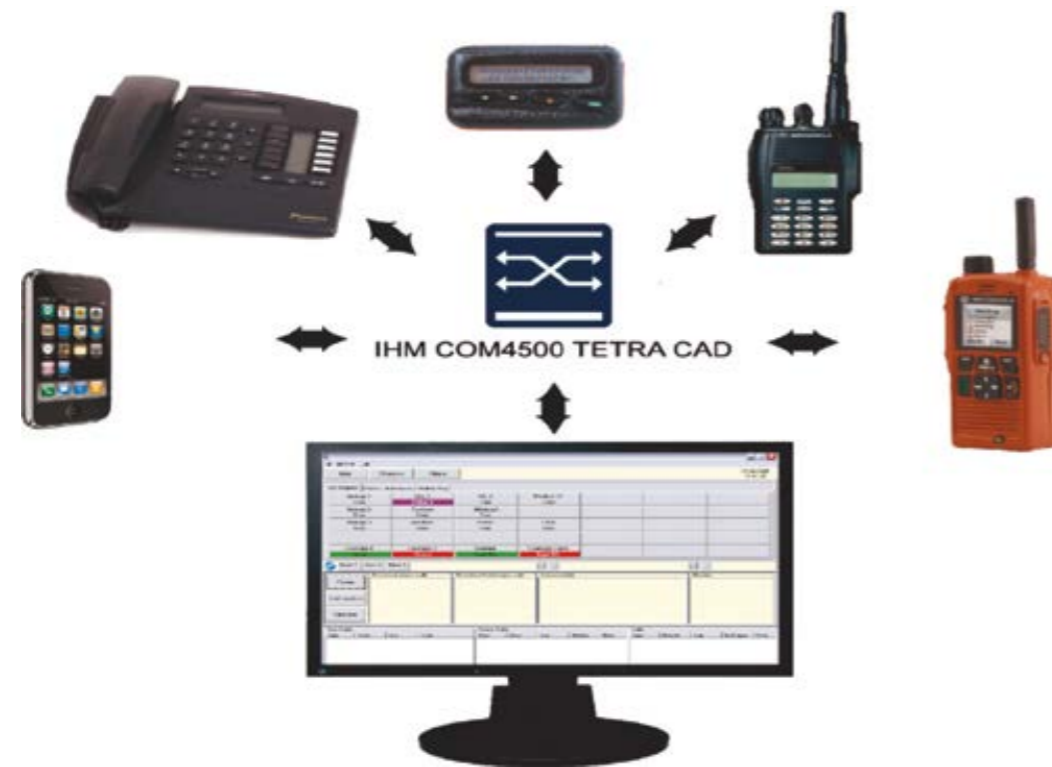
**GEOGRAPHICAL SCOPE**  
Europe.

**SUPPORTED LANGUAGES**  
All languages supported by application.



The IHM COM4500 TETRA CAD provides gateway connection between the MOTOROLA ICCS and operator positions. These are configured for IP and can therefore be placed local or remote from the central switching equipment.

The IHM COM4500 TETRA CAD provides a full function Graphical User Interface for TETRA through the MOTOROLA ICCS. Functions include services for status call and text messaging. The solution also provides gateway interfaces to PBX, PSTN, GSM and Legacy Radio. A shared server is included to accommodate Status and Call Queue with mutual synchronisation on all Dispatch Seats.



COM4500 CAD



### SYSTEM REQUIREMENTS AND TYPES

The gateway and software requires MOTOROLA ICCS, optional PBX (analogue/ISDN or VoIP), IHM FWT, POCSAG transmitter and Legacy Radio base stations.

Radio Requirements of the IHM COM4500 TETRA CAD – applicable for all TETRA radios and networks with Dimetra IP System Release 7.1, Dimetra IP Compact or Scalable Dimetra Release 4.1 or Dimetra IP Micro/Dimetra LiTE Release 2.0.

### KEY BENEFITS

- **Easy to Use.** Provides a quick overview and easy operation of all your communication resources.
- **Full Range of Services.** Features include Mutual Status messaging, Mutual Call queue and Mutual SDS messaging on all operator terminals and POCSAG text paging via a shared server.
- **Seamless Integration.** Supports all DIMETRA IP communication facilities, PBX/PSTN telephony integration over analogue or digital lines and includes a GSM/SMS text interface.

### KEY FEATURES

- Proven technology with more than 100 positions installed.
- Supports MOTOROLA CORBA, CADI, SDS ROUTER.
- Supports fall back communication using IHM FWT (Fixed Wireless Terminal providing an over-the-air TETRA connection).

**IHM**  
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W: www.inm.dk

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WEB:  
[www.inm.dk/customer-specific-solutions/public-safety/control-room-solutions/computer-aided-dispatch-cad](http://www.inm.dk/customer-specific-solutions/public-safety/control-room-solutions/computer-aided-dispatch-cad)

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# IHM TETRA CAD

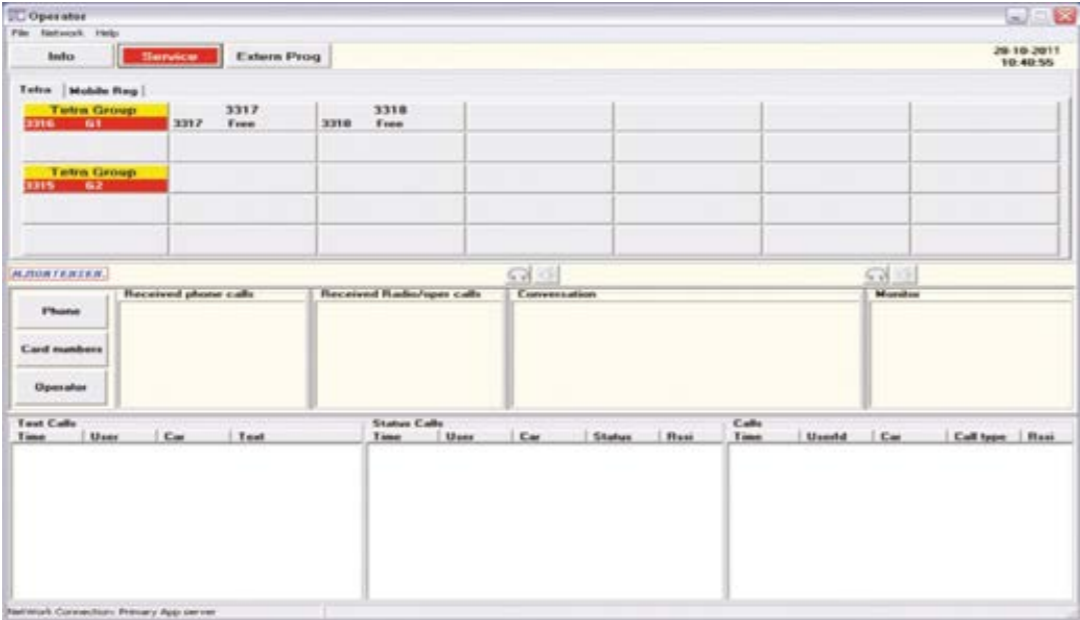
## DISPATCHER SOLUTION FOR TETRA TERMINALS

**IHM TETRA CAD**  
A Computer Aided  
dispatch system  
for Public Safety  
Control Rooms,  
replacing you  
Motorola MCC7500  
user interface with  
an easy to use GUI  
providing mutual  
Text and Status  
messaging. IHM's  
TETRA CAD is a  
proven technology  
with more than 100  
positions installed.

**MARKETS**  
Public Safety Control Rooms.  
**GEOGRAPHICAL SCOPE**  
Europe.  
**SUPPORTED LANGUAGES**  
All languages supported  
by application.

The IHM TETRA CAD is an application for public safety control rooms that makes computer aided dispatch easier than ever. Seen from a user perspective, it replaces the MCC7500 GUI, expanding services to status call and text messaging.

The application runs on the MOTOROLA MCC7500 radio dispatcher API (API with Remote API Server but without SSL) and is installed on existing MCC7500 PC's. A shared server is included to accommodate Status and Call Queue with mutual synchronisation on all Dispatch Seats.



IHM TETRA CAD



### SYSTEM REQUIREMENTS AND TYPES

The software requires a MOTOROLA MCC7500 radio dispatcher and a common Windows server.

Radio Requirements of the IHM TETRA CAD – applicable for MCC7500 TETRA radios with Dimetra IP System Release 7.1, Dimetra IP Compact or Scalable Dimetra Release 4.1 or Dimetra IP Micro/Dimetra LiTE Release 2.0.

### KEY BENEFITS

- **Easy Integration.** Runs on the Motorola MCC7500 radio dispatcher.
- **Full Range of Services.** Features include Mutual Status messaging, Mutual Call queue and Mutual SDS messaging on all operator terminals via a shared server.
- **Automatic Backup.** As an option, the server can be duplicated.

### KEY FEATURES

- Proven technology with more than 100 positions installed.
- Mutual status messages on all operator terminals.
- Mutual Call queue on all operator terminals.
- Mutual SDS message call queue on all operator terminals.

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# WIRED CONNECTED DISPATCH & TRACKING FOR LARGE SYSTEMS

## A COST EFFECTIVE WAY OF MANAGING RESOURCES

### DISPATCH & TRACKING SYSTEM

Based on 25 years experience in developing mission critical control room applications Kolibri Dispatch is a configurable integrated Control Room solution empowering organizations, their mobile crews, their processes and the communities they work in.

#### MARKETS

Airports, Government Institutes, Harbour Industry, Oil & Gas, Public Safety, Public Services, Transportation and Security firms

#### GEOGRAPHICAL SCOPE

Asia, Europe, Latin America, Rest of World

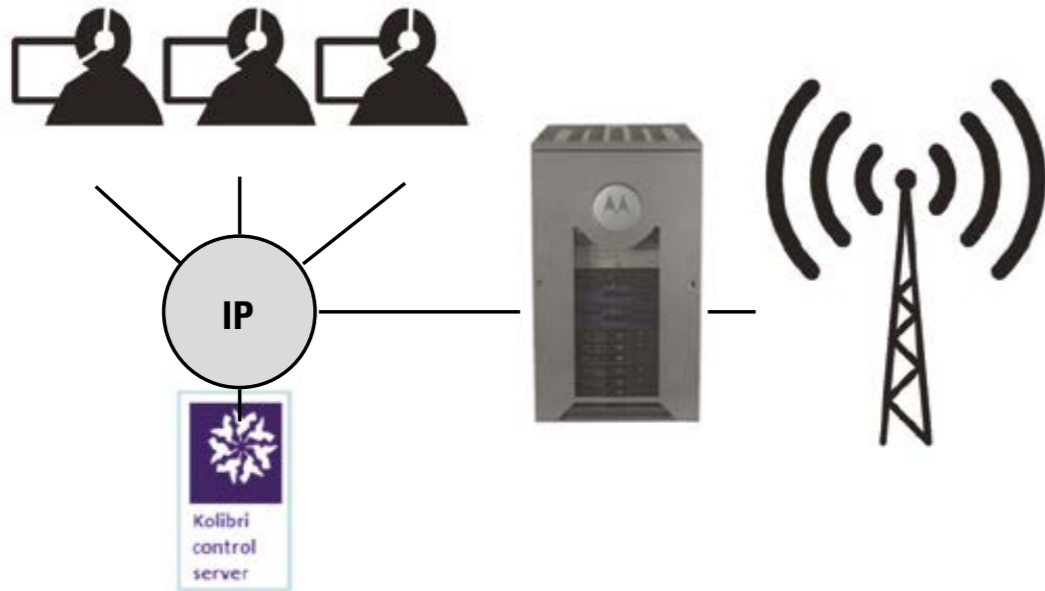
#### SUPPORTED LANGUAGES

Any language can be supported since all GUI text is stored in the database. Currently available in Danish, Dutch, English, French, German and Spanish.

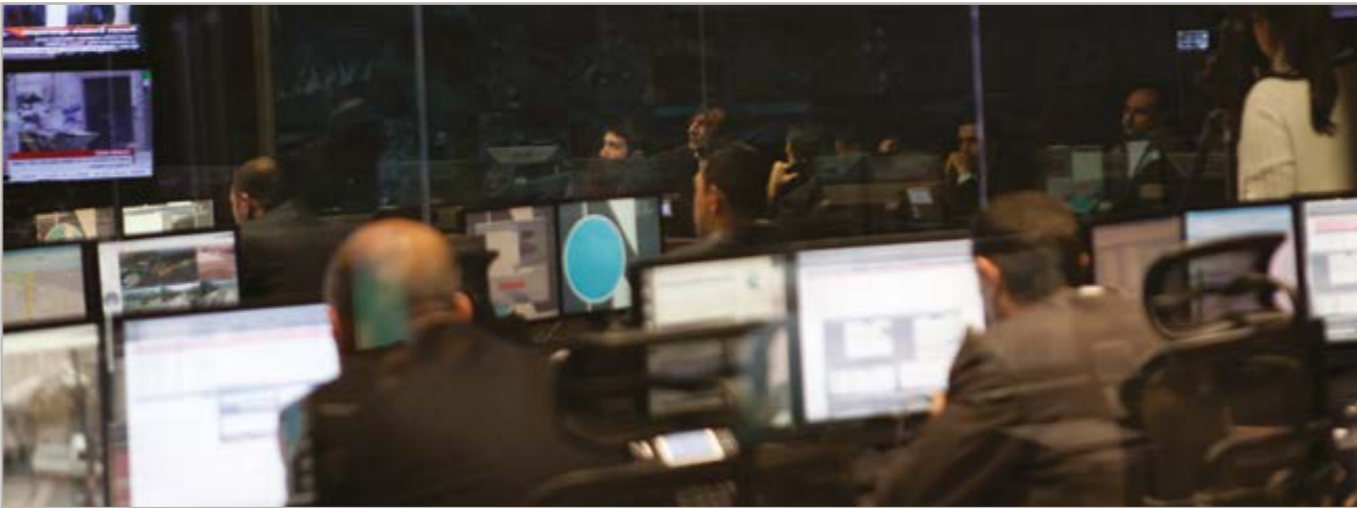


Kolibri is a control room solution for radio dispatch, map-based tracking in mission critical environments. An easy and cost effective way of managing and monitoring resources that can be tailored to individual needs.

Dispatching and keeping track of resources using maps is fundamental for any control room. Kolibri can be seamlessly integrated with telephony, telemetry, video surveillance, incident management and other systems or tailored to specific needs. The wired version uses an IP wired connection to one or more radio networks and can be combined with a wireless solution if required.



WIRED CONNECTED DISPATCH & TRACKING FOR LARGE SYSTEMS



### SYSTEM REQUIREMENTS AND TYPES

Requires one or more radio networks such as Dimetra or MOTOTRBO, a wired IP connection to radio network infrastructure, radio network console interface licences and equipment, standard Windows PC platform and IP Infrastructure for Kolibri servers and consoles.

Radio Requirements of Kolibri wired – all Motorola TETRA radios and all Dimetra IP releases.

### KEY BENEFITS

- **Cost Effective for Large Networks.** Wired connection is ideal for networks with high voice traffic capacity.
- **Supports a Variety of Control Rooms.** IP based architecture enables a high scalability from a single console to a large, geographically dispersed multi-console configuration.
- **Smooth Migration.** The ability to simultaneously connect to multiple radio networks enables smooth migration scenarios.
- **High Availability.** The optional use of redundant servers on different locations provides high availability and fault tolerance.
- **Easily Adaptable.** The strong configurability of the GUI and automated enterprise logic means Kolibri can be tailored to individual needs to meet specific customer requirements.
- **High Situational Awareness.** The integrated user interface for radio dispatch, map based tracking and optional other systems provides a high situational awareness.

### KEY FEATURES

- Seamless integration of dispatching and map based tracking.
- All dispatch operations also available on map.
- Voice communication and text messaging.
- Logging and replay of all events and speech.
- Radio system independent.
- Simultaneous use of multiple radio systems.
- True IP based architecture.
- Strong configurability to user requirements while remaining COTS.
- Scalable from single console to multi-console WAN configuration.
- Optional integration with other systems.
- Wired IP connections to radio networks.

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WEB:  
[www.kolibri-systems.com/index.php?p=2](http://www.kolibri-systems.com/index.php?p=2)

ALSO FROM PARTNER

### KOLIBRI SYSTEMS

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2623 CR Delft  
The Netherlands

W: [www.kolibri-systems.com](http://www.kolibri-systems.com)



# WIRELESS CONNECTED DISPATCH & TRACKING FOR SMALL SYSTEMS BRINGING DIGITAL WIRELESS COMMUNICATION TO YOUR CONTROL ROOM

## KOLIBRI DISPATCH SOLUTION

The Kolibri Dispatch solution is an easy to use suite of tools for your control room. Enabling communication with field staff through a multitude of call capabilities.

### MARKETS

Airports, Government Institutes, Harbour Industry, Oil & Gas, Public Safety, Public Services, Security, Transportation.

### GEOGRAPHICAL SCOPE

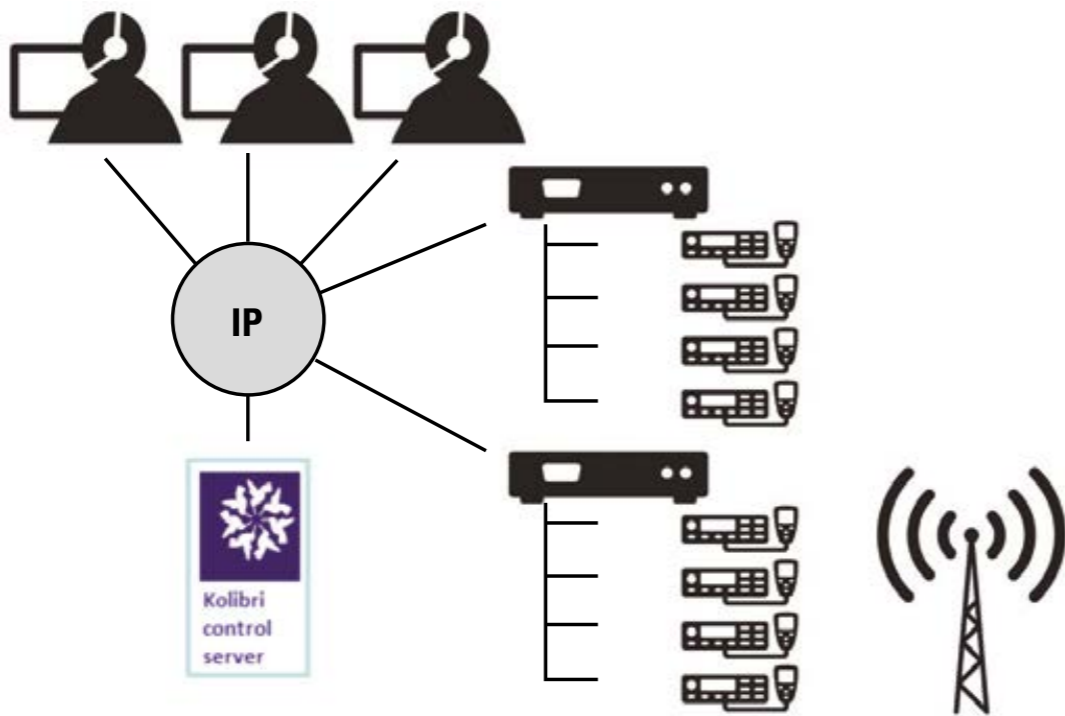
Asia, Europe, Latin America, Rest of World

### SUPPORTED LANGUAGES

Any language can be supported since all GUI text is stored in the database. Currently available in Danish, Dutch, English, French, German and Spanish.

Kolibri is a control room solution for radio dispatch, map-based tracking in mission critical environments. An easy and cost effective way of managing and monitoring resources that can be tailored to individual needs.

Dispatching and keeping track of resources using maps is fundamental for any control room. Kolibri can be seamlessly integrated with telephony, telemetry, video surveillance, incident management and other systems or tailored to specific needs. The wireless version uses wireless connections through a shared pool of radios to connect to one or more radio networks and can be combined with a wired-connected solution if required.



WIRELESS CONNECTED DISPATCH & TRACKING FOR SMALL SYSTEMS



## SYSTEM REQUIREMENTS AND TYPES

Requires one or more radio networks such as Dimetra or MOTOTRBO, a pool of one or more mobile radios, standard Windows PC platform and IP Infrastructure for Kolibri servers and consoles.

Radio Requirements of Kolibri wireless – all Motorola TETRA radios and all Dimetra IP releases.

## KEY BENEFITS

- **Cost Effective for Small Networks.** Wireless connection is ideal for networks with low voice traffic capacity and represents a much more affordable option.
- **Supports Mobile or Isolated Control Rooms.** Allows control rooms without a wired IP connection to connect to the radio network.
- **Smooth Migration.** The ability to simultaneously connect to multiple radio networks enables smooth migration scenarios.
- **Remote Support.** IP based architecture offers geographically dispersed multi-console configuration.
- **High Availability.** The optional use of redundant servers on different locations provides high availability and fault tolerance.
- **Easily Adaptable.** The strong configurability of the GUI and automated enterprise logic means Kolibri can be tailored to individual needs to meet specific customer requirements.
- **High Situational Awareness.** The integrated user interface for radio dispatch, map based tracking and optional other systems provides a high situational awareness.

## KEY FEATURES

- Seamless integration of dispatching and map based tracking.
- All dispatch operations also available on map.
- Voice communication and text messaging.
- Logging and replay of all events and speech.
- Radio system independent.
- Simultaneous use of multiple radio systems.
- True IP based architecture.
- Strong configurability to user requirements while remaining COTS.
- Scalable from single console to multi-console WAN configuration.
- Optional integration with other systems.
- Wireless connection uses a pool of radios shared by consoles - Kolibri Media Servers connect the radio pool to the IP infrastructure.

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WEB:  
[www.kolibri-systems.com/index.php?p=2](http://www.kolibri-systems.com/index.php?p=2)  
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ALSO FROM PARTNER

## KOLIBRI SYSTEMS

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2623 CR Delft  
The Netherlands

W: [www.kolibri-systems.com](http://www.kolibri-systems.com)



# M-VISION CALL OUT SYSTEM

## TRANSFORM THE WAY YOU CONNECT WITH YOUR COMMUNITY

**M-VISION**  
The Call Out system enables dispatchers to quickly and efficiently organise resources in an emergency situation. Target personnel in the right area, request response, and swiftly assemble a group to progress and incident.

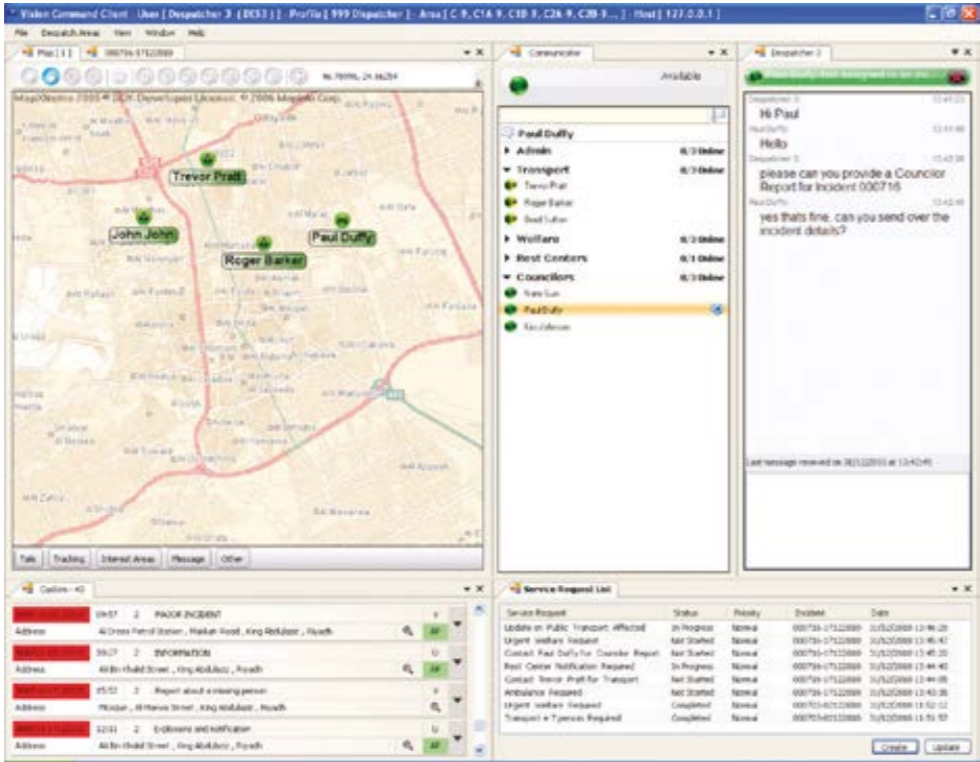
**MARKETS**  
Emergency Service Agencies, TETRA Radio Console Customers.

**GEOGRAPHICAL SCOPE**  
Asia, Europe, Latin America.

**SUPPORTED LANGUAGES**  
Arabic, English, Spanish.

Provided by Motorola in partnership with Capita, the M-VISION Call Out application uses a geographical user interface to send, receive and monitor location information to simplify emergency communications. A reliable resource for efficient management of minor events and major incidents requiring personnel coordination and rapid exchange of information.

Being able to send instant data communications to multiple recipients simultaneously over a variety of channels is essential for efficient incident management. Developed using industry standard Microsoft™ languages and the Microsoft™ .NET framework, Capita M-VISION Call Out is a multi-lingual solution for agencies worldwide.



### SYSTEM REQUIREMENTS AND TYPES

- Microsoft Windows .NET Environment and Operating Systems.
- Industry Standard Hardware.
- Third Party Mapping Data.

Radio Requirements of Capita M-VISION Call Out Solutions – all Motorola TETRA radios.

### KEY BENEFITS

- **Multi-Lingual Platform.** M-VISION Call Out can be deployed in international languages such as Arabic or dual language for agencies requiring both English and local language operations.
- **Improves Efficiency.** Emergency responders need to make every second count. Functions such as presence, instant messaging, outbound calling and conferencing saves precious time and ultimately lives.
- **Saves Costs.** Because Capita solutions are scalable, customers can grow and expand their systems to meet business needs and make better use of existing infrastructure.
- **Meets Specific Needs.** Emergency response agencies can now enjoy the benefits of a Command and Control system without the need to invest in a full computer-aided dispatch solution. This gives them the freedom to focus on their specific needs.

### KEY FEATURES

- Supports data communications over a variety of delivery channels such as TETRA, Short Message Service or instant messaging delivered by GPS.
- Two way data communications between control room and responders.
- Secure and resilient – call out messages are sent over a priority channel on a secure network.
- Send an instant message containing details of an event.
- Perform a call-out message requesting a response – this response triggers a status change within the application and the recipient is automatically assigned to the event talk group (optional).
- Send a message with a URL or an attachment (e.g. picture of missing person).
- Tracking and Auditing - enables tracking and auditing of responses.

Contact your local Motorola representative for further details  
W: [motorolasolutions.com](http://motorolasolutions.com)

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DATA SHEET:  
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ALSO FROM PARTNER

# M-VISION

## COMMAND, CONTROL AND COMMUNICATION SYSTEM

**M-VISION**  
In the heat of the moment, it's imperative that first responders and front-line personnel have the information they need to make the best decisions at the scene. During mission critical situations, where every second counts, you need to locate and mobilise appropriate available resources and communicate critical information to the frontline people that need it.

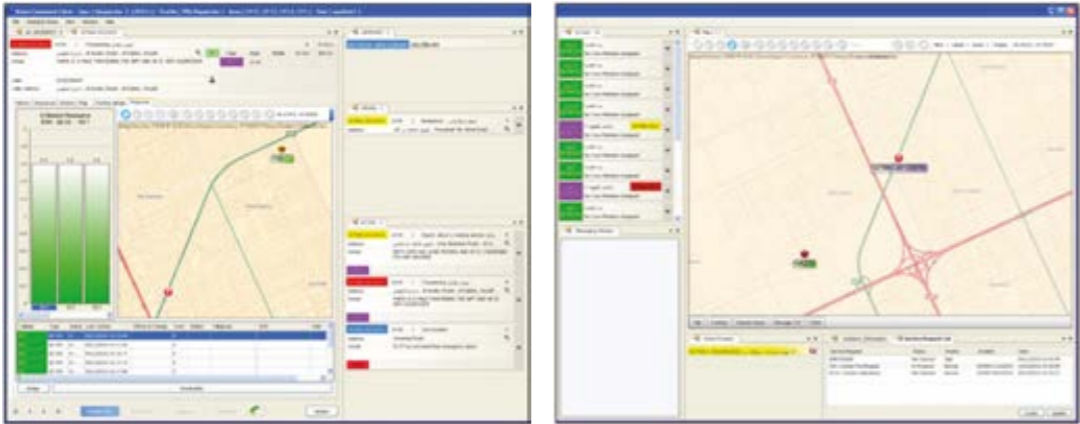
**MARKETS**  
Ambulance, Coastguard and Multi-agency, Emergency Service Agencies, Fire, Police.

**GEOGRAPHICAL SCOPE**  
Asia, Australia, Europe.

**SUPPORTED LANGUAGES**  
Arabic and English.

Provided by Motorola in partnership with Capita, the M-VISION Command, Control and Communications system supports and enhances the operational activities in an Emergency Services Agency control room and out in the field. A comprehensive tool delivered through a single operator workstation for efficient incident management.

Being able to effectively manage core tasks of communication, call taking, resource deployment and incident management is a prerequisite for fast emergency response. Developed using industry standard Microsoft™ languages and the Microsoft™ .NET framework, Capita M-VISION is a multi-lingual solution for agencies worldwide.



### SYSTEM REQUIREMENTS AND TYPES

- Microsoft Windows .NET Environment and Operating Systems.
- Third Party Database Licensing.
- Third Party Routing and Mapping Data.
- Industry Standard Hardware.

Radio Requirements of Capita M-VISION Command, Control and Communications Solutions – all Motorola radios.

### KEY BENEFITS

- **Multi-lingual Platform.** M-VISION can be deployed in international languages such as Arabic or dual language for agencies requiring both English and local language operations.
- **Easy-to-Use Interface.** In its full configuration, M-VISION provides a common user interface through a single operator workstation to manage all core tasks. This integrated approach has been achieved through the use of latest IT developments including Voice over IP, VoIP, Computer Telephony Integration, CTI and Spatial Analysis and Databases.
- **Highly Configurable.** M-VISION functionality is both extensive and highly configurable, allowing each individual agency to define a set of business rules for the processing of emergency calls and a subsequent response for each incident scenario.
- **True Flexibility.** Deploy M-VISION as a standalone system or as a complete suite of applications for a complete end-to-end solution. Each application can be enhanced by implementing add-on products to improve operations.

### KEY FEATURES

- Supports and enhances all the operational activities in an Emergency Services Agency Control Room and in the field.
- Manages the core tasks of communications, call taking, resource deployment and incident management.
- Utilises latest developments in IT including Voice over IP, VoIP, Computer Telephony Integration, CTI and Spatial Analysis and Databases.
- Highly configurable design allows each agency to define a set of business rules for call scripts, initial response and associated action plans for each scenario.
- Can be configured to operate with any combination of workstation clients.
- Full workstation client uses a Window Geographical User Interface (GUI) for use in control rooms where speed and accuracy of response and integration of communications are essential.
- Extended web client for users outside the control room allows monitoring of incident and resource activity or registering/updating of incident status.

Contact your local Motorola representative for further details  
W: [motorolasolutions.com](http://motorolasolutions.com)

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ALSO FROM PARTNER



# NETWORK SYSTEMS MONITOR (NSM) FLEET MONITOR

## NSM

Access all your Mobility Service Systems and Management tools from a single clear and modern user interface that you can take anywhere. NSM leverages the latest functionality in Microsoft Windows Presentation Foundation, mixed with popular standards for client server interfaces via web connections to provide a seamless user experience that performs in the office or on the road.

### MARKETS

Ambulance, Command & Control Centers, Fire, Police, Utility.

### GEOGRAPHICAL SCOPE

Worldwide.

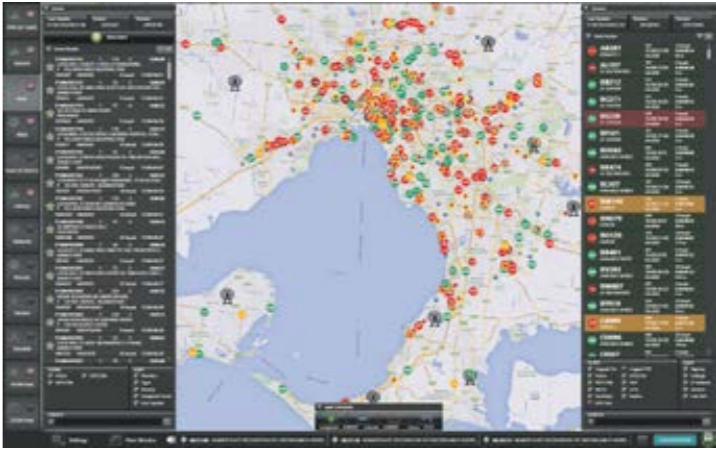
### SUPPORTED LANGUAGES

English.

NSM is a simple, clear, true real-time application that can be taken anywhere. With an easy to deploy low bandwidth secure web socket network interface, Click-Once client installation and fully persistent data storage, use NSM Fleet in operations from simple fleet monitoring to critical emergency call taking and dispatch. Built for public safety resilience and security, NSM Fleet is suited for both enterprise and government fleet solutions.



Network Systems Monitor (NSM)



## SYSTEM REQUIREMENTS AND TYPES

Supported on Dimetra IP Scalable Release 7.x and above.

**CLIENT** - Operating System Microsoft Windows XP/Vista/7/8+, RAM 2GB or higher, Software Microsoft .NET Framework 4 (or higher), Network 3G/GPRS connectivity to NSM server or faster.

**SERVER** - Radio System (TETRA) Dimetra IP on Release 7.1 or later with SDR, Operating System Microsoft Windows Server 2008 R2+ (IIS 7+ and MSMQ), RAM 2GB or higher, Software Microsoft SQL Server 2008 (or Express for limited history), Microsoft .NET Framework 4 (or higher), (optional) Industry standard machine for hosting private Open Street Map web services, (optional) Customer supplied licensing for third party Google or Bing mapping licensing.

## KEY BENEFITS

- **CAD Efficiency & Response Times.**  
Improve mobile fleet productivity, performance and situational awareness with Computer Aided Dispatch functionality.
- **Flexible Deployments.** Proven to reliably track thousands of active vehicles and events in true real time over consumer grade wireless 3G public cellular connections, where NSM client workstations can be easily deployed and upgraded using web based Click Once deployment.
- **Visual Replay.** Recall critical event data and visualize it instantly on screen with quick replay functionality from any NSM client workstation.
- **Open API.** Use the NSM (REST) Application Programming Interface to integrate your custom application to perform tasks such as triggering new events from third party applications, assigning units or modifying unit and event properties. Export data directly via the API or from the NSM client workstation to either XML or CSV format.

## KEY FEATURES

- Internet ready - Access the service in real time, from anywhere, using bandwidth optimised - secure web connections.
- True real time visualisation - no caching - no polling - data visualised when it is received by the network.
- Real time device mapping via fast private tile based map services (based on Open Street map, Google Maps, Bing Maps or any other WMS compliant mapping service).
- Lifetime data recording, including one touch replay of device movements and event chronology.
- Proven technology used internally by Motorola Solutions Managed Services in public safety solutions.
- Multi radio platform - Supports Tetra/Dimetra (via SDR), ASTRO P25 (via UNS) and Premier MDC Mobile Data based Systems.
- Permission based login - for allocating functionality to each login.

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WEB:  
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# SAFEDISPATCH

## MOBILIZING YOUR WORLD WITH TOMORROW'S SOLUTIONS, TODAY

### SAFEDISPATCH

SafeDispatch™ provides all the necessary means to effectively track and monitor mobile assets and personnel by adding intelligent features that work in conjunction with the embedded capabilities of your TETRA radios.

**MARKETS**  
Education, Petroleum/Chemical, Public Safety, Transportation, Utilities.

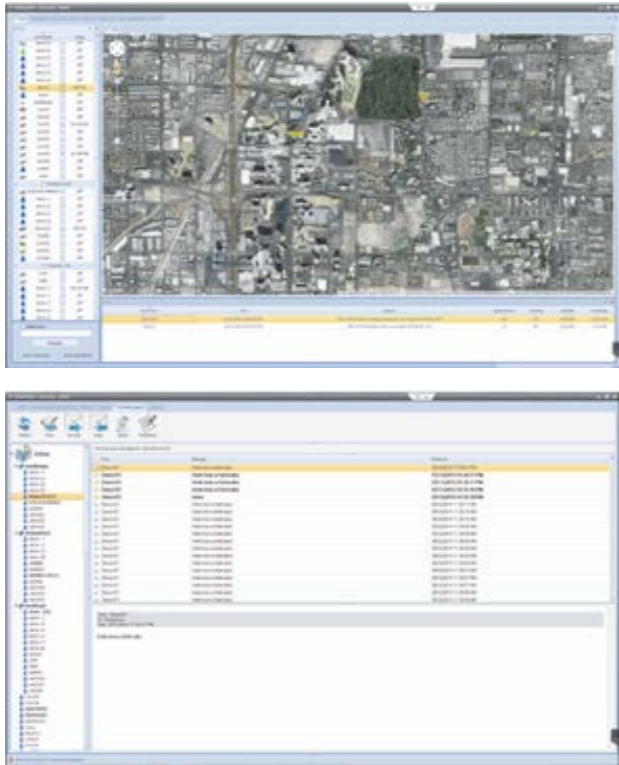
**GEOGRAPHICAL SCOPE**  
Africa, Asia Pacific, Europe, Latin America, Middle East, North America.

**SUPPORTED LANGUAGES**  
Arabic, Chinese, Czech, English, French, German, Italian, Romanian, Russian, Spanish, Turkish. Other languages available on request.

SafeDispatch™ is our client-hosted software application that enables organizations to effectively track and monitor mobile assets and personnel by adding intelligent features that work in conjunction with the embedded capabilities of their TETRA radios.

Adding SafeDispatch™ solutions almost instantly provide a return on your investment though benefits including: increased productivity, time and route management, effective customer service, fleet maintenance monitoring, insurance premium reductions for incorporating GPS/AVL applications into your business model, improved communication, real-time data to pinpoint cost saving opportunities, reductions in overtime and other operating expenses and many more.

Customers host and manage the intuitive solution on their own private network, without incurring any monthly fees associated with other web-based or GSM/cellular subscription-based data and messaging options.



### SYSTEM REQUIREMENTS AND TYPES

- Operating System(s) Windows 7 Ultimate, No Media, 64-bit, English.
- Processors 3rd Gen Intel® Core i7-3770 . (Quad Core, 3.40GHz, 8MB w/HD4000 Graphics).
- Memory 8GB, NON-ECC, 1600 MHZ DDR3, 2DIMM.
- Removable Media Storage Device 16X DVD +/- RW SATA.
- Boot Hard Drives 1TB 3.5" SATA 6Gb/s with 32 MB Databurst Cache.
- Graphics Cards 1GB AMD RADEON HD 7470, FH, w/VGA.
- System Recovery Recovery Media for Windows 7 Ultimate, SP1, 64bit, Multiple Language.
- Power Supply OptiPlex 7010 MT Standard PSU.
- Low Power Mode 1 Watt ready low-power mode.

### KEY BENEFITS

- **Improved Efficiency.** SafeDispatch provides coordination, flexibility, time saving and efficient control over all radios in field to stay informed wherever you are.
- **Streamlined Communication and Convergence of Information.** Have access to the real-time information you need to make essential decisions with simultaneous communication and data sharing through one centralized hub, even across multiple radio platforms.

### KEY FEATURES

- SafeDispatch is built in modular suites, allowing you to choose which features are most appropriate for your needs. Suites include:
- **GPS/AVL:** Real-time GPS using live Google Maps, Speed and Heading, Historical playback, Geofencing, Landmarks and Emergency Notifications.
  - **Text Messaging:** Text Communication between radios and dispatchers with individual and group messaging.
  - **Email:** Send and receive emails between radios and any computer; receive alarm notifications to designated email addresses.
  - **Enhanced Reporting:** Multiple location-based reports preset to provide essential analytics of your subscribers; exportable and emailable.

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# DISCOM IP

## RADIO DISPATCHING CONSOLES REDEFINED

**DISCOM IP**  
An openly scalable number of control consoles and radio devices can be easily connected via a standard Ethernet network and are configuring themselves automatically.

**MARKETS**  
Airports/Harbours, Coastguard, Public Safety/Security, Railroad, Transportation.

**GEOGRAPHICAL SCOPE**  
Africa, Asia Pacific, Europe, Latin America, Middle East, North America.

**SUPPORTED LANGUAGES**  
English and German.

The Schnoor DISCOM IP radio console system provides state of the art connectivity. An openly scalable number of control consoles and radio devices can be easily connected via a standard Ethernet network and is configuring itself automatically. The Schnoor TSBG Series provide a competitive selection of consoles with the most effective user interface possible: well-laid out, robust and capable of day-to-day use in harsh mission-critical conditions.

The consoles in the Schnoor TSBG Series have been specially designed for the Schnoor DISCOM IP system and exclusively for PMR deployment. The dynamic touch screen ensures that the situation at hand is always clearly and precisely mapped out for operators and field personnel when utilising their radio sets. The screen also adjusts according to the situation and can, for example, display a full keyboard for text messaging.



DISCOM IP



### SYSTEM REQUIREMENTS AND TYPES

- The system requires power supply and Ethernet.
- Supported on all Dimetra platforms.
- Analog radios are also supported.

### KEY BENEFITS

- **Push-to-talk (PTT) Control.** Conventional push buttons keys are available. In addition to the solid metal body, all Schnoor TSBG Series controls are strongly geared towards supporting you in your work for a long time to come!
- **Easy Configuration.** It is extremely simple to configure the consoles: the system automatically detects whether and which radio set has recently been added to the system and immediately displays this along with the relevant options on the screen.
- **Equipment.** Your individual Schnoor TSBG console can be equipped with or without a handset (with or without PTT) gooseneck microphone, both options together or with a speaker only for deployment as a monitoring device. The scalability, flexibility the innovative IP based architecture makes the Schnoor DISCOM IP system ready for the future from the first day - it really does redefine radio dispatching consoles!

### KEY FEATURES

- Comprehensive IP-based architecture is integrated into your LAN.
- Flexible connection to any radio available on the market via Schnoor IPFU modules.
- Interoperable with the most commonly used types of radio set.
- Complete remote control or simple audio interface – you decide!
- Flexible touch screen –based consoles provide a simple user interface.
- Built-in short-term recording function, interface for long-term documentation optional.
- Optional telephone integration via ISDN SO.

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ALSO FROM PARTNER

# ONLINE TRACKER SOLUTION

## REAL-TIME TRACKING OF LOCATION

### ONLINE TRACKER SOLUTION

Being able to pinpoint exactly where your assets are at any point in time is vital for smooth and efficient running of an organisation. Using Servitron Online Tracker, you benefit from total control of your assets so you can offer your customers the best possible service.

#### MARKETS

Government, Transportation, Utilities and more.

#### GEOGRAPHICAL SCOPE

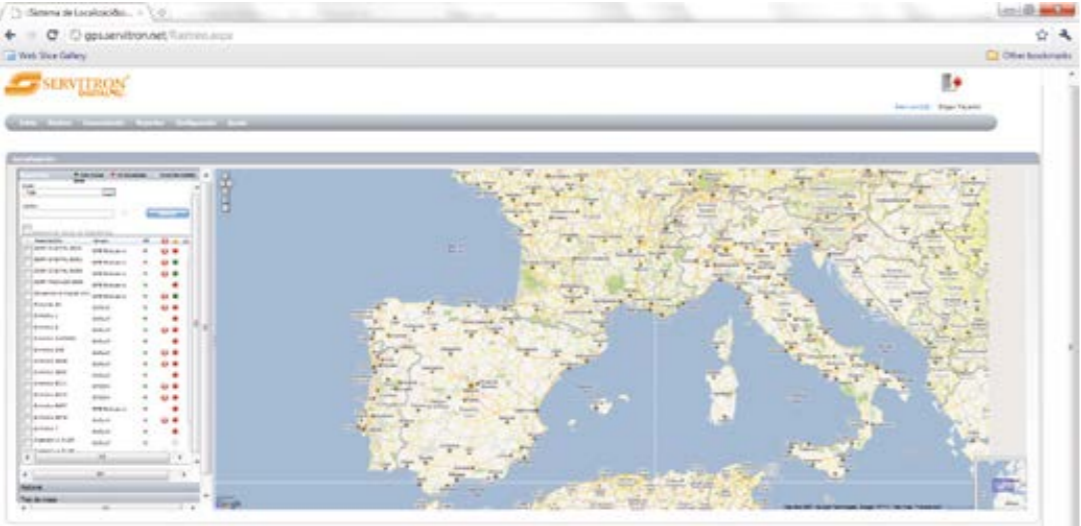
Worldwide.

#### SUPPORTED LANGUAGES

English, Portuguese, Spanish. Other languages available on request.

Servitron Online Tracker is one of the most powerful and comprehensive TETRA asset management platforms in the industry. It is designed for Motorola TETRA radios and enables comprehensive and efficient tracking of resources.

Being able to pinpoint exactly where your assets are at any point in time is vital for the smooth and efficient running of an organisation. Using Servitron Online Tracker, you benefit from total control of your assets so you can offer your customers the best possible service.



### SYSTEM REQUIREMENTS AND TYPES

The Servitron Online Tracker for Motorola Dimetra IP is compatible with ASP, .NET, AJAX and SQL 2005/2008/2012. It supports SSL and can be easily installed on a Windows Server 2008 R2 or higher.

Radio Requirements of the Servitron Online Tracker – applicable for all Motorola TETRA radios with Dimetra IP 6.2 or higher system software.

### KEY BENEFITS

- **Advanced GPS Tracking.** Web-based tracking with easy integration of any GPS hardware and full compatibility with Motorola Dimetra IP systems. Features include Ping-on-Demand, SDS Text Messaging, Google Maps integration, advanced geo-coding and geo-fencing.
- **Range of Alerts for Quick Response.** With low battery alerts, DMO on/off, TMO on, Loss & Recover GPS coverage, enter/exit geofence, Panic Button and Transmit Inhibit on/off, you remain in total control of your assets and can react instantly to issues that may arise.
- **Full Reporting.** Reports including Unit Activity, Unit Daily, Unit Hours Worked, Unit History, Alerts, Hardware Events and Start & Stop Report. Custom reports are available plus you can schedule and e-mail reports or export data.
- **Complete Asset Management.** The optional Servitron Online Tracker Hosted Solution offers a complete asset management platform developed for system operators. As a Service Provider, you can offer your customers a full-featured asset tracking solution that can easily be managed from the administration panel. Enjoy great features and multi-language support as we oversee and maintain your platform.

### KEY FEATURES

- Real-time and historical web based tracking.
- Asset, individual and fleet management.
- Vehicle maintenance schedules and reminders.
- Extensive alert options and notification services.
- Unparalleled geofencing functionality.
- Hardened security for full data protection.
- Complete and easy-to-use reports.
- Hosted solution.
- Works with MOTOTRBO infrastructure and GPS devices with GPRS.

#### SERVITRON

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# GEOGRAPHICAL DYNAMIC REGROUPING AND MONITORING SYSTEM

## KEEP FIELD TEAMS INFORMED

### GEOGRAPHICAL DYNAMIC REGROUPING AND MONITORING SYSTEM

The Stand-alone Dynamic Regrouping is a simple dispatching solution enabling dispatchers to have full control of radio fleets based on their geographical location.

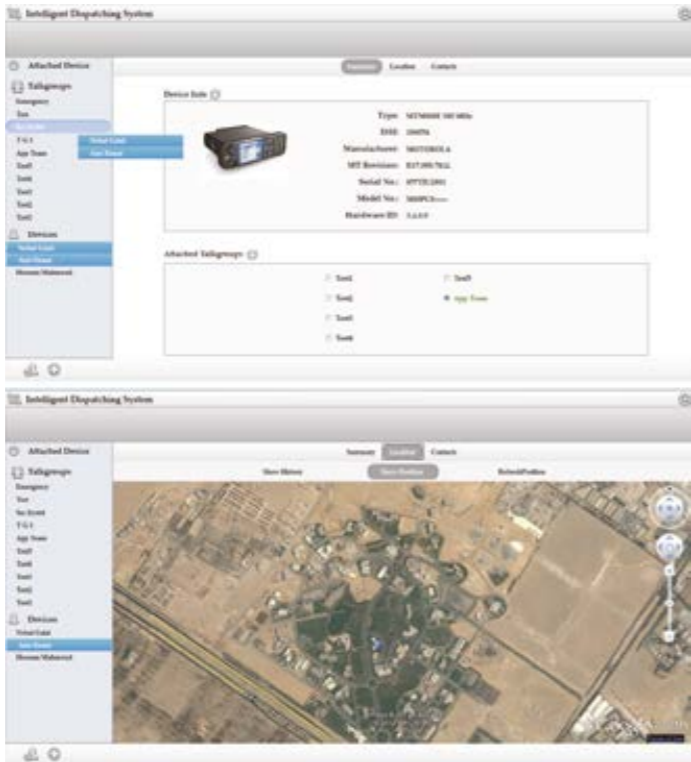
**MARKETS**  
Ambulance, CAP Companies, Fire, Government, Industrial, Police, Transportation Facilities.

**GEOGRAPHICAL SCOPE**  
Asia, Europe, MEA.

**SUPPORTED LANGUAGES**  
Arabic and English.

The Systel stand-alone Dynamic Regrouping and Monitoring System is a dispatching solution providing full control over any system requiring dispatcher access of multiple radios. An effective solution that gives operators the ability to make faster decisions.

Being able to mobilise field teams and keep them informed with the most up to date information is essential in any public safety or commercial situation. This stand-alone software application allows operators to interconnect devices by reassigning radios to other talkgroups, retrieve information and location at any time and monitor contacts.



GEOGRAPHICAL DYNAMIC REGROUPING AND MONITORING SYSTEM



### SYSTEM REQUIREMENTS AND TYPES

Requires Tetra network coverage, Motorola mobile radio and a PC with Windows OS (XP/VISTA/Windows 7), .NET framework 2.0, Serial/USB Port Connection and Internet Connection. Remote SDS Control Feature added to the TETRA radios required to control the application. Compatible with Dimetra IP Scalable.

Radio Requirements of Systel TRIM systems.

### KEY BENEFITS

- **Full Control.** The operator has full control over any system requiring dispatcher access of multiple radios based on geographical locations.
- **Works with TETRA.** A miniature module connects to a TETRA radio allowing the software to access many features from the radio remotely.
- **Monitor Talkgroups.** Dispatchers can access all of the talkgroups on each individual radio separately and add them to a list of talkgroups. By dragging and dropping radios from Google Earth maps via the software to the appropriate talkgroup, the operator can communicate with devices in this talkgroup through Push-To-Talk.
- **Edit Contacts.** Operators can add, delete or modify any contact from a selected radio device remotely through the software and view all technical information for that device.

### KEY FEATURES

- Communicate with devices in a talkgroup through Push-To-Talk.
- Regroup radios based on current location.
- Retrieve all information and location at any time upon request.
- Add, edit and remove contacts.
- Works with Motorola radios.

### SYSTEL

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ALSO FROM PARTNER

# ZONITH INDOOR POSITIONING SYSTEM (IPS) LOCATING PEOPLE AND ASSETS WITH BLUETOOTH

## IPS

The ZONITH Indoor Positioning Module can locate and track people and assets indoors, increasing staff safety and efficiency. People in distress can press their panic button and a text message with location information will reach the response team instantly. This is the perfect lone worker protection tool.

## MARKETS

Heavy Industry, Oil & Gas, Power Utilities, Public Safety, Retail, Security.

## GEOGRAPHICAL SCOPE

Asia, Australia, Europe, Latin America, North America.

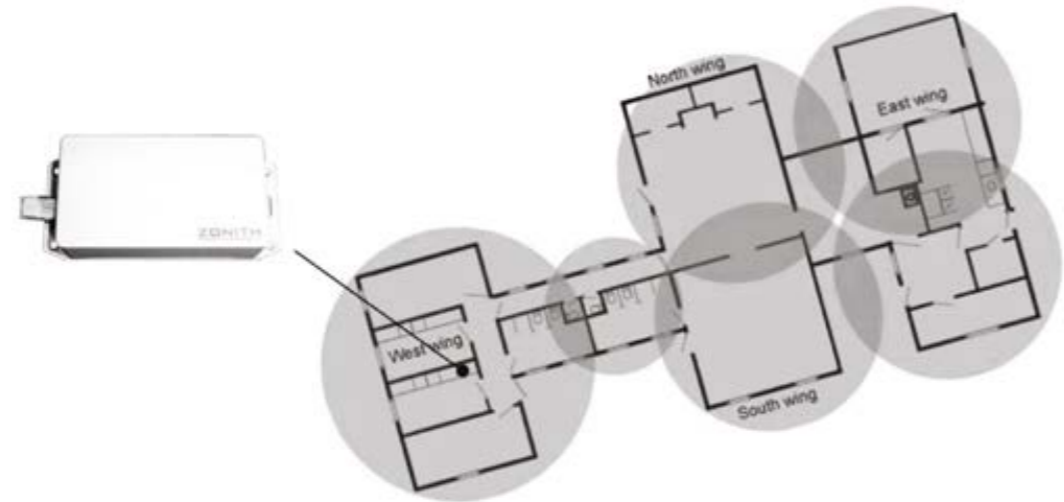
## SUPPORTED LANGUAGES

English.

ZONITH IPS is an indoor positioning system for locating and tracking Bluetooth® devices such as TETRA radios, mobile phones, side connectors and tags. An efficient system that monitors workers for safety purposes and assets for improved efficiency.

Keeping track of personnel working alone and valuable equipment is essential for maintaining safety and performance. ZONITH IPS monitors the unique identity in each Bluetooth device as it moves from zone to zone, detecting movement using small, discretely designed ZONITH Bluetooth Positioning Beacons.

**BLUETOOTH BEACONS CREATE ZONES.  
THE ACCURACY OF THE SYSTEM IS  
ADJUSTED THROUGH THE NUMBER  
OF BEACONS**



ZONITH INDOOR POSITIONING SYSTEM (IPS)



## SYSTEM REQUIREMENTS AND TYPES

The ZONITH IPS is entirely IP-based and only requires LAN connection and an IP Router/Switch.

Radio Requirements of the ZONITH Indoor Positioning System – applicable for all Bluetooth enabled TETRA radios.

## KEY BENEFITS

- **Real Time Positioning.** The Beacons are connected to a LAN which offers the fastest and most efficient communication of location data. Any Bluetooth device can be tracked independently and Beacons can be tuned to cover small or large zones. This is the only solution supporting real time indoor positioning without affecting radio network performance.
- **Immediate Response.** Each device is shown on a graphical display with the users name or role. It's easy to zoom from wide area maps to in-building floor plans to find a specific Bluetooth device. If someone has activated a lone worker alarm or panic button, the GUI immediately highlights who is in danger and where they are located.
- **Cost Effective.** Using an existing LAN and standard Bluetooth devices requires no extra investment in unnecessary network infrastructure or expensive proprietary identity devices.

## KEY FEATURES

- Real Time Positioning using Beacons.
- Clear Graphical User Interface with personal tracking and zoom features.
- Scalable – add more Beacons for greater accuracy.
- Beacons are available in different antenna configurations and can be tuned to cover up to 100 metres.
- Provides a backbone for System Integrators to create intelligent location based services such as emergency response, panic alerting, guard touring and lone worker.
- Supports Personal Emergency Alarming - control room staff are instantly alerted through the graphical display or by text on TETRA radios or mobile phones when a worker activates a TETRA radio emergency alarm.
- Can be used to create 'Safe Areas' - if someone leaves a 'Safe Area', IPS will automatically activate Lone Worker for safety purposes and deactivate the service when the person returns.

## ZONITH A/S

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**ALSO FROM PARTNER**

**ZONITH**

**ZONITH**

# OFFSHORE WIND FARM PERSONNEL TRACKING SOLUTION

## ENSURING SAFETY OF PERSONNEL

### ZONITH OFFSHORE WIND FARM PERSONNEL TRACKING SOLUTION

Zonith provide solutions for safety, security and situation awareness and a core element in these solutions is to provide immediate information about staff locations if an incident should happen. Zonith software solution uses standard GPS technology to determine the position so staff can be safeguarded no matter where they are located.

**MARKETS**  
Offshore Wind Farm Operators.

**GEOGRAPHICAL SCOPE**  
Europe.

**SUPPORTED LANGUAGES**  
English.



ZONITH Offshore Wind Farm Personnel Tracking Solution is a Dimetra based system that monitors where maintenance and service engineers are located at all times. An essential solution that combines TETRA radios and RFID readers to ensure the safety of personnel working in difficult and often isolated environments.

Efficiency and a constant focus on safety are vital aspects of maintaining wind farms. The ZONITH Offshore Wind Farm Personnel Tracking Solution provides Wind Farm operators with accurate information about engineer location to ensure their safety at all times, whether travelling on a vessel or working on a wind turbine platform.



OFFSHORE WIND FARM PERSONNEL TRACKING SOLUTION



### SYSTEM REQUIREMENTS AND TYPES

Interfaces to Dimetra via a Motorola Dimetra Short Data Router interface and Mobile TETRA radio PEI interface. The solution is based on a standalone ZONITH.

Radio Requirements of the ZONITH Offshore Wind Farm Personnel Tracking Solution – applicable for all TETRA radios.

### KEY BENEFITS

- **Simple Swipe-in System.** Each engineer has an RFID swipe card and a GPS enabled TETRA radio. On boarding a vessel, they simply swipe their identity card on the ZONITH RFID Swipe Card unit.
- **Centralised Monitoring – Engineer ‘On Vessel’.** Using TETRA SDS messaging, the unit dispatches swipe-in data and the GPS location of the vessel to a Wind Farm Manager application, which verifies the information and returns a TETRA SDS message. Acknowledgement of this message confirms the location via the GPS position of their radio.
- **Centralised Monitoring – Engineer ‘On Wind Turbine Platform’.** Vessels travel towards the wind farm entering a geo-fenced area surrounding the location of a turbine. The engineer swipes his identity card on the RFID unit to verify he will disembark and enter the wind turbine.
- **Easy and Flexible Configuration.** The system is highly scalable for monitoring small and large scale wind farms. It can be enhanced to include lone worker and automatic emergency alarm monitoring for identifying the location of personnel in distress.

### KEY FEATURES

- Tracks personnel when boarding and disembarking a Wind Farm service vessel.
- Verifies personnel locations using RFID and TETRA GPS messaging.
- Ensures accurate location data using geo-fences at each wind turbine.
- Interfaces directly to the MOTOROLA Dimetra short data router.

FIND  
OUT  
MORE

WEB:  
[www.zonith.com](http://www.zonith.com)

ALSO FROM PARTNER

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# TETRA INTERFACE

## UNIVERSAL TETRA INTERFACE TO COMMEND INTERCOM SYSTEMS

### TETRA INTERFACE

The TETRA interface offers seamless integration of TETRA radio devices into Commend Intercom systems. Therefore it is possible to gain access to TETRA radio and communicate within the radio network via Commend Intercom terminals.

### MARKETS

Fire and Emergency Medical Services, Healthcare, Hospitality, Mining, Oil & Gas, National Government Security, Police, Public Services (non-Public Safety Government), Transportation & Logistics, and Utilities.

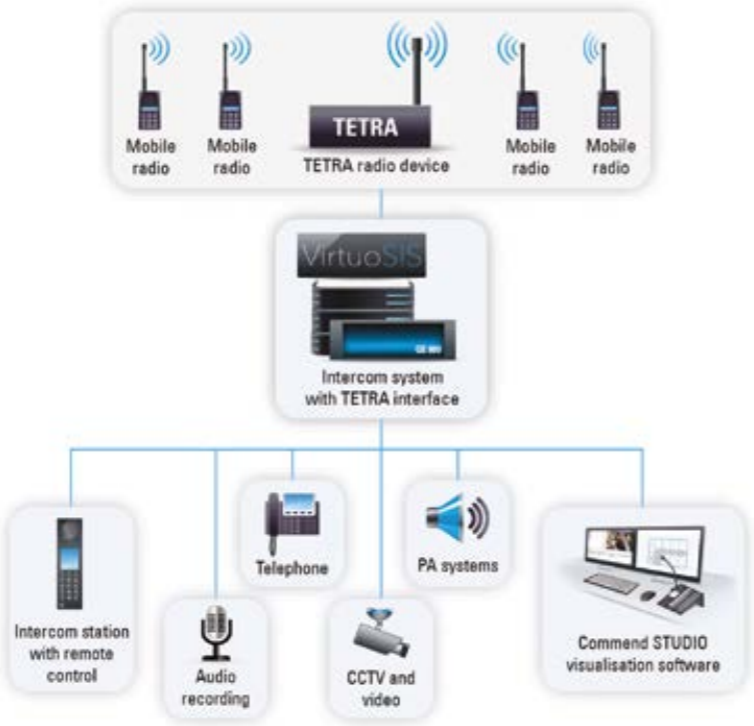
### GEOGRAPHICAL SCOPE

Africa, Asia Pacific, Europe, Middle East & North America.

### SUPPORTED LANGUAGES

English & German. Other languages available on request.

The integration of TETRA radio devices into the Intercom system, connects two technologies and enables perfect overarching communication. Furthermore, authorised Intercom terminals have access to digital mobile radio functions, like group switching, operation mode switching (DMO/TMO) or talking party identification. This universal TETRA interface is perfectly suited for use in e.g. control rooms of emergency call centers.



TETRA INTERFACE



### SYSTEM REQUIREMENTS AND TYPES

- Radio Hardware/Releases Compatibility:
  - TETRA mobile radio MTM800, MTM5400.
  - Connection cable (RS232 + audio in/out).
- IP Technology.
  - ET908A (IP based audio gateway).
- Computer Hardware/ Operating Systems:
  - Commend Intercom Server GE800 + Interface card G8-VoipSERV or virtual Intercom Server VirtuoSIS.
- Interfaces.
  - MOXA Nport (IP to RS232 converter).

### KEY BENEFITS

- **New opportunities.** With the TETRA integration, Commend expands its Intercom functionalities with digital radio and enables new solutions for various applications.
- **Easy configuration.** This TETRA integration allows easy Group selection (GSSI) and operation mode switching (DMO/TMO) via a control menu on Intercom terminals.
- **High availability.** In areas with restricted radio reception, the link to the Commend Intercom system allows continuous availability.

### KEY FEATURES

- Serves as interface between Commend Intercom Server and TETRA radio.
- Up to 20 TETRA radios can be managed per interface.
- Remote control and menu functions.
- TalkGroup selection via the control menu.
- Switching of the operation mode between DMO/TMO.
- Display of radio information.
- Indication of ISSI or OPTA (German numbering scheme).
- Remote operation possible.
- Available for BOS radio receivers (German radio organization).

### COMMEND INTERNATIONAL

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# WAVE WORK GROUP COMMUNICATIONS

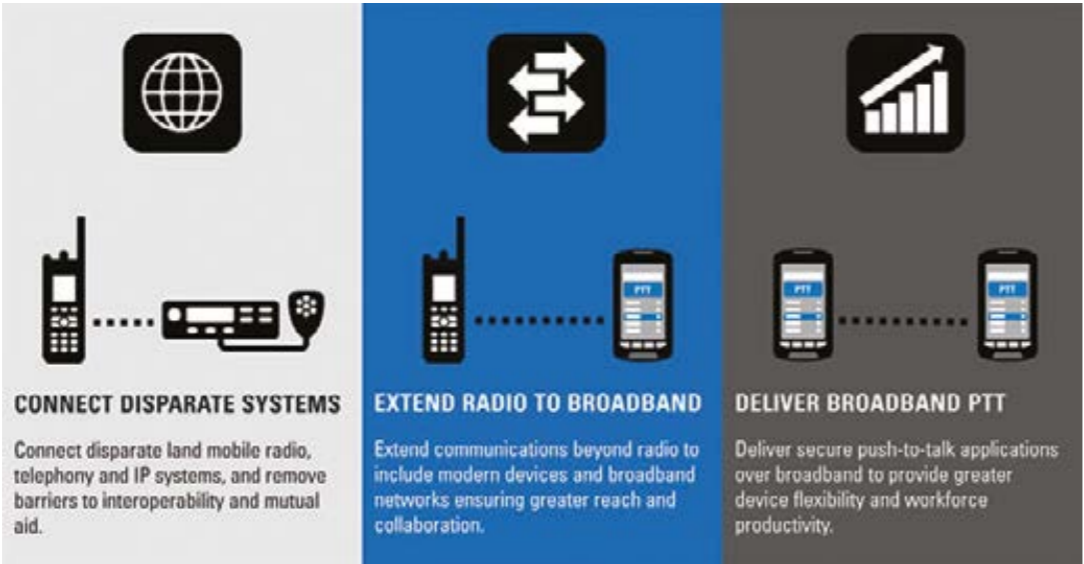
## EVERY DEVICE, EVERY NETWORK AND EVERY TEAM CONNECTED LIKE NEVER BEFORE

**WAVE**  
Extend communications beyond radio to include smartphone, table devices and broadband networks ensuring greater workforce connectivity and interoperability.

**MARKETS**  
All Motorola TETRA Users.  
**GEOGRAPHICAL SCOPE**  
Worldwide.  
**SUPPORTED LANGUAGES**  
English.

WAVE offers a companies a powerful, proven way to connect their people, in the field or in the office, so they can share information securely, reliably and in real- time – no matter the network, carrier or device. From two-way radios to smartphones, laptops to landlines, tablets to rugged handhelds, they can use the devices they already have and the networks they already subscribe to and talk to their mobile workers.

Communication between groups of people is a critical part of the day-to-day operations of any organization. Unfortunately, effective seamless communication is not easily solved when different people with different communications devices on different networks, in different roles, need to be connected. The WAVE Work Group Communications solution is a software platform and suite of applications that remove the technical barriers to secure instant communication across any IP network. WAVE’s resiliency has been tested in some of the world’s most difficult environments including battlefields, mines and the aftermath of natural disasters.



### SYSTEM REQUIREMENTS AND TYPES

Supported on all Dimetra IP systems

### KEY BENEFITS

- **Extending Reach.** Extend communications beyond radio to include modern devices and broadband networks ensuring greater workforce connectivity and interoperability.
- **Enhancing Choice.** For users who cannot or do not carry a radio, but still need occasional Interoperability with radio users.
- **Increasing Productivity.** By enabling non-radio users to Collaborate Efficiently via secure Push-to-Talk communication.

### KEY FEATURES

- WAVE Mobile Communicators allow users to communicate quickly and securely with Push-to-Talk.
- Distributed communications interoperability platform optimized for integrating and transporting real-time voice and data securely over any network.
- Connectivity to two-way radio, telephony and other legacy and modern communication systems.
- Turn smartphones and tablets (iOS and Android) into effective team collaboration devices.
- Desktop and web applications that enhance communications among teams of workers, whether in their office or mobile.
- WAVE includes applications that are role-specific and can be used stand-alone or integrated seamlessly into other popular communication and collaboration platforms.

Contact your local Motorola representative for further details

W: [motorolasolutions.com](http://motorolasolutions.com)

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VIDEO:  
<http://bcove.me/vbk40ehh>

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MOTOROLA  
SOLUTIONS

WAVE Work Group Communications



MOTOROLA  
SOLUTIONS

# TETRA INTEGRATION ON ALPHACOM INTERCOM SYSTEMS

## THE IDEAL SOLUTION FOR COMPLETE COMMUNICATIONS COVERAGE

### ZENITEL ALPHACOM

When life is at risk and when big money is at risk STENTOFON AlphaCom E provides out of the box , or tailored, critical communications. It is a powerful and flexible communications platform that serves a wide range of applications.

#### MARKETS

Fire Stations, Industry and other markets, Museum, Police Stations, Prison.

#### GEOGRAPHICAL SCOPE

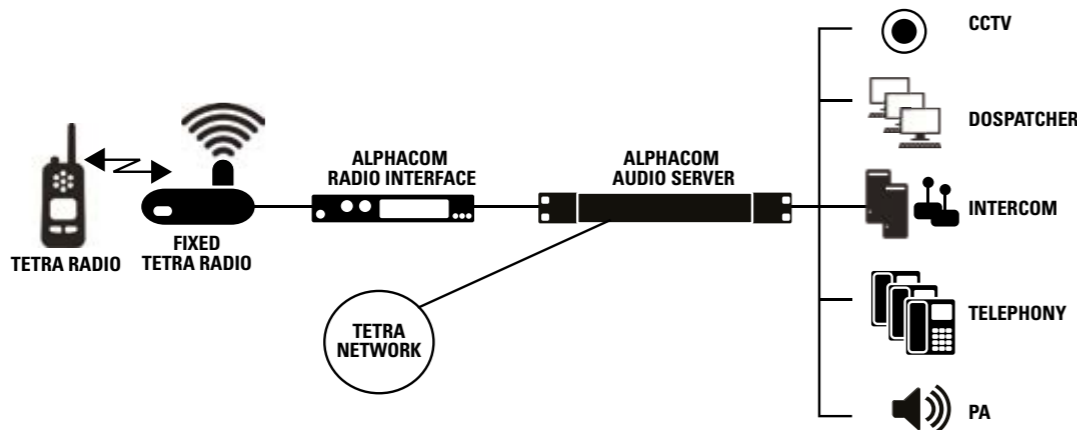
Asia, Europe, Latin America.

#### SUPPORTED LANGUAGES

English.

ZENITEL Alphacom is an application that allows seamless integration of TETRA radio communications into the well-proven STENTOFON AlphaCom intercom system using radio or SIP interfacing - the ideal solution for complete communications coverage.

Ensuring communications are being received and monitored at all times is critical, especially in environments such as prisons and police stations. ZENITEL Alphacom uses the STENTOFON IP-ARIO interface to integrate TETRA radio communications into Alphacom intercom systems. This protects personnel and ensures rapid response.



### SYSTEM REQUIREMENTS AND TYPES

The ZENITEL Alphacom works on TETRA networks and requires an Interface to a Motorola MTM5400 or MTM800 Enhanced databox using ETSI PEI and/or a SIP interface to Motorola Dimetra IP Micro or Dimetra IP Compact.

Radio Requirements of ZENITEL Alphacom – applicable for all TETRA radios.

### KEY BENEFITS

- **Total Coverage.** Supports group call and semi-duplex private calls from any intercom station to the TETRA system. Incoming calls are automatically diverted to one or more intercom stations and calling ID is provided on the receiving intercom station.
- **Enables Call Back.** Predefined Call Back request messages can be sent from the TETRA terminal which results in a CallBack message on the control room intercom station.
- **Optional SIP Integration.** Integration is also possible using a SIP interface between the AlphaCom and TETRA systems. Each radio is identified in the AlphaCom system including the configured SIP Trunk and calls to TETRA radios will automatically be directed over the SIP interface as full-duplex calls.

### KEY FEATURES

- Uses the STENTOFON IP-ARIO interface (audio, I/O and serial gateway) connected to a TETRA databox radio.
- Group call and semi-duplex private calls are supported from any intercom station to the TETRA system.
- Automatic divert of incoming calls to an intercom station.
- Calling ID on receiving intercom station.
- Predefined Call Back.
- Optional integration using a SIP interface.
- Supports all standard intercom features from a TETRA radio including private call, group call, broadcast call, group messages and busy override/notify.

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TETRA INTEGRATION ON ALPHACOM INTERCOM SYSTEMS



# ZONITH CENTRALISED LONE WORKER

## IMPROVE SAFETY AND EFFICIENCY WITH ZONITH CENTRALISED LONE WORKER SAFETY

### ZONITH CENTRALISED LONE WORKER

With ZONITH Centralised Lone Worker, people are assured that their safety is monitored even if their radio or mobile phone fails or is out of coverage. It automatically calls for help if a lone worker is unable to help themselves. It assists rescuers in finding lone workers as quickly as possible and automatically removes obstacles in their way.

#### MARKETS

Healthcare, Heavy Industry, Oil & Gas, Power Utilities, Public Safety, Retail, Security.

#### GEOGRAPHICAL SCOPE

Asia, Australia, Europe, Latin America, North America.

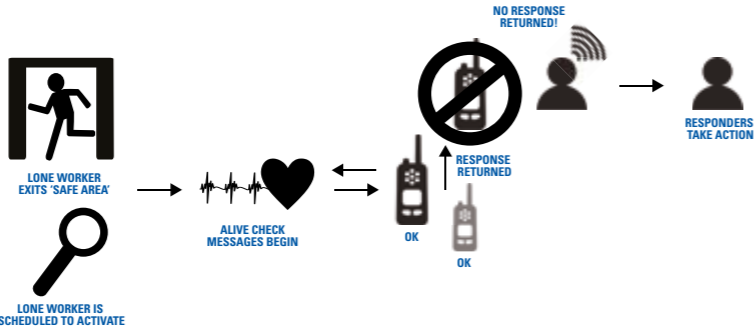
#### SUPPORTED LANGUAGES

English.

ZONITH Centralised Lone Worker is a Windows-based software application that monitors people by sending messages to their radio or phone - an essential solution for ensuring lone worker safety.

Keeping workers safe is a critical objective for every organisation. ZONITH CLW monitors personnel and immediately notifies support staff if replies are not received so action can be taken. This essential application gives workers assurance that their safety is being monitored even if their equipment fails or is out of coverage.

	On-Call Staff	CLW Status	Action	
⊕ Schedule	MOTOTRBO 20	●	Activate	Centralised Lone Worker is deactivated
⊕ Action Filters	Brain Cox	●	Activate	Centralised Lone Worker is deactivated
⊕ Locations	Stuart Delany	●	Deactivate	Centralised Lone Worker is awaiting Alive Acknowledge from user
⊕ Contact Persons	Simon Hughes	●	Activate	Centralised Lone Worker is deactivated
⊕ Indoor Positioning	Suzanne Lee	●	Deactivate	Centralised Lone Worker is activated
⊕ Users	Stephen Nugent	●	Activate	Centralised Lone Worker is deactivated
⊕ Competencies	Barry Simmons	●	Deactivate	Centralised Lone Worker is awaiting Alive Acknowledge from user
	Janet Smith	●	Deactivate	Centralised Lone Worker is activated
	Jonathan Surname	●	Activate	Centralised Lone Worker is deactivated
	Nicola Waters	●	Deactivate	Centralised Lone Worker is activated



### SYSTEM REQUIREMENTS AND TYPES

The ZONITH CLW works on TETRA networks and requires a Windows-based computer for software installation.

Radio Requirements of the ZONITH CLW – applicable for all TETRA radios and networks.

### KEY BENEFITS

- **Cost Savings.** Simultaneously supports TETRA, MOTOTRBO DMR, MPT1327 and mobile phones from a single centralized installation. Automatically activates and deactivates Lone Worker services across an entire work force, eliminating recurring charges.
- **Intelligent Solution.** Activates automatically based on the time of day or your location within a building Works with ZONITH Indoor Positioning to create Safe Areas, activating and deactivating when a person leaves and returns to a Safe Area.
- **Flexible and Scalable.** Allows you to start small and develop your Lone Worker solution without the need to purchase additional hardware by using existing radios. Supplied tool kit enables people to create user profiles for total protection of an entire workforce.
- **Automatic Scheduling.** Can be configured for individuals or large groups to turn on or off automatically at any time of day or night. A simple graphical user interface provides an overview of the Lone Worker status of each employee.

### KEY FEATURES

- ‘Alive Check’ messages can be sent whenever required - Lone Workers have a fixed amount of time to respond before an alarm is raised.
- Retry option gives users the flexibility to wait for the next ‘Alive Check’ without triggering an alarm.
- Messages can be defined and easily changed by the administrator to guarantee that only the right people are responding.
- Automatic Alarm Escalation when a Lone Worker fails to respond to an ‘Alive Check’ message.
- Password protected software installed on a single central computer for total security to prevent unauthorised access.
- Accessible using any connected web browser.

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BROCHURE:

[www.zonith.com/fileadmin/BrochuresAndCaseStories/ZONITH\\_Centralised\\_Lone\\_Worker\\_Solution\\_Brochure.pdf](http://www.zonith.com/fileadmin/BrochuresAndCaseStories/ZONITH_Centralised_Lone_Worker_Solution_Brochure.pdf)

ALSO FROM PARTNER



ZONITH CENTRALISED LONE WORKER



# DIMETRA IP VOICE RECORDING SOLUTION DEDICATED SOLUTION FOR CONTROL CENTRES

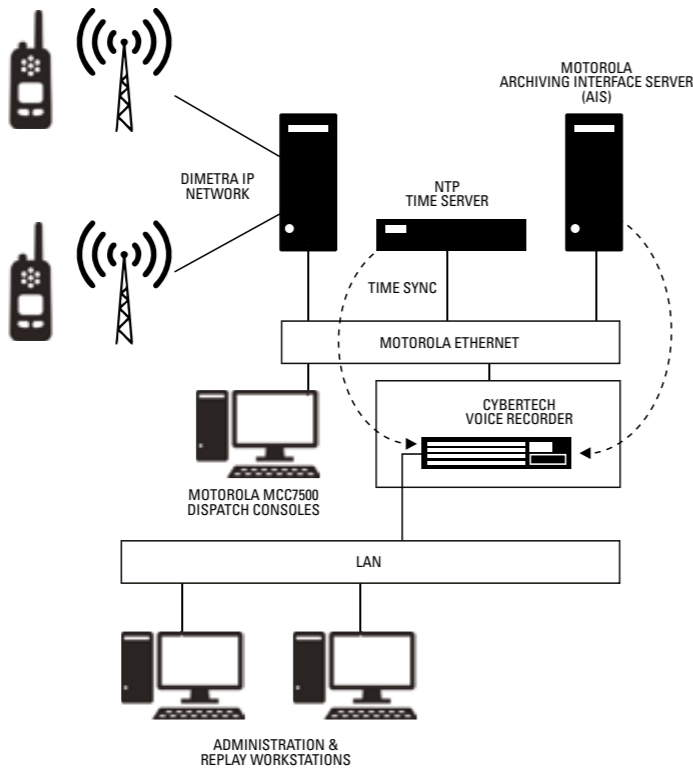
## CYBERTECH VOICE RECORDING

Call recording is no longer just a tool used by contact centres to meet legal compliance requirements. Organizations are quickly learning that voice and data recording can be a great resource of improving a company's productivity and financial performance. Cybertech's solutions are ready to help you deliver that benefit.

- MARKETS**  
Ambulance, Fire, Government, Industry, Police, Transport, Utility.
- GEOGRAPHICAL SCOPE**  
Asia, Europe, Latin America, North America.
- SUPPORTED LANGUAGES**  
Chinese (simplified & traditional), Dutch, English, French, German, Italian, Japanese, Korean, Portuguese, Spanish. Other languages available at customers request.

Provided as part of a Motorola Dimetra system, CyberTech Voice Recording systems record group, private and telephone interconnect calls and associated call details. A dedicated data recording solution for control centres that is comprehensive, accurate and tamper-proof.

Voice and data recording ranks as the number one application in mission-critical trunked radio systems. Based on efficient IP technology, CyberTech voice recording solutions are inherently reliable and secure against unauthorised access.



## SYSTEM REQUIREMENTS AND TYPES

- Requires LAN connection to Motorola Archiving Interface Server (AIS).
- Supported on Dimetra IP and Dimetra IP Micro systems. No specific radio requirements.
- Radio Requirements of CyberTech Voice Recording systems – applicable for all Motorola TETRA radios.

## KEY BENEFITS

- **Reliable Interface.** The interface between the Motorola Dimetra system and the CyberTech recorder is an Ethernet LAN connection to the Motorola Archiving Interface Server (AIS) using a remote Motorola MCC7500 Console Dispatch Application Programming Interface (API).
- **Secure Storage.** Audio is stored in TETRA ACELP format and calls are optionally encrypted using 256 Bit Rijndael AES audio encryption with MD 5 fingerprinting for authenticity. All data captured is stored in industry standard file formats to remain secure and accessible even if the recording equipment becomes obsolete.
- **Incident Replay Application.** This application is used in control rooms to search for and replay recordings from a variety of communication sources including radio and fixed or mobile telephones. It allows quick and easy analysis of specific emergency situations where simultaneous replay of all communications is required to accurately reconstruct incidents. Benefits include time savings for faster resolutions, enhanced operational efficiency and improved training opportunities.

## KEY FEATURES

- Supports the Motorola MCC7500 'Archiving Interface Server' (AIS) voice logging interface.
- AIS supports recording of group calls (Dimetra R6.1, R6.2, R7.0, R7.1) and individual calls (Dimetra R6.2, R7.0, 7.1).
- Maximum of 120 concurrent calls can be recorded (group + individual).
- 256 group targets can be monitored per AIS.
- 1000 (Dimetra R6.2, R7.0) or 3000 (Dimetra R7.1) radio targets can be monitored per AIS.
- Critical resources (groups / radios) given priority over non critical (normal) resources during busy periods.
- Recording of End-to-End encryption (E2EE) supported.
- Secure replay of E2EE calls using integration with the Motorola CryptR, Key Management Facility (KMF) and Audio Processing Entity (APE).

Contact your local Motorola representative for further details

W: [motorolasolutions.com](http://motorolasolutions.com)

# TRUNKED RADIO AND INCIDENT INFORMATION MANAGEMENT

## RADIO RECORDING AND REPLAY SERVICE FOR CONTROL CENTRES AND FIRST RESPONDERS

### TRUNKED RADIO AND INCIDENT MANAGEMENT

Capturing vital information including radio ID, alias and talk group from every call is critical for fast, efficient incident response. Based on reliable IP technology, NICE trunked radio and incident information management systems process data quickly to help dispatchers take the most appropriate and immediate action.

#### MARKETS

Control Centres, Emergency Services, Fire Brigade, First Responders in Police, Rail Centres.

#### GEOGRAPHICAL SCOPE

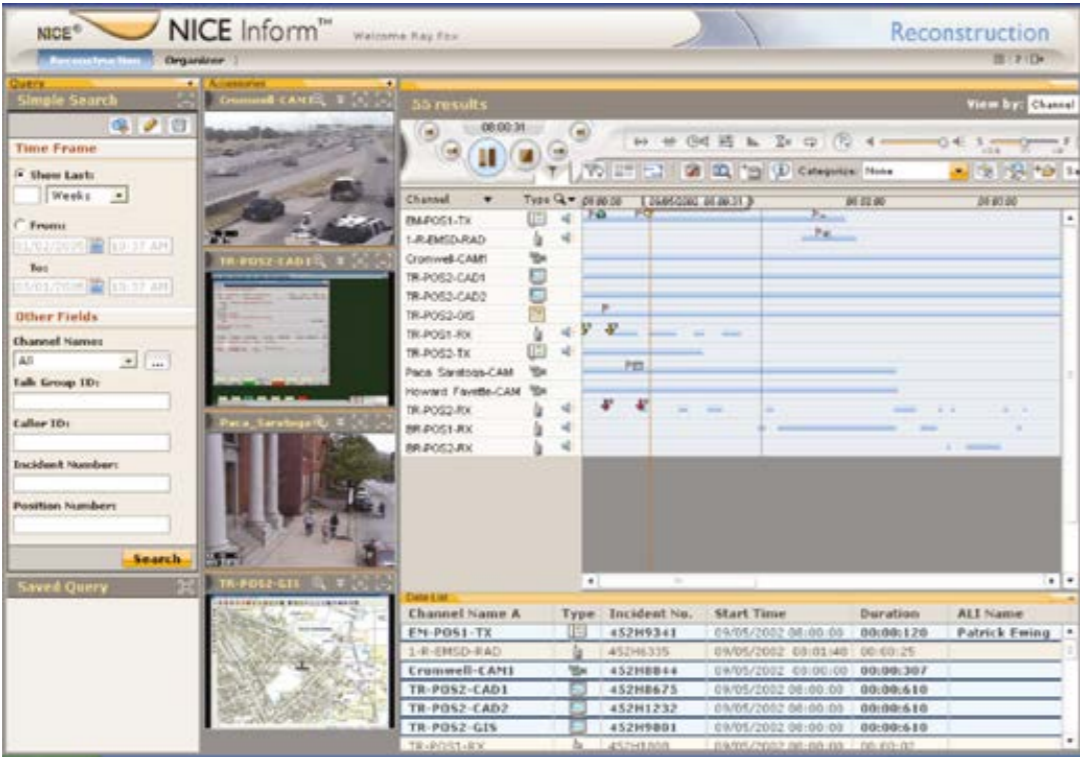
Asia, Europe, Latin America.

#### SUPPORTED LANGUAGES

English, French, German, Simplified Chinese, Spanish.

The MCC 7500 IP Logging Recorder and Archiving Interface Server provided by Motorola in partnership with Nice Systems offers a mission-critical IP-based digital logging solution for Dimetra System Release 6.x and 7.x and Dimetra IP Compact trunked radio systems. A fully integrated and certified IP radio recording and replay service for first responders and control centres.

Capturing vital information including radio ID, alias and talk group from every call is critical for fast, efficient incident response. Based on reliable IP technology, NICE trunked radio and incident information management systems process data quickly to help dispatchers take the most appropriate and immediate action.



TRUNKED RADIO AND INCIDENT INFORMATION MANAGEMENT



### SYSTEM REQUIREMENTS AND TYPES

- Supports Motorola MCC 7500 IP Consoles and Motorola Archiving Interface Server (AIS).
- Support for Dimetra IP and Dimetra IP Compact systems.

Radio Requirements of NICE Trunked Radio and General Audio Recording and Incident Information Management Solutions – all Motorola TETRA compliant radios.

### KEY BENEFITS

- **Certified for Dimetra.** Designed to work with the MCC 7500 Dispatch Console, this is the only fully integrated and certified IP radio recording and replay solution for Motorola Dimetra v6.x and v7.x radio systems.
- **Fully Digital.** Audio is recorded in its native vocoded format and stored in the exact form in which it was passed through the radio system. This eliminates any degradation for optimal audio quality.
- **Safe and Secure.** Secure capability to the dispatch console and archiving interface server provides true end to end encryption for the highest possible security.
- **Graphical Icon Display.** Tasks or events performed by the dispatcher such as emergency alarms, supergroup patches and changing tactical or normal selection on a talkgroup are presented as graphical icons in the NICE Inform™ application.
- **NICE Inform™ Incident Information Management.** Captures incident information such as audio (radio, telephony, VoIP, digital or analog), video, CAD or GIS that may be relevant for investigation, evaluation or training purposes.

### KEY FEATURES

- Monitors and verifies communications and interactions.
- Captures any source of information including telephony, radio, video, screen, radar and VoIP.
- Records and stores all multimedia inputs while appending relevant additional electronic content such as pictures, reports, texts and faxes in one place.
- Advanced search parameters for all multimedia inputs - reviewers and investigators can locate an incident and associated data with pinpoint accuracy, saving time and resources.
- Reconstructs a 360°real-time view and consolidates multimedia in a single view, exactly as it happened.
- Organises specific and relevant incident and event information by Incident Folder, allowing instant and secure web-based access for authorised users.
- Flexible, rapid and secure information sharing by DVD or email.
- NICE Inform™ Media Player encrypts, authenticates, reviews and replays incident information offline or by external officials.

Contact your local Motorola representative for further details

W: [motorolasolutions.com](http://motorolasolutions.com)

ALSO FROM PARTNER



# QUANTIFY RECORDING SUITE

## WHEN YOU NEED TO RECORD VOICE AND DATA COMMUNICATIONS, RELY ON QUANTIFY RECORDING SUITE

### QUANTIFY RECORDING SUITE

The flexibility of the Red Box Quantify voice, data and call recording solution puts you in the driving seat. From easy search and replay of recordings through to powerful event reconstruction and workforce optimisation, this comprehensive software suite offers smart capabilities for your needs.

#### MARKETS

Public Safety, Public Sector, Transportation.

#### GEOGRAPHICAL SCOPE

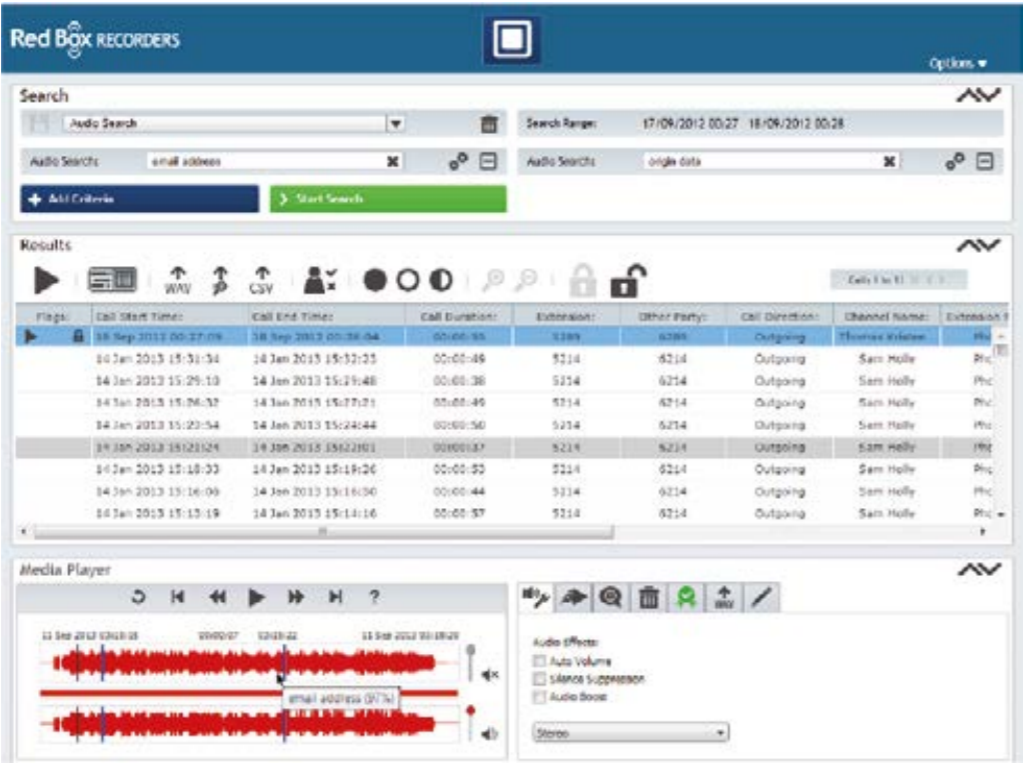
Asia, Europe, Latin America, North America.

#### SUPPORTED LANGUAGES

English, French, Portuguese, Spanish.

Red Box's Quantify Recording Suite is a flexible, scalable and easy to deploy solution that enables communications data from a mixture of telephony types to be captured, archived retrieved and analysed. It is fully compatible with Motorola's Dimetra IP system for hassle-free integration.

Reliable data and voice recording is vital for monitoring incidents and providing accurate reporting, for both legal and regulatory purposes. Using Quantify Recording Suite, communications can be captured and securely stored, regardless of the number of channels that need to be recorded.



### SYSTEM REQUIREMENTS AND TYPES

The Quantify Recording Suite for Dimetra is entirely IP-based and only requires IP connectivity to the Motorola AIS server. A list of all required Talkgroups and ISSIs to be recorded needs to be provided so that the recorder can register an interest in them with the AIS. The recorder should be licensed for Motorola recording.

Radio Requirements of the Red Box Quantify Digital Voice Recording Solution – applicable for all Motorola radios via the Archiving Interface Server (AIS).

Compatible with Dimetra IP Compact on System Release 7.0 and 8.0.

### KEY BENEFITS

- **Designed for Motorola AIS.** Integrates with Motorola AIS to allow recording of talkgroups and ISSIs. Along with the actual audio for the transmissions, the following information can be stored in the database as fully searchable data: Talkgroup, ISSI (Radio ID, Radio Alias), Start Time, End Time and Call Duration.
- **Visual Timeline.** Easily reconstruct events from multiple sources to form a visual timeline of events and place important communications in Quantify CallSafe so that they are exempt from a standard retention cycle.
- **Accurate Audio Search.** Using Phoenetic search, quickly and accurately mine large volumes of recorded voice content to retrieve communications for investigation and dispute resolution.

### KEY FEATURES

- Fully compliant with the Motorola Dimetra IP system.
- Records audio transmission, Talkgroup, ISSI (Radio ID, Radio Alias), Start Time, End Time and Call Duration.
- Full search and replay functions.
- Easy to setup and use with web-based interface – no specialist knowledge required.
- Efficient workflow for simple and effective use of time.
- Phonetic Search for quick and accurate audio retrieval.

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[www.redboxrecorders.com/quantify/applications](http://www.redboxrecorders.com/quantify/applications)

# TETRA VOICE LOGGER AND ARCHIVING SYSTEM

## RECORDING, ARCHIVING, SEARCHING AND REPLAYING YOUR IMPORTANT RADIO COMMUNICATIONS

### TETRA VOICE LOGGER

TETRA Seamless Voice Logger and Dispatcher System assists organizations to effectively manage their communications over TETRA wireless network. It is a seamless system that works independently from the TETRA network core. In other words, unlike other TETRA recording solutions, “TETRA Seamless Voice Logger and Dispatcher System” doesn’t need a physical connection to TETRA network core.

**MARKETS**  
Private Companies, Public Safety.

**GEOGRAPHICAL SCOPE**  
Europe, MEA.

**SUPPORTED LANGUAGES**  
Arabic and English.

Systel TETRA Voice Logger is a compact, reliable and entirely self-contained system for recording, archiving, searching and replaying radio communications. An effective way of logging and organising important information.

Recording and storing important radio communications for later use enhances your efficiency and helps you track events. Systel TETRA Voice Logger is the first remote recording system that can work without direct connection to the TETRA system core network. It’s a reliable way of safely storing radio communications for future needs.

Voice Recorder

Connected Radios

Radio 1 / Test 1

Radio 2 / TG2

Radio 3 / TG3

Radio 4 / TG4

Recent PTTs

Search Results

12/17/2013

10:40:03

104239

124505

Emergency

3/3/2013

13:59

00:00

104054

124505

Emergency

3/3/2013

10:50

00:03

104382

124505

Emergency

1/4/2013

14:01

00:01

104051

124505

Emergency

1/4/2013

12:39

00:05

104023

124505

Emergency

1/4/2013

12:39

00:02

104051

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124505

Emergency

12/31/2014

09:58

00:05

104054

124505

Emergency

12/31/2014

08:57

00:08

Radios

TalkGroups

104023

1/4/2013 12:39 PM

104027

10/20/2014 1:25 PM

104042

12/05/2013 1:13 PM

104080

12/01/2014 11:29 PM

104083

11/4/2013 12:39 PM

104021

11/4/2014 1:28 PM

104059

10/20/2014 10:50 AM

104069

11/15/2014 1:07 PM

104064

10/02/2014 2:44 PM

104030

10/20/2014 12:46 PM

104009

12/01/2014 12:30 PM

104036

11/20/2014 12:08 PM

104110

10/20/2014 1:03 PM

104042

11/01/2014 4:47 PM

104412

10/20/2014 4:40 PM

104019

11/4/2014 10:30 AM

104014

10/20/2014 1:50 PM

104034

12/01/2014 5:12 PM

104015

12/01/2014 8:56 AM

104039

10/01/2014 1:03 PM

104036

10/01/2014 10:02 PM

104040

12/01/2014 1:29 PM

104038

10/01/2014 1:40 PM

104016

11/01/2014 10:30 AM

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### SYSTEM REQUIREMENTS AND TYPES

Requires TETRA network coverage (for trunk mode). Compatible with Dimetra IP Scalable.

Field Radio Requirements of Systel TETRA Voice Logger – applicable for all Motorola TETRA radios.

Control Room Radio Requirements of Systel TETRA Voice Logger – applicable for Motorola MTM800E TETRA radio - dedicated for each talkgroup to be recorded.

### KEY BENEFITS

- **Fast and Easy Access.** Live monitor allows you to search and replay calls from the built-in search tool and audio player.
- **Simple Graphical User Interface and Navigation.** Your solution can be managed via three taps (Monitor, Aliases and Back up). Call replay buttons (play, next, previous, stop and continuous play) are also included.
- **Long Term Storage & Archiving.** Store up to 10,200 hours of 88 kbps clear audio onboard. Automatically archive calls at pre-set intervals to CD/DVD media. Optional Blu-Ray archiving provides ultra-high capacity storage.
- **Reliability.** Built-in events and alarms logger makes it easy to track your radio’s event history.
- **Easier to Manage.** Assign aliases for your radio ID’s and talkgroups then manage and search messages using those aliases.

### KEY FEATURES

- Stand alone system with no direct connection required to the Dimetra system.
- Efficient message recording and management with recording triggered by message activation - each message is saved in a separate (.wav) file which is playable on most operating systems and indexed with calling radio ID, talkgroup, message duration, message time and date.
- Powerful message filtering and search tools enable user to filter messages by talkgroup (single or range), talkgroup alias (if assigned), radio ID (single or range), radio alias (if assigned), message duration, message time and date.
- Recording is message activated so recording starts with the message setup signaling and stops with the message terminate signaling.
- Supports both Trunk and Direct modes.

FIND  
OUT  
MORE

WEB:  
[www.systel-telecom.com/web/index.php/seamless-voice-logger-dispatcher-system](http://www.systel-telecom.com/web/index.php/seamless-voice-logger-dispatcher-system)

ALSO FROM PARTNER



TETRA VOICE LOGGER AND ARCHIVING SYSTEM



# PSX

## REDEFINING SMARTPHONES FOR PUBLIC SAFETY

**PSX**  
Public Safety Experience (PSX) enhances devices running the Android making them more suitable for frontline public safety use. This adaptive interface, combined with powerful back-end services, automatically mirrors the activity of the user to intelligently present the right information at the right time.

**MARKETS**  
Public Safety/Security.

**GEOGRAPHICAL SCOPE**  
Africa, Asia Pacific, Europe, Middle East, North America.

**SUPPORTED LANGUAGES**  
English.

High-speed data is driving the communication landscape and penetrating every part of the world, bringing a wave of data and applications to your frontline officers. Motorola Solutions' Public Safety Experience (PSX) enhances devices running Android making them more suitable for frontline public safety use. This adaptive interface, combined with powerful back-end services, automatically mirrors the activity of the user to intelligently present the right information at the right time.

You need technology that adapts to you, your tasks and your various environments to ensure users are not overwhelmed, safety is not compromised and the maximum benefits of LTE can be realised. We've designed a software ecosystem that will better connect you to the information you need in the moments that matter.



### SYSTEM REQUIREMENTS AND TYPES

PSX runs on LEXL10 and other smartphone devices. Location of users, both radio and smartphone users, and talkgroup management are provided by UN5.0 in Dimetra IP Scaleable and IP Compact systems.

### KEY BENEFITS

- **On Patrol.** Your device shares your location and availability with your team so they know who to alert if someone needs backup. All of the potential threats and available resources that surround you are highlighted for maximum awareness.
- **Dispatched.** You receive key incident information, including location, suspects and involved vehicles. You're guided with optimal directions and made aware of critical updates on your way to the scene.
- **On Scene.** Customised work flow procedures are queued on your screen so you know exactly what to do. Information such as date, time and location automatically populates to speed up the process and ensure accuracy.
- **Emergency.** Your emergency status gives you the highest priority. In real-time, you will see who is responding to your emergency, where they are coming from and when they will get there so you can make informed decisions while you're waiting.

### KEY FEATURES

- An intuitive interface that puts safety above everything else by adapting to users, tasks and environments, focusing only on what's needed.
- PSX presents information clearly and concisely, improving efficiency and eliminating error.
- Create a home panel that always intelligently presents prioritised information based on the user's context.
- Choose applications that appear on the activity panel, as it slides in automatically during focused events.
- Provide shortcuts for the most frequently accessed applications to appear in the overlay panel, which can be pulled down from any screen.
- Design the experience to present the content you need - nothing more, nothing less.

Contact your local Motorola representative for further details  
W: [motorolasolutions.com](http://motorolasolutions.com)

FIND  
OUT  
MORE

**WEB:**  
[www.motorolasolutions.com/en\\_us/products/psx.html](http://www.motorolasolutions.com/en_us/products/psx.html)

**BROCHURE:**  
[www.motorolasolutions.com/content/dam/msi/docs/business/products/software\\_and\\_applications/public\\_safety\\_experience/\\_static\\_files/public\\_safety\\_experience\\_at-a-glance\\_brochure.pdf](http://www.motorolasolutions.com/content/dam/msi/docs/business/products/software_and_applications/public_safety_experience/_static_files/public_safety_experience_at-a-glance_brochure.pdf)

**VIDEO:**  
[http://video.motorolasolutions.com/video.aspx/id/4242933297001?\\_ga=1.252948553.1539311987.1441981050](http://video.motorolasolutions.com/video.aspx/id/4242933297001?_ga=1.252948553.1539311987.1441981050)

ALSO FROM PARTNER



PSX



# ZENICOPTER

## EASY-TO-USE INTEROPERABLE COMMUNICATIONS PLATFORM FOR HELICOPTER PILOTS

**ZENICOPTER**  
Communication between air and ground personnel is vital in emergency situations. By integrating TETRA technology with helicopter's intercom system, ZeniCopter ensures efficient communication through its touch screen display and helmet-installed headsets and microphones.

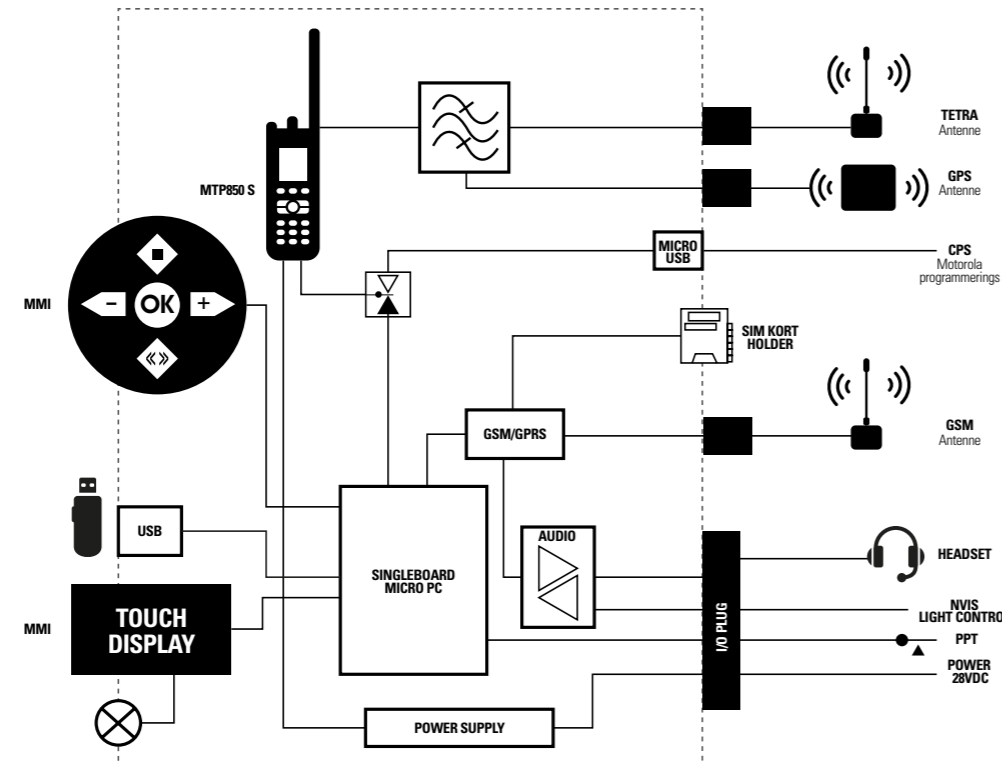
**MARKETS**  
Military, Police, Rescue.

**GEOGRAPHICAL SCOPE**  
Worldwide.

**SUPPORTED LANGUAGES**  
English.

ZeniCopter is an easy-to-use interoperable communications platform for helicopter pilots integrating TETRA and telephony calls.

Communication between air and ground personnel is vital in emergency situations. By integrating TETRA technology with the helicopter's intercom system, ZeniCopter ensures efficient communication through its touch screen display and helmet-installed headsets and microphones.



ZENICOPTER



### SYSTEM REQUIREMENTS AND TYPES

Supported on Dimetra IP Scalable, Dimetra IP Compact and Dimetra IP Micro.

### KEY BENEFITS

- **Versatile Connection.** Offers robust protection against night goggle interference, vibrations and g-forces.
- **Easy to Use.** Multiple communications are integrated, using the MTP850S for TETRA communications for group call, individual call or short-data messages; and the HC25 GSM module for telephony calls.
- **Flexible Design.** ZeniCopter is fitted in standard DIN-based spacing generally used in helicopter dashboards and therefore making it suitable for a range of applications.

### KEY FEATURES

- Motorola MTP850S radio.
- A custom designed ZeniCopter PCB-board.
- HM20 micro PC board running Windows CE.
- HC25 GSM module.
- The User Interface consists of the primary MMI and a touch screen display.
- Separate GPRS antenna input.
- Built-in GSM telephone.
- NCIS compatible display and MMI for night vision use.
- Standard helicopter plug-in module size.

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**FIND OUT MORE**

WEB: [www.zenitel.com](http://www.zenitel.com)

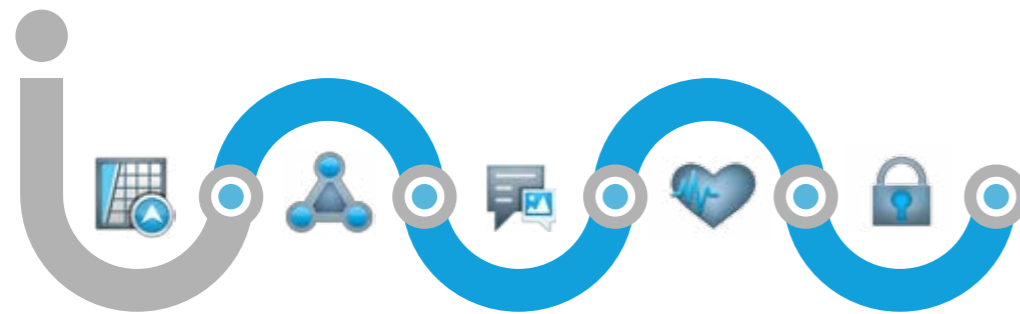
**ALSO FROM PARTNER**



# INTELLIGENT MIDDLEWARE

Motorola played a major part in defining the public safety experience with Land Mobile Radio - all the way from ensuring seamless communications through to intuitive user interfaces for users on the frontline. Now we're doing it again with smartphones. Our Intelligent Middleware is a powerful set of services that boosts your apps with new features whilst ensuring seamless communications between radios and smartphones.

*The power of public safety is now in the hands of all users.*



## LOCATION AND MAPPING

An officer is not responding to an incident. Now you can see exactly where that officer is, regardless of whether he's using a radio or smartphone, and get another officer close by to investigate. Responding officers can also view the map on their smartphone and see the location of the incident and their colleagues, quickly plotting a route to help. Location and Mapping displays users on screens of any size, control room or smartphone, giving one overview to everyone.



## GROUP MANAGEMENT

The incident escalates. You need to bring officers together and quickly plan an effective response. With Group Management, you can create ad-hoc groups including smartphones and radios, then communicate using Push To Talk or text messaging. If you need to send video such as a CCTV clip, create a group composed only of officers with broadband devices. Create geofenced groups easily by selecting officers on the map, either in despatch or on your smartphone.



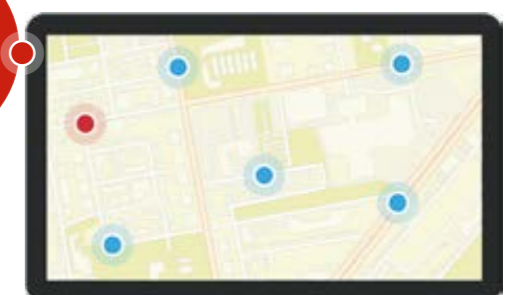
## MESSAGING

Arriving at the scene of a multiple car crash, an officer finds a whole street blocked by vehicles. She texts colleagues to advise them to approach the incident from another direction. Intelligent Messaging allows her to send this text to an individual as well as an existing or newly created talkgroup, no matter what device or system they are using. Now everyone can respond faster and more effectively.



## CONTEXT

Investigating a break-in, an officer unclips and draws his weapon. Sensors on his holster, together with a heart rate monitor registering increasingly intense activity, makes command immediately aware that an incident has escalated. The time saved, possibly minutes, can be critical in ensuring the safety of the officer. You can monitor developments as they happen and direct other officers to provide assistance if necessary.



## SECURITY

Wherever officers go, you can be sure their communications will not be compromised. Using a mobile virtual private network, all data from any device is encrypted and sent through one secure IP tunnel to one secure IP address. Multiple applications are authenticated with a single sign on, saving time and ensuring only the right users gain access. Officers can now avoid the risk of an application dropping as they move between networks.



# MOTOROLA DIMETRA APPLICATION PARTNER PROGRAMME

## WE ENCOURAGE PARTNERS TO DEVELOP SOLUTIONS FOR USE ON THE DIMETRA SYSTEMS

The dynamic TETRA market continues to go from strength to strength. It spans the globe with customers ranging from nationwide public safety systems to multi site commercial networks and includes diverse vertical markets from Public Safety, and Government bodies, to transportation, oil and gas and many others.

As the market leader for TETRA, Motorola Solutions wants to ensure our customers have access to the widest possible set of solutions and we are looking to work with experts to develop a wide range of applications for use on Dimetra systems.

We offer many benefits to our application partners including technical documentation and support, and access to test labs. In working with Motorola, the world's largest TETRA supplier, you ensure your application is available to the largest installed base possible.

Through the Partner Programme you can bring to market specialised applications operating on Dimetra, leveraging fully Motorola's installed base of operational TETRA systems and the industry's largest fleet of radio subscribers.

## WHY JOIN?

Through our programme we will share with you a commitment to provide the most effective applications possible to the market.

To achieve this goal we offer you:

- Ability and permission to use Motorola Solutions' APIs to develop products and applications for Dimetra IP
- Technical support on the licensed API by the application partner support team. Initial 10 hours included in the license fee, additional support available upon request

- Use of Application Partner logos to allow you to quote your status as an accredited Application Partner
- Access to reference system at Motorola Solutions lab
- Eligibility for joint marketing initiatives and Motorola Solutions sales Partnerships for end solutions

### TETRA APPLICATION PARTNER ACCREDITATION

Additionally, we provide our TETRA Application Partners the option to promote your status as a certified TETRA Application Partner. Our logos and official certificates of accreditation enable you to leverage the Motorola Solutions brand in your marketing programmes.



### LAB SUPPORT AND EVALUATION

Motorola recognises that most customers have highly specialised requirements for customised applications. This is a reason why most of our partners seek the confidence and market benefit brought by gaining Motorola's 'Tested Solution' status.

Our laboratories provide you the opportunity to test your applications in a safe and secure closed environment. Under the guidance of our lab specialists,



you will prove your application against a series of tests, verifying the functionality on a Motorola reference system and ensuring trouble free installation at your customers site.

Once your solutions have been tested we grant you an exclusive Dimetra System Test Certificate, which confirms to your customers that your application has been verified against a fully functional Dimetra IP system.

### DIMETRA APPLICATIONS CATALOGUE

In some situations there is an opportunity for you to get involved in joint marketing and sales partnerships with us. In these cases we would provide you a chance to utilise our marketing tools in order to successfully launch your applications to the marketplace. Our powerful marketing tool, the Dimetra Applications Catalogue, has proven to be our customers' preferred source for finding and learning about TETRA applications. Inclusion in it enables you to showcase your solutions and to highlight the value of your applications to TETRA resellers, distributors and end users.



For more information on our Dimetra application programme, please visit us on the web at  
[www.motorolasolutions.com/en\\_xu/products/dimetra-tetra/applications.html](http://www.motorolasolutions.com/en_xu/products/dimetra-tetra/applications.html)



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DIMETRA\_APPLICATION\_CATALOGUE\_UK\_(09/15)