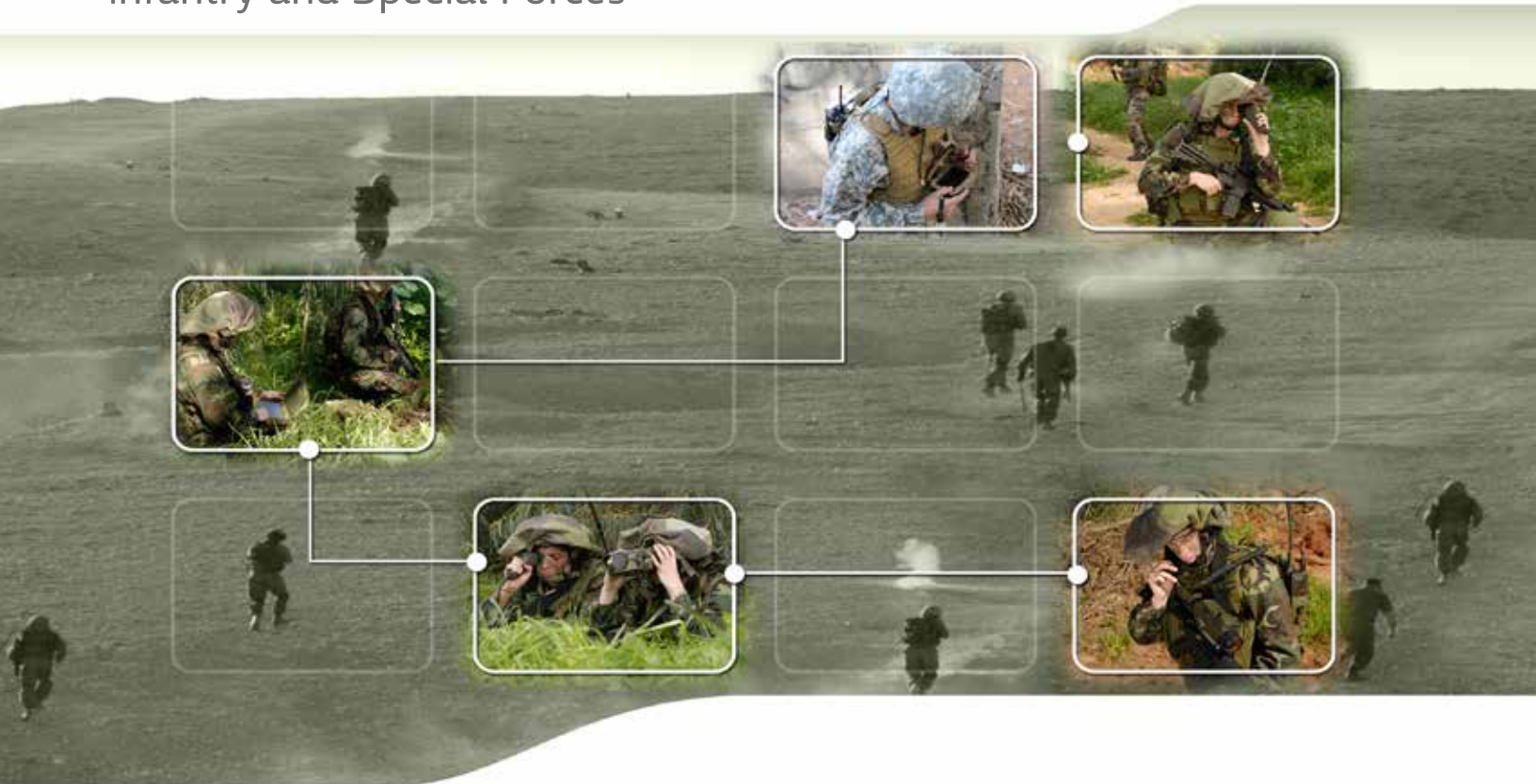


DOMINATOR™

Family of compact, lightweight, all-in-one C² solutions for dismounted infantry and Special Forces



Asymmetric warfare, low-intensity conflicts and special operations have redefined the modern battlefield for the dismounted soldier and Special Forces. Complex urban and underground terrain, the threat of friendly fire, and the brief lifespan of targets all require a superior level of situational awareness.

In order to achieve a clear and accurate understanding of the battle space, all systems and units must have continuous connectivity. Enhanced command and control (C²) processes promote improved real-time decision making, minimizing the time from event to reaction. The appropriate use of selected information by the various echelons – along with the proper coordination – significantly improves the lethality, survivability and maneuverability of the fighting force.

The DOMINATOR suite of solutions – Basic, Light and Commander – are integrated infantry combat systems that enable full situational awareness across all military echelons. Based on hardware components and C⁴I applications developed by Elbit Systems, DOMINATOR[®] dramatically shortens the sensor-to-shooter loop with unprecedented speed, enhancing the combat effectiveness of the dismounted soldier. Elbit Systems was selected by Israel's Ministry of Defense as the prime contractor for the Israel Defense Forces' (IDF) Integrated Infantry Combat System (IICS) project.

DOMINATOR provides infantry units with a net-centric integrated information solution enabling them to:

- View real-time common operational pictures (COP) on personal displays
- Send and receive live target and mission data
- Transmit images and positions back to their command post
- Effectively close the sensor-to-shooter loop
- Manage all phases of combat including planning and debriefing

DOMINATOR[®] Components

The DOMINATOR solutions comprise sophisticated elements, including advanced C² applications, personal network radios (PNR), tactical computers, tracking devices, planning displays and eyepieces.

Command and Control

The TORCH[®] cross platform C² application provides real-time situation awareness with automatic dissemination of geography and location based on hierarchy. TORCH[®] Enhanced C² capabilities for all members of the platoon; including blue force tracking, enemy (red) tracking, mission planning, navigation, terrain analysis, 3D visualisation. The system can be integrated with multiple communications networks, including the TORC²H[®] battle management system (BMS). This BMS facilitates in-depth collaborative mission planning and management based on real-time information, and an always-updated COP.

Eyepiece

The eyepiece provides the soldier with instant access to C⁴I applications including high-resolution images and video. The lightweight eyepiece is highly effective both indoors and outdoors and in all weather conditions.

PNR-1000

A compact and lightweight Personal Network Radio (PNR) that integrates high-quality intra-team voice communications with a C² application computing unit. The radio's advanced features include dynamic network architecture, priority mode communications, interconnectivity to long-range radio networks and unprecedented operational range.



RAPTOR

A compact, rugged, smart phone like, all-in-one wearable computing unit that offers the dismounted soldier complete situational awareness through net-centric integrated information systems. Designed also for standalone offline work using the C² application while detached from the ISS-ES



Personal Digital Unit (PDU)

A ruggedized tactical computer specially designed for the dismounted soldier and commanders. Compact and energy efficient, the PDU delivers powerful data processing and storage capabilities, including embedded GPS and interfaces to all of the peripheral elements.



Planning Display

The sun-readable, lightweight 8" display enables the viewing of C² maps and battle plans in even the harshest sunlight. The display includes a glare resistant LCD and anti-reflective coating.



Beacon

The Beacon is a light-weight, low-power, small factor soldier worn device, integrated with a complete network service layer, with the sole purpose of serving as a blue force tracking device.



DOMINATOR Family

Configuration		DOMINATOR Components
Beacon	Individual soldier	Beacon
Basic	Individual soldier	Tadiran PNR-1000 and headset
Light	Individual soldier and Team/Squad Commander	Tadiran PNR-1000 and headset, Eyepiece or Raptor
Commander	Platoon, Company Commanders and Up	Tadiran PNR-1000, PDU, Planning Display

Force Multipliers

Fully integrated with the DOMINATOR family of solutions, Elbit Systems also offers a broad array of systems that enhance the lethality, survivability and maneuverability of the fighting force.

MCTR-7200HH – Handheld Software-Defined Radio

This multi-waveform tactical IP radio, and full mobile tactical network in all terrains and scenarios. The MCTR-7200 HH features a uniquely designed software communications architecture, an intuitive user interface and multiple configuration options. The multi-waveform tactical IP radio contains powerful programmable hardware that offers reliable triple play services voice, video and data simultaneously over a single narrowband tactical 25Hz channel, and high speed data over wideband channels, providing a significant operational edge on the battlefield.



Skylark® I-LE

The battle-proven Skylark®, adopted by the IDF ground forces, is a mini UAV system intended for self-support reconnaissance missions. Effective in all weather conditions, the Skylark® I-LE has demonstrated excellent reconnaissance, target identification and surveillance capabilities.



CORAL-CR

A lightweight 3-5 μm thermal imaging binocular camera, effective as a night sight for target acquisition systems, ground laser designators and weapon systems. Fully integrated with DOMINATOR, the CORAL-CR enables the operator to view the C² application and automatically transmit target acquisition information. CORAL includes advanced features such as a compass, GPS and laser rangefinders.



Fighting Load Vest

A modular adaptable fighting vest designed to carry all system components.

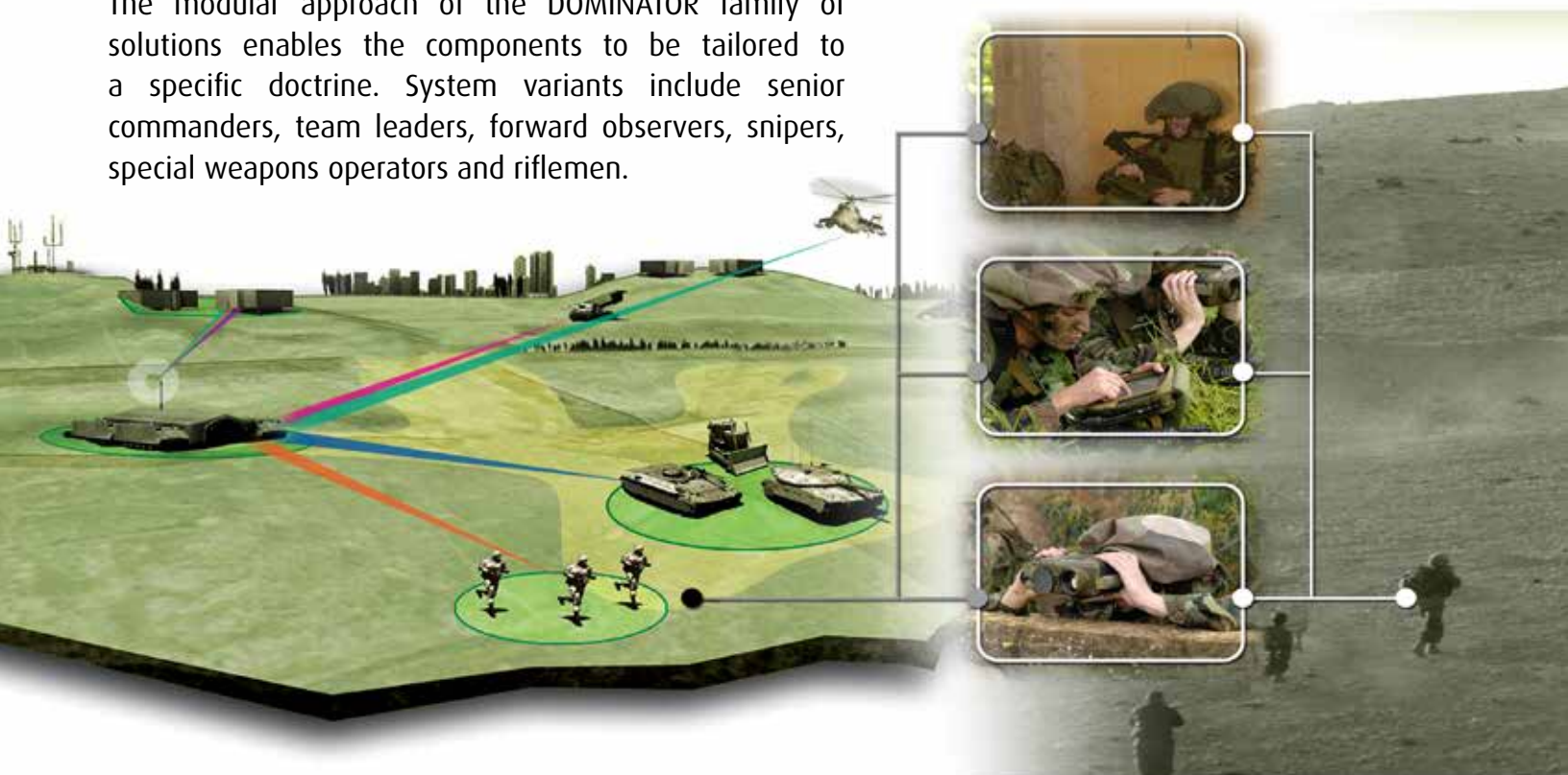


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Customizable Solution

The modular approach of the DOMINATOR family of solutions enables the components to be tailored to a specific doctrine. System variants include senior commanders, team leaders, forward observers, snipers, special weapons operators and riflemen.



The DOMINATOR suite is an integral part of Elbit Systems' Digital Army Program (DAP), connecting land, sea and air forces into a fully integrated C⁴ISR solution.



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