

CELLECTIVE Family

Intelligence and EW Family of Solutions for Cellular Communications

WiT™ - Wise Intelligence Technology

A Comprehensive Intelligence Solution for Military, National Security, Law Enforcement and Intelligence Organizations

WiT provides advanced tools to support every stage of the Intelligence process - including planning and direction, collection, processing, analysis and evaluation, dissemination and re-evaluation. The system processes and analyzes vast amounts of data from a wide variety of acquisition sources (e.g., cellular, tactical radio, cyber, WEBINT). Field-proven, fully operational and easily customized, WiT is an end-to-end solution that delivers: the reception, adaptation and conversion of intelligence data from multiple collection sources; intelligence data processing; assistance for intelligence personnel in the analysis and evaluation of information; and real-time dissemination of intelligence to intended recipients only.

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- Designed for Law Enforcement, Strategic Facilities Protection, Military, Homeland Security and Intelligence Units
- Support for 2G, 3G & 4G Technologies
- Configurable SDR Boards for Every Frequency
- Cutting-Edge Localization Process, including Integrated Tactical DF Capabilities
- Integratable Across All Platforms - Handheld, Man-Pack, Vehicle-Mounted, Stationary and Airborne
- Invisible and Undetectable Operation to Users and Service Providers
- Integratable with Elbit Systems' Intelligence, Command and Control, DF and Jamming Systems

Overview

In response to the rapidly escalating threat posed by the use of cellular communications during terrorist and criminal activity, Elbit Systems EW and SIGINT- Elisra has developed a family of advanced solutions, delivering a variety of cutting-edge capabilities, including: effective scanning of areas of interest; interception of target devices; monitoring, locating and identifying potential threats; mapping targets and creating a complete situational picture; and selective jamming and manipulation of cellular communications.

Designed for elite forces in military, law enforcement, and intelligence units, the sophisticated systems support a range of tactical operations - including the location and disruption of terrorist activities, access control for strategic facilities, assistance in hostage situations, neutralizing IEDs, enhancing Search & Rescue missions, detection and disruption of illegal drug activities and other activities. Seamlessly integrated into the intelligence network as an important layer, the systems assist with tactical decision-making by providing additional target information in real time.

Flexible, Scalable, Compatible, and Integratable

Easily tailored to specific customer or scenario requirements, the modular systems can function as standalone, become part of a complete EW and SIGINT solution, or be integrated as an information source into an end-to-end Intelligence system.

All cellular communication components are connected to a network and managed by a command and control unit that covers the entire arena. Providing both passive and active capabilities, the systems offer a number of air and ground configurations - handheld, man-pack, trolley, vehicle-mounted, airborne (UAS or helicopter) and fixed installation.

The solutions support GSM (2G), UMTS (3G) and LTE (4G) technologies, and are fully compatible with all phone and network providers and frequencies worldwide. Ruggedized and easy-to-operate, they meet all military standards (MIL-STD) and can be specially designed for use in covert activities.

Passive Capabilities

Building a Cellular Communications Target Map
Designed for special operations requiring short or long-term stealth mode, the systems are undetectable by commercial network providers and mobile subscribers. They map network towers, detect and display suspicious activities on a target map and help build up a comprehensive situational picture. Lightweight and energy-efficient, they can be hand-carried, vehicle-mounted or distributed and managed by a remote command and control unit.

Active Capabilities

Interception, Manipulation and Location-Finding
Intercepting and monitoring GSM, UMTS and LTE devices, these systems can selectively jam and manipulate calls & SMS messages in real time, as well as extracting identities and determining target locations, without being detected by mobile subscribers or network providers.