



Ground-Based COMINT and Communications Jamming Solution ELK-7072 & ELK-7012



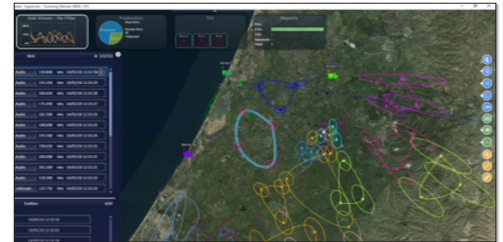
Ground-Based COMINT and Communications Jamming Solution

INTRODUCTION

The Ground-Based COMINT (ELK-7072) and Communications Jamming (COMJAM) (ELK-7012) Solution is an integrated suite of combat-proven and advanced COMINT sensors and high-power directional communications jammers managed by a unified Command and Control (C²) system.

The solution monitors the spectrum - from HF up to V/U/SHF - and detects, intercepts and geolocates communications emitters, covering thousands of networks simultaneously. It automatically identifies and classifies communications networks, building a comprehensive intelligence picture and Electronic Order of Battle (EOB), and converting it into actionable intelligence such as adversary troop locations, communications networks and critical communication channels and their significance. AI capabilities provide language and speaker identification and speech-to-text conversion, even in noisy environments.

The unified HMI enables seamless transition from detecting communications emitters to jamming them with high-power directional beams that employ advanced techniques, thereby denying the adversary's ability to communicate effectively. The C² also comprises mission planning software, for planning COMINT and COMJAM missions beforehand, and optimizing them in real time. Installed on vehicles and in fixed locations, the suite's systems are designed to optimize space and facilitate easy maintenance, while sharing common resources such as power, computing processes and communications.



C2 Analysis



KEY ADVANTAGES

- Wide frequency range: H/V/U/SHF (1.5 – 6000MHz).
- High capacity: capable of detecting, intercepting and geolocating thousands of communications emitters simultaneously.
- Embedded voice communications AI analysis.
- High-power, directional jamming, including agile signals.
- C2 generates EOB, and produces reports for post-analysis and debriefing. Also supports a training mode.
- Systems are combat-proven, operating in countries worldwide.

Integrated COMINT/COMJAM System Flow

