

All-in-One C⁴ISR System for collaborative operations

Key Features

- Covers all battlefield domains and disciplines
- Provides situational awareness, operations planning, and battle management
- Supports all military operations, structure and methods
- Offers full sensor connectivity
- Powerful data synchronization overcomes network limitations
- Includes autonomous sites with no single point-of-failure
- Preserves data availability - sites mutually back each other up
- Maintains continuity of operations – Distributed system architecture, functionality available from any cell/site in the network



TORC²H™

All-in-One C⁴ISR System for collaborative operations



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To meet the challenges of net-centric warfare (NCW) and reap the benefits of true battlespace digitization, military organizations require field-proven C⁴ISR solutions that support the full spectrum of military operations

Elbit Systems' TORC²H is an automated, sensor-integrated C⁴ISR solution for combat and border security. The cross-platform solution provides real-time data with automatic dissemination of geography and location based on hierarchy.

C⁴ISR for the Real World

TORC²H optimizes operational activities by providing common situational awareness, e-mail, command dissemination and decision support tools for all units, including headquarters, commanders, sensor operators, border patrols and platform-mounted and dismounted teams. TORC²H is an essential tool for closing the sensor-to-shooter loop, optimizing data collection and enhancing border patrol operation. In addition, the system facilitates offline operational debriefing.

Modular, scalable and upgradable, TORC²H is based on an open architecture, seamlessly integrating with existing systems, communications infrastructure and sensors. The system was selected by the Israel Defense Forces (IDF) for combat and border protection C² and is currently deployed and operational in the IDF units and along Israel's borders.

Cross-platform situational awareness - TORC²H's all-in-one approach uniquely strengthens all command echelons - from company to battalion and brigade levels, as well as everything in-between. TORC²H offers true universal situational awareness by supporting all battlespace disciplines, including Intelligence, Operations, Fire Support and other Combat Support (CS) elements, Logistics and other Combat Service Support (CSS) elements.

Fully Deployed in the IDF

Flexible digital C⁴ISR suite - Built on high-end computerized hardware components and advanced software and communications devices, TORC²H can either be integrated with existing systems or function as a standalone solution. Offering optimized data collection and dissemination, faster sensor-to-shooter response time and a uniform collaborative operational picture, TORC²H enables more rapid and qualitative decision making.

Meets tactical requirements - TORC²H's complete and integrated operative-level C⁴ISR system has been built from the ground up to meet the needs of the military. The TORC²H system enables in-depth collaborative mission planning and management based on near real-time information, and an always-updated common operational picture (COP).

Command and Control in action Unique TORC²H Advantages

All-in-one C²

Single system for all military echelons

Fully field-proven

Large-scale operational deployment in the IDF and others

Built for real-world military organizations

Integrates with existing systems, communications infrastructure, and sensors

