GLOBAL PROVIDER OF COMPLEX SOLUTIONS BASED ON ADVANCED PROFESSIONAL COMMUNICATIONS TECHNOLOGIES

COMRAD

ABOUT THE COMPANY

ALAIT

WHO WE ARE?

Alait Limited is a global provider of the complex solutions based on advanced professional communications technologies. With voice, video and data capabilities, we provide faster, safer, and more versatile connectivity for business and mission critical users. We enable our customers to achieve more in both daily operations and emergency response to make the world more efficient and safer.

OUR MISSION

Develop and provide new advanced technological solutions which make business and mission critical communications safer, faster, more reliable, easier for use and available everywhere for everybody.

OUR VISION

Become a global provider of advanced professional communications technologies and solutions.

THE TEAM

We have experience in professional communications, but always look forward to offering our customers the most innovative, yet proven to be safe and effective, solutions. The ability to offer new functionality, to manage a bigger number of devices, to manage the working groups in any manner needed, and to set mission-critical communication the way our customers need is what we are working for.

ABOUT COMRAD

Alait offers COMRAD communication solutions with a high level of reliability which can fit Business Critical or Mission Critical Communications levels depending on the customer needs.

The term Mission Critical refers to meeting the needs of agencies providing public safety services such as police, fire brigades and ambulance services. Those needs include high reachability, availability and reliability of the service, low latency, real-time operating capabilities, highly secured operations, private and group communications, handling of emergencies and ability to provide prioritization.

COMRAD Solutions by Alait can be developed using different capacity System Servers. COMRAD CORE, COMRAD ENTERPRISE and COMRAD TASK solutions are based on Software with flexible licensing, where the customer can order only the licenses for functions and capacity which they need and purchase additional licenses in case of system expansion. These Alait Solutions features make it very scalable when the customer can start use advanced technology solution with small number of users and expend it in case of grows from 50 – 100 users to 10000-20000.

THE SOLUTIONS

ALAIT

- ★ **COMRAD Team**
- ★ **COMRAD Core**
- ★ **COMRAD Tactic**
- ★ **COMRAD Enterprise**
- ★ **COMRAD Task**

COMRAD

ABOUT COMRAD

COMRAD TEAM
Push-to-Talk Professional communication with client connectivity over 3G / LTE and Wi-Fi networks.
Supports up to 300 subscribers.

COMRAD CORE
A scalable complex solution that provides you with a complete PTT system.
Supports up to 10,000 subscribers.

COMRAD TACTIC
An operational communications system based on LTE (p-LTE) technology for tactical applications that require fast deployment scenarios.

COMRAD ENTERPRISE
An operational communications system based on LTE (p-LTE) technology for tactical applications that require fast deployment scenarios.

COMRAD TASK
Technological Task Management digital platform, universal tool for individual and team work to manage the tasks and control different operations and technical processes on the industrial enterprise.

ABOUT COMRAD

With voice, video and data capabilities, we provide faster, safer, and more versatile connectivity for business and mission critical users. We enable our customers to achieve more in both daily operations and emergency response to make the world more efficient and safer.

The key focus on:

- ADVANCED TECHNOLOGY
- RELIABILITY
- AVAILABILITY
- COMPATIBILITY
- SCALABILITY
- FLEXIBILITY
- SECURITY

THE SYSTEM COMPONENTS

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CLIENT TERMINALS

COMRAD Client App for portable mobile devices

POSITIONING & TRACKING

Provides outdoor navigation and indoor positioning

COMRAD SERVER

ADMINISTRATOR CONSOLE

System Configuration, Users, rights and access control

INTERFACES

Linking with other IT Solutions

RECORDER

Events log and Communications recording and backup

DISPATCHER CONTROL CENTER

Command and Control Center with 24/7 Console

GATEWAYS

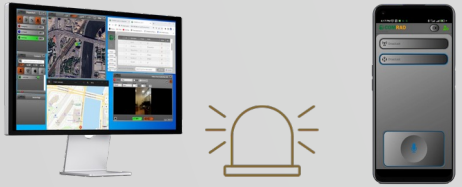
Connect COMRAD System with existing PMR & Telephone Networks

COMRAD

ALL TYPES OF PTT CALLS

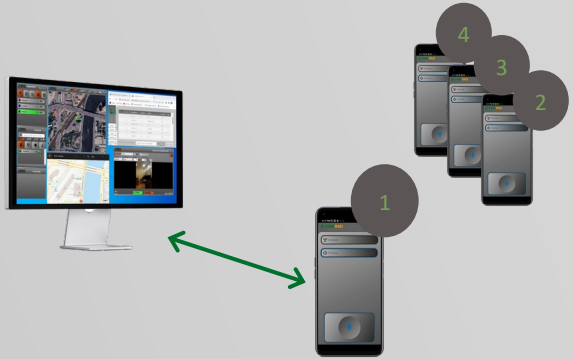
GROUP CALLS

INDIVIDUAL CALLS

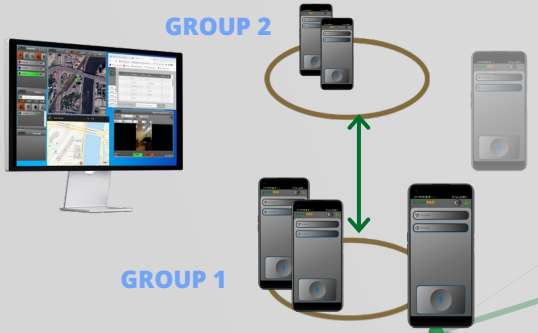


EMERGENCY CALLS

BROADCASTING



PRIORITY CALLS



DYNAMIC GROUP FORMATION

COMRAD

POSITIONING AND TRACKING

GPS / GLONASS / BEIDOU

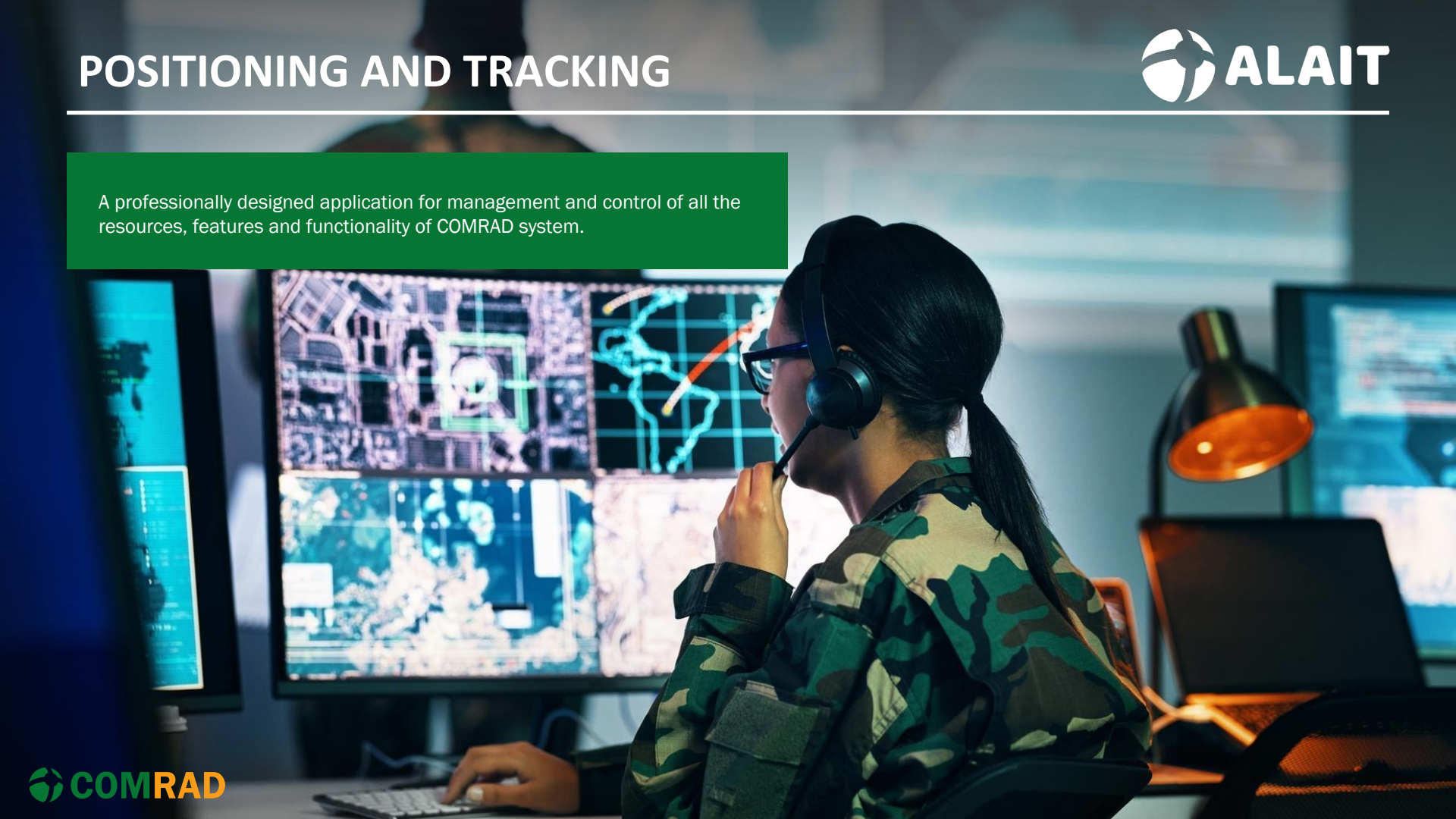
INDOOR POSITIONING

ZONE LOCATION

POSITIONING AND TRACKING

ALAIT

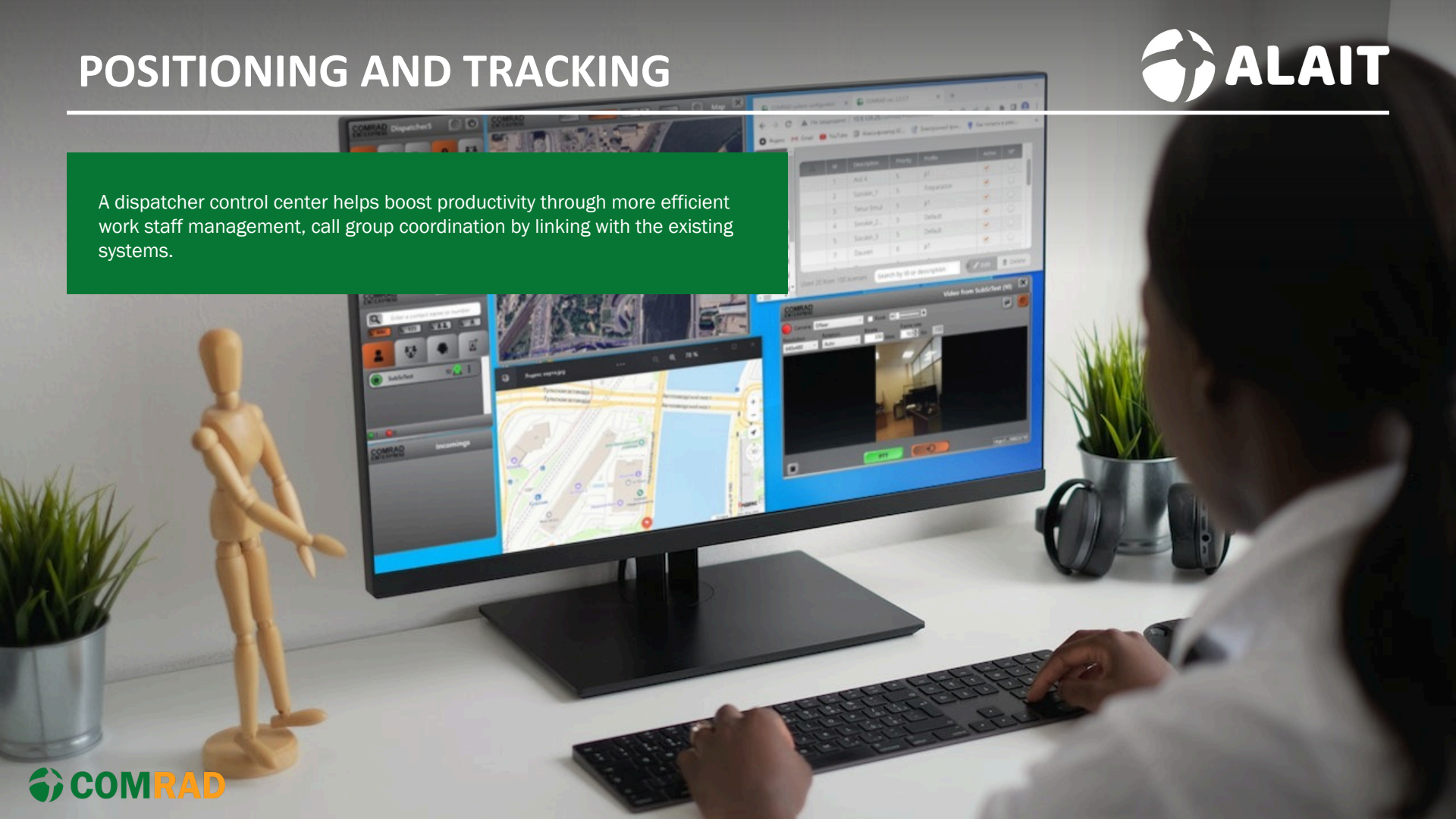
A professionally designed application for management and control of all the resources, features and functionality of COMRAD system.



COMRAD

POSITIONING AND TRACKING

A dispatcher control center helps boost productivity through more efficient work staff management, call group coordination by linking with the existing systems.



POSITIONING AND TRACKING

ALAIT

- Outdoor location and real-time tracking helps operate and manage staff and clients in efficient and secure way.

- **COMRAD** operates by requesting the client terminal's current location or by sending a start tracking command.

- System supports nearly all positioning systems i.e. GPS, GLONASS, GALILEO, BEIDOU.

- Indoor positioning system accurately indicates the location of users inside buildings and underground structures.

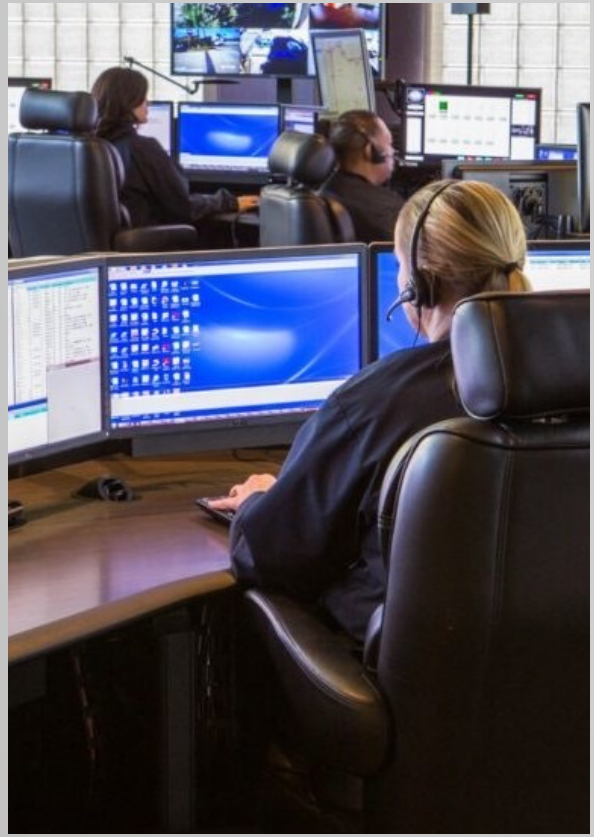
COMRAD

RECORDER

- **COMRAD** Events log and Communications recording is a reliable software solution for secure recording and playback of voice and data transmission.
- It helps companies to correspond to the highest standards of efficiency and security.

COMRAD

ADMINISTRATOR CONSOLE

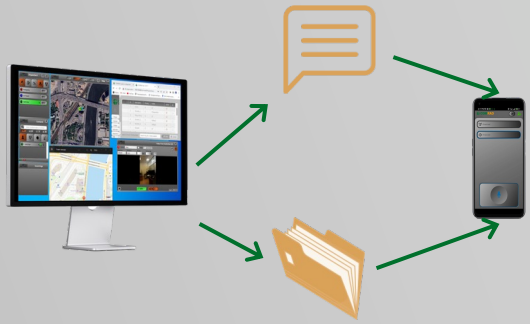


- IS A PROFESSIONALLY DESIGNED APPLICATION FOR MANAGEMENT AND CONTROL OF ALL THE RESOURCES, FEATURES AND FUNCTIONALITY OF COMRAD SYSTEM.
- IT'S A POWERFUL TOOL TO MANAGE YOUR INFRASTRUCTURE INCLUDING CREATION, MANAGEMENT AND BACKUP OF USERS, TEAMS, GROUPS, SITES, SERVERS AND NETWORKS.
- FOR SECURITY REASON ADMIN CAN MANAGE WITH HIS SPECIFIED COMRAD SERVER AND NETWORK USING DEDICATED INTERFACE.
- TWO-LEVEL USER VERIFICATION ELIMINATES THE POSSIBILITY OF UNAUTHORIZED CONNECTION.
- NEW USERS AND GROUPS SET UP IS SEAMLESS AND EASY AND CAN BE DONE WITH THE PRE-SET TEMPLATES.
- PROFESSIONAL BACKUP GUARANTIES COMPANY'S SAFETY AND SECURITY AVOIDING ANY HASSLE IN EVERYDAY WORK.

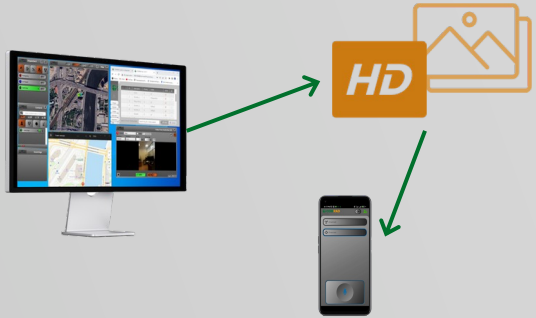
DISPATCHER CONTROL CENTRE

- **COMRAD** dispatching software enables organization to carry out administrative tasks, manage day-to-day operations and coordinate emergency situations much more effectively.
- A dispatcher control helps boost productivity through more efficient work staff management, call group coordination and by linking with the existing systems such as PMR networks.
- Dispatcher can manage “mixed” groups consisted from **COMRAD** and PMR users (in case connection with PMR system through Radio Gateway).
- Dispatchers and network operators use GPS location services to remotely monitor **COMRAD** users and assets in real time and locate their presence using map displays.
- Dispatcher ensures prompt response to emergency situations and deployment of best suited solutions

DATA AND TEXT



FILE & TEXT MESSAGES



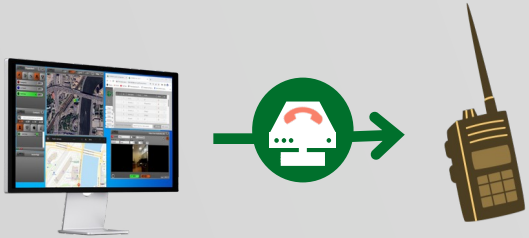
HI-RES IMAGES

HD LIVE STREAM

SEQURITY AND BACK UP

FAST AND STABLE PROTOCOL

EVENT RECORDING & CALLS



PMR GATEWAY / SIP TO PSTN

SAFETY AND SECURITY

Another important issue of any corporate communication system is to make it safe and secure. Alait offers the customers a choice of deployment options: on premises or private cloud for Servers installation to guarantee 100% system control by the customer. On top of that there are special exchange protocol, subscriber authentication, access control functions and other features are used in Alait solutions to achieve highest level of security.

GATEWAYS

PMR gateway is a hassle free and cost effective professional Hardware solution that gives you a link between your existing company's radio PMR communication and next generation **COMRAD** Push-to-Talk Over Cellular platform.

SIP to PSTN software gateway is a seamlessly connect **COMRAD** to any telephone network

TERMINALS

- COMRAD system supports nearly all modern smartphones and tablets under Android or iOS.
- Specially designed rugged terminals (for use within dusty, wet or environmentally challenging areas) give the companies the freedom of operation with the highest level of security and reliability.
- PTT communication and different IT applications on one subscriber device.

COMRAD SYSTEM APPLICATIONS

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- The use of the COMRAD solution will give your company a competitive advantage by helping improve the quality and efficiency of staff management, and lowering the costs.
- The COMRAD system could be applied in so many different areas:

Utilities

Industry

Transport & Logistics

Hospitality & Tourism

Security & Event Management

Courier services

Engineering & Construction

COMRAD TEAM : BENEFITS & ADVANTAGES

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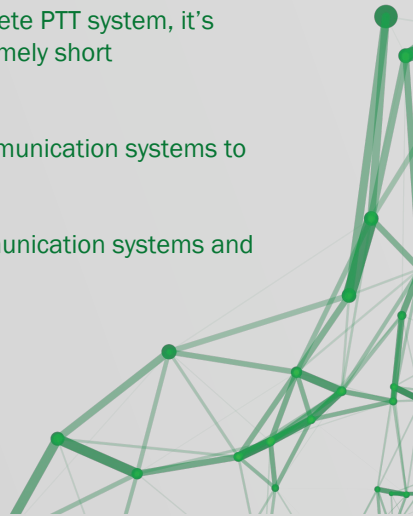
THE BENEFITS

- Subscribers connection through Operator 3G/LTE or Private pLTE networks and/or through Wi-Fi.
- Off-the-Shelf Server preconfigured for fast installation and switching on.
- Reliable Server hardware.
- High connection speed due to the use of PTT (Push-To-Talk) technology, as well as the use of modern codecs and special exchange protocol.
- Cost control (OPEX and CAPEX).
- A wide selection of subscriber terminals and accessories.
- Special functions to protect against not authorized connections and access.
- No special permits or licenses are required (such as for PMR system use).
- Possible Integration with other IT solutions.

THE KEY ADVANTAGES

- COMRAD TEAM provides a complete solution to manage the corporate structure easily and effectively.
- Individual, group and emergency PTT calls, video calls and video from subscriber terminal by dispatcher request, data transmission and text messages, events and calls recording and backup, outdoor/indoor positioning and tracking.
- COMRAD TEAM provides a complete PTT system, it's easy to set up and requires extremely short implementation time.
- Migration from existed PMR communication systems to modern technology.
- Easy integration with other communication systems and IT solutions.
- Fast and simple installation.
- Low costs.



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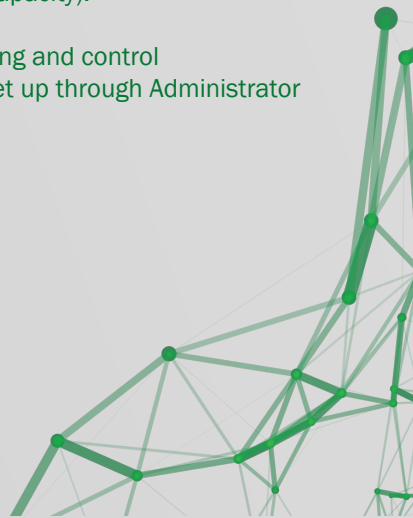
COMRAD TEAM : SERVER

COMRAD TEAM servers are specially designed and tested communication equipment that could be installed as a standalone on premises component of the PTT network for the remote division or implemented as a center of the new company communication network. COMRAD TEAM being taken out of the box is ready to work and could be setup in minimal time New servers installation is seamless and easy.

COMRAD TEAM : FUNCTIONALITY

FEATURES & FUNCTIONALITY

- All type of voice calls (individual, group, emergency, broadcast, priority) and video calls.
- Text messages.
- High resolution photos/videos and files transmission.
- Dispatch Workstation functions:
  - Subscribers, Groups and calls control and management.
  - Subscriber indoor and outdoor positioning and tracking on the digital map.
  - Geofencing functions.
  - Dynamic grouping.
  - Video from subscriber by Dispatcher request.
- All calls and other events recoding on the Recording Server.
- Integration with PMR or Telephone networks (through Gateways) and with other IT Solutions.
- COMRAD TEAM Servers predefined configuration (up to 300 or 500 subscribers connection capacity).
- COMDAR TEAM System configuring and control (subscribers, groups, priorities set up through Administrator Console.



COMRAD CERTIFICATES

UNITED ARAB EMIRATES
MINISTRY OF ECONOMY

الإمارات العربية المتحدة
وزارة الاقتصاد

Certificate Password: 7068

كلمة مرور الشهادة: 7068

Intellectual Works Rights Registration

تسجيل حقوق المصنفات الفكرية

The Ministry of Economy states that the work subject of this certificate was registered with the Department of Trademarks and Intellectual property on 06-03-2024 according to the copy registered with the Department.

تفيد وزارة الاقتصاد بأن المصنف موضوع هذه الشهادة قد تم تسجيله بإدارة حق المؤلف والحقوق المجاورة بتاريخ 06-03-2024 وذلك وفقا للنسخة المسجلة لدى الإدارة.

Certificate Information			بيانات الشهادة
Certificate number:	468-2024	468-2024	رقم الشهادة :
Certificate Date:	06-03-2024	06-03-2024	تاريخ الشهادة:
Property name:	COMRAD Professional Server	كومراد للخوادم الخادم	اسم المصنف:
Right type:	Financial	مالي	نوع الحقوق :
Property type:	computer programs	برامج حاسب آلي	نوع المصنف :
Author name:	- Timur Kospanov Nationality (Kazakhstan)	- تيمور كوسبانوف وجنسيته (كازاخستان)	اسم المؤلف :
Property's Copyright Holder Name :	Alait Limited	ألايت ليمتد	اسم صاحب حقوق المصنف :
Behavior Date From :	05-01-2024	05-01-2024	مدة التصرف من :
to :	According to the period of legal protection	حسب مدة الحماية القانونية	إلى :

Copyright and Related Rights Department

إدارة حق المؤلف والحقوق المجاورة

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UNITED ARAB EMIRATES
MINISTRY OF ECONOMY

الإمارات العربية المتحدة
وزارة الاقتصاد

Certificate Password: 8474

كلمة مرور الشهادة: 8474

Intellectual Works Rights Registration

تسجيل حقوق المصنفات الفكرية

The Ministry of Economy states that the work subject of this certificate was registered with the Department of Trademarks and Intellectual property on 14-03-2024 according to the copy registered with the Department.

تفيد وزارة الاقتصاد بأن المصنف موضوع هذه الشهادة قد تم تسجيله بإدارة حق المؤلف والحقوق المجاورة بتاريخ 14-03-2024 وذلك وفقا للنسخة المسجلة لدى الإدارة.

Certificate Information			بيانات الشهادة
Certificate number:	529-2024	529-2024	رقم الشهادة :
Certificate Date:	14-03-2024	14-03-2024	تاريخ الشهادة:
Property name:	COMRAD Subscriber	كومراد المشترك	اسم المصنف:
Right type:	Financial	مالي	نوع الحقوق :
Property type:	computer programs	برامج حاسب آلي	نوع المصنف :
Author name:	- Timur Kospanov Nationality (Kazakhstan)	- تيمور كوسبانوف وجنسيته (كازاخستان)	اسم المؤلف :
Property's Copyright Holder Name :	Alait Limited	ألايت ليمتد	اسم صاحب حقوق المصنف :
Behavior Date From :	08-01-2024	08-01-2024	مدة التصرف من :
to :	According to the period of legal protection	حسب مدة الحماية القانونية	إلى :

Copyright and Related Rights Department

إدارة حق المؤلف والحقوق المجاورة

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TDRA | هيئة تنظيم الاتصالات والحكومة الرقمية
TELECOMMUNICATIONS AND DIGITAL GOVERNMENT REGULATORY AUTHORITY

شهادة تسجيل
Registration Certificate

استنادا الى احكام المرسوم بقانون اتحادي رقم ٣ لسنة ٢٠٠٣ في شأن تنظيم قطاع الاتصالات واللائحة التنفيذية وتعديلاتها، قامت هيئة تنظيم الاتصالات والحكومة الرقمية بتسجيل

Based on the Federal Law by Decree No. 3 of 2003 - Regarding Organization of the Telecommunication Sector and its Executive Order and their amendments The Telecommunication and Digital Regulatory Authority (TDRA) registers.

ألايت ليمتد
Alait Limited

Certificate Number : DA16732/23 رقم الشهادة :

وذلك وفقا للشروط واللوائح والسياسات والأنظمة المطبقة لدى هيئة تنظيم الاتصالات والحكومة الرقمية
According to the terms, conditions, policies and regulation of the TDRA for the period-

Authorized Dealer location : Office 126, Level 1, Incubator Building, Masdar City, Abu Dhabi, United Arab Emirates, Incubator Building, Abu Dhabi — الموقع الجغرافي للمنفذ المرخص :

Date of Issue : 19-May-2023 — 19-May-2023 : تاريخ الإصدار

COMRAD

THANK YOU!

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COMRAD