

EDGE



TORCH-X™ FIRES

COMPREHENSIVE, FULLY DIGITALIZED INDIRECT
FIRE C⁵ISR SOLUTION





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Elbit Systems' Torch-X Fires is an integrated, advanced command and control and offensive support solution. The comprehensive system features strategic and operational capabilities to address the challenges of offensive support procedures from target acquisition, through mission management and monitoring, to effective execution of required effect for Multi-Domain Networked Operations.

Elbit Systems has decades of experience and a proven track record in the design, development, and deployment of comprehensive, large-scale and complex indirect fire C⁵ISR solutions.

A large, bright orange and yellow explosion or missile impact in a desert landscape. The explosion is the central focus, with a long, thin, orange and black streak trailing upwards from the main burst. The background is a vast, flat, sandy desert under a clear blue sky. The foreground shows dark, rocky terrain. The overall scene is dynamic and powerful.

SOLUTION OVERVIEW

Torch-X Fires is multi-layer, integrated solution that incorporates industry-standard mature technology, based on Elbit Systems' C⁵ISR service platform. The solution is designed as an open architecture 'evergreen' ecosystem that can accommodate third party applications and provide the development environment for future growth and requirements. Torch-X Fires enables highly effective cross-force coordination, quick and precise planning and execution with effective sensor-to-shooter capabilities, as well as simulation and training capabilities for mission planning, rehearsal and execution of offensive procedures. The solution integrates kinetic and non-kinetic effectors. The solution enables synergistic operation of multiple effectors.





Enhanced operational effectiveness and safety at all levels of command and deployment

Torch-X Fires is a complete C⁵ISR solution for indirect fire, integrating advanced technologies to accurately deliver lethal fire power while assuring force safety. Torch-X Fires integrates sophisticated C⁵ISR applications, tactical computer hardware, fire control systems, advanced radio communication across digital networks, and a wide range of sensors.

C⁵ISR service platform - Open architecture infrastructure

Torch-X Fires offers an advanced communication infrastructure and deployment solutions, to establish a multi-layered modular and scalable system. The open architecture infrastructure enables customer integration into the development process, for independent changes and additions. The modular solution is based on customizable building blocks and uses industry standards.

Advanced C⁵ISR application

Featuring a simple, intuitive, and configurable web user interface, the application enables multi-interface control and connectivity with external applications, sensors and devices to generate a common real-time, reliable, and accurate situation picture. It is suitable for installation on command posts, dismounted and mounted fire enablers, and various assault weapons.

Sophisticated mapping capabilities

Provides advanced mapping, GIS and imagery capabilities. The system displays various map formats in various scales, tightly coupled geographical data with advanced ballistic and safety calculations.

Multiple interface connectivity and control

Full integration with multiple systems, with the ability to manage target acquisition sensors, fire control systems, manned-unmanned teaming, and additional devices while facilitating all operational data under one user interface in near-real time.

Scalable and modular

Designed for future growth capacity. Agile and scalable, the solution easily interfaces with new or legacy systems.







KEY FEATURES

Common C² and battle management capabilities

Mapping and imagery services

Live, multi-source video streaming for target acquisition and BDA

Fire support: Target management, fire planning and execution

Fire management: Mission processing, fire solution and firing data calculation

Improved safety procedures

Unit and unit resource management

KEY BENEFITS

Rapid target engagement

Improved accuracy

Superior situational awareness

Full coordination with maneuvering forces

Cooperating C⁵I capabilities with offensive support procedures for the Multi Domain operation environment