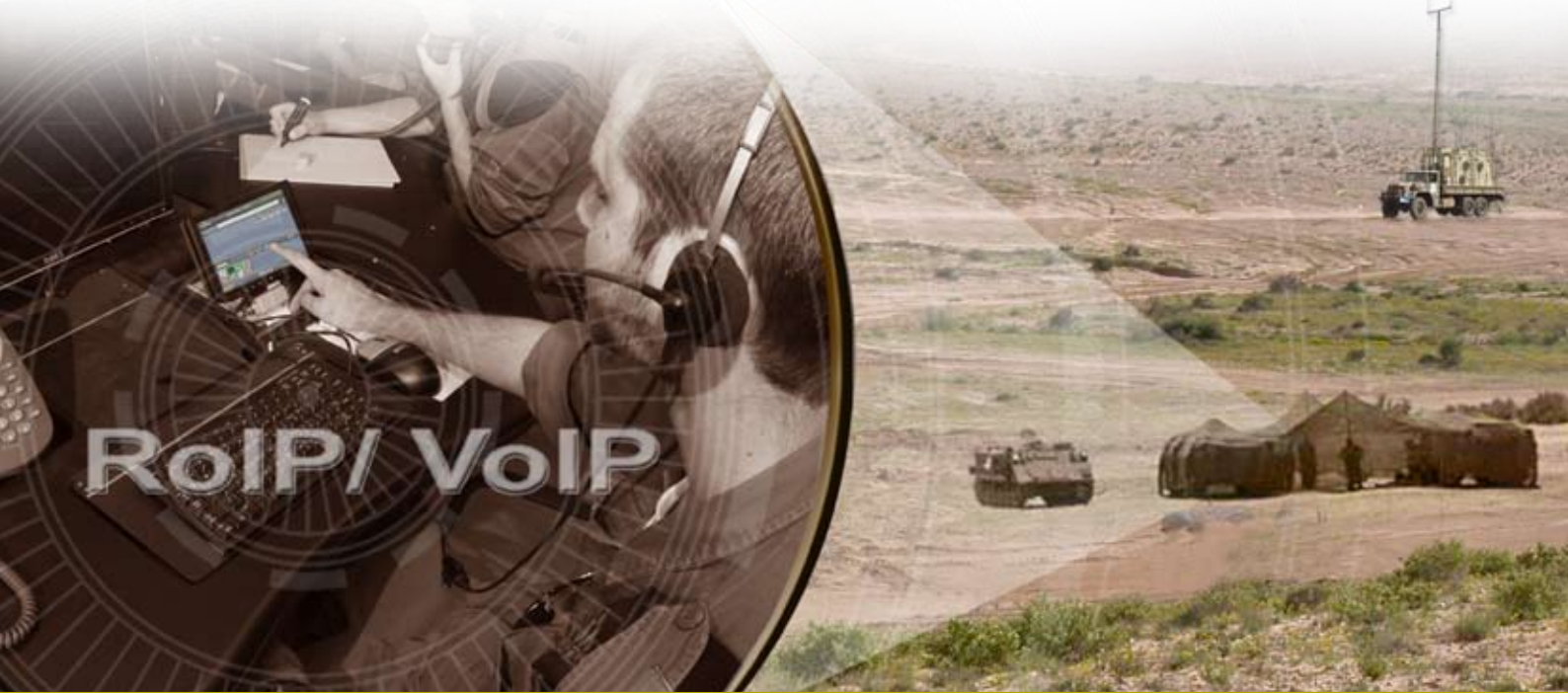


C⁴I-Connect™

Voice Communication System for Ground Forces



Connect your forces with over IP

Benefits

- Field proven
- Seamless convergence
- User/officer mobility
- Reliable voice over narrow band wireless links
- High scalability—thousands of simultaneous users
- Fully secured solution

The C⁴I-Connect is a voice communication system (VCS) designed for the specific needs of battlefield command and control (C&C). The C⁴I-Connect is high-scale, divisional/regional system which manages all voice sessions in the tactical battle area. The C⁴I-Connect leverages the most advanced industry standard technologies such as IP, VoIP, and RoIP to offer a powerful solution for the army. Distinctive enhancements include:

Seamless Interoperability

The system integrates various types of legacy radios into a single system with wide access over IP. The C⁴I-Connect provides the user seamless access to any HF, VHF, UHF, SatCom radios and to any legacy telephony system.

User/Officer Mobility

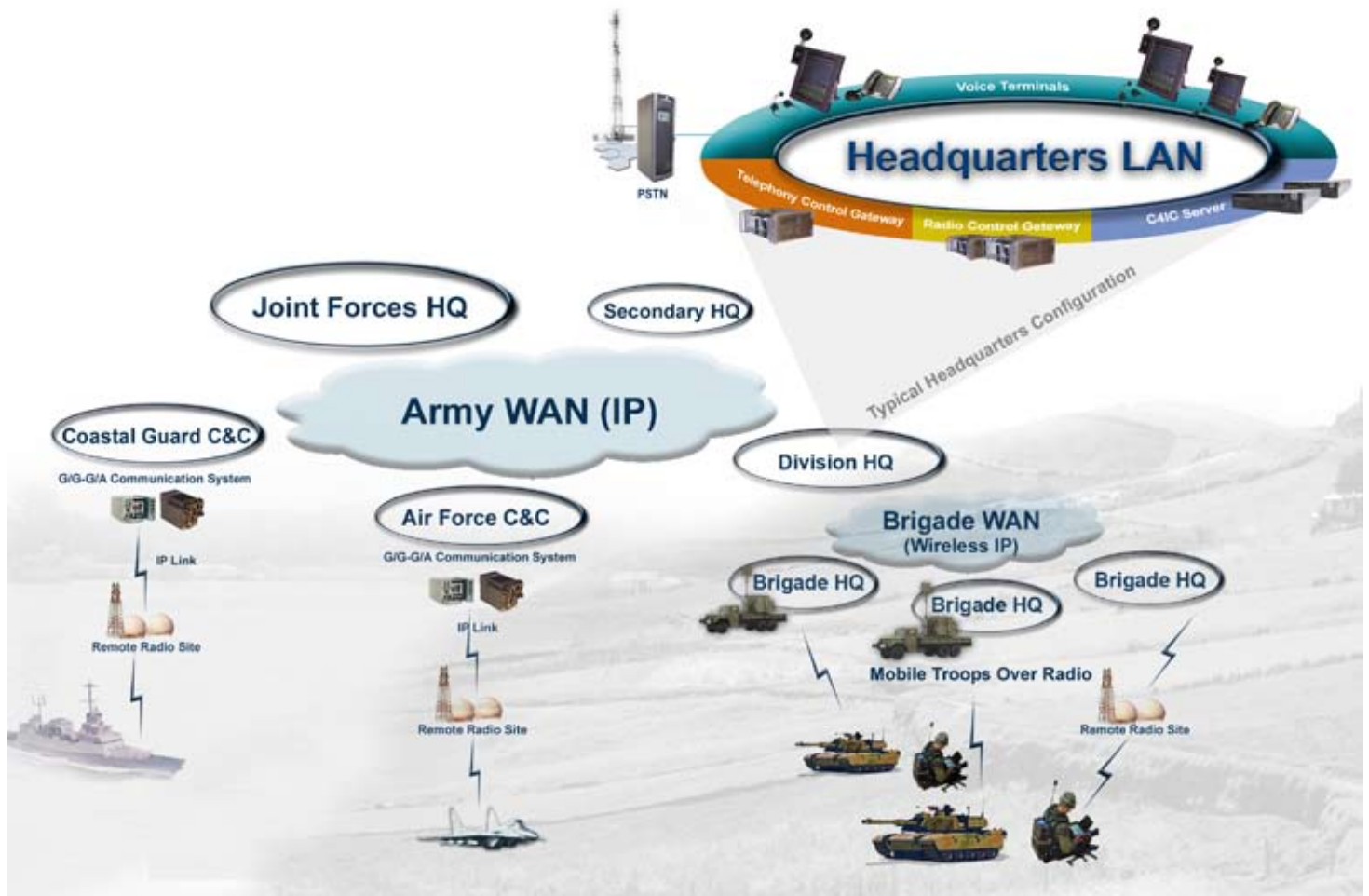
A user/officer can be located anywhere in the country and still be able to participate in a mission taking place elsewhere. The C⁴I-Connect recognizes and authenticates the user. Following

successful identification, the user automatically receives his communication profile, including all required radio conferences, to the user's current location.

Communication Planning and Fulfillment Software

Unique software completely automates the signal officer's work. The officer has only to fill out an operation template. The system allocates all required communication resources for these missions. At operation due time, the system sets up all relevant equipment according to operation requirements.

The C⁴I-Connect's enhanced capabilities not only minimize the signal officer's cycle time for new missions or mission changes, but they also optimize the air force's use of communication equipment.



Key Features

Built in IP-PBX capabilities

The system includes a standard telephony SIP soft-switch that supports advanced telephony features such as call transfer, caller-ID, and call waiting indication.

Conference Bridge

Military communication applications are characterized by a need for extended voice broadcast and conference capabilities. The C⁴I Connect's answer is a powerful embedded conference bridge with capabilities to run an unlimited number of broadcast or conference calls, each with up to 40 participants.

Smart Voice Terminals

Users access the system by a variety of voice terminals and IP-phones. Each terminal is characterized by form factor, environmental conditions and HMI. From the terminal, users

can access any communication device in the system—radio channel, telephony extension or VoIP broadcast/conference call. The radio channels, broadcast sessions and conference calls are PTT-based. Users can access/hear several voice sessions simultaneously.

Secured Voice Communication within Military Standards

All voice sessions are protected and only authorized users are given security keys allowing them to participate in a session. Stringent terminal and user authentication is employed.

Digital Recording System

The C⁴I Connect built-in recording system records all voice, data and video sessions over the tactical network. An easy-to-use debriefing application allows synchronized playback of past missions/events.

Technological Advantages

- Distributed VoIP architecture
- End-to-end delay optimization
- Fast, auto-provision of mobile headquarters
- Optimized for narrow band, wireless IP links

60 Years of Innovative Solutions

RAFAEL 
ADVANCED DEFENSE SYSTEMS LTD.

Missiles and NCW Division

Tel: (972)4-990-8503 Fax: (972)4-990-6257

E-mail: missile_mkt@rafael.co.il

HQ Tel: (972)4-879-4714 Fax: (972)4-879-4657

E-mail: intl-mkt@rafael.co.il www.rafael.co.il