

# Target Acquisition Solutions

Precision. Alignment. Engagement.



**Elbit Systems™**

Security & Tactical EO Solutions – ELSEC



## When Precision is a Requirement

### The Challenge:

In combat situations, the success of a mission lies heavily on the ability to locate and validate the target, and align the entire fighting force accordingly - from fire support through to the battlefield soldier. In these situations, precision is key.

### The Solution:

With an in-depth understanding of the various target acquisition and accurate north finding tasks, ELSEC has developed an advanced Target Acquisition product range, designed for the entire fighting force - from the Forward-Observers and Forward-Air-Controllers to accurate gun laying. These solutions support reconnaissance and target intelligence missions, close air support, special operations, urban warfare and perimeter surveillance.

ELSEC's close cooperation with customers and end-users worldwide, allows the company to direct R&D efforts towards optimizing its products in accordance with true operational needs. Recent developments of this nature have brought forth ELSEC's CAT-1 target acquisition capabilities, providing 3D coordinate extraction from multiple sources. This semi-automatic cross validation of field data with aerial imagery provides exceptional accuracy, and enables minimal collateral damage.

These state-of-the-art products lean on the legacy knowledge of AZIMUTH, a world-renowned company and leader in its field, which successfully merged





## Flagship Products:

With thousands of units deployed worldwide, this field-proven product line is among the most accurate in its category. In addition to outstanding performance, these products are compact and lightweight, and can be vehicle mounted or carried. Products can be tailored to any operational need, and integrated with any BMS or C'I.

### ATLAS Target Acquisition for Forward Observers



- Over 5,000 units deployed worldwide
- Day/night operational capabilities
- Immediate coordinate output, minimizes sensor-to-shooter time
- Deviation correction, ARE and MPI adjustment and correction

### ATLAS Gun Laying System



- Improves existing gun laying performance
- Various artillery platforms supported (guns, mortars and rockets)
- Internal memory stores up to 8 gun positions

### ATRIS Portable Remote-Control Observation and Target Acquisition



- Day/night operational capabilities
- Next-generation, remote-control multi-touch mission computer
- Computerized map-based mission planning through a simple UI
- Programmable scans of predefined locations
- Semi-automatic cross validation of field data with aerial imagery
- CAT-1 (< 6m) accuracy

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## Security & Tactical EO Solutions – ELSEC

At the forefront of electro-optics, ELSEC - a part of the ELBIT Systems Ltd. Group and a subsidiary of ELOP - specializes in advanced security & surveillance solutions and tactical & laser systems. Capitalizing on its close cooperation with military, para-military and security forces around the world, and with vast technological and operational experience, ELSEC has always been able to understand and respond to the operational needs and challenges of its clients.

The successful merger with world renowned companies, ITL Optronics Ltd. and AZIMUTH Technologies, has broadened ELSEC's comprehensive in-house strategic infrastructure, and its ability to manage vertical integration with military and HLS standards. This allows ELSEC to translate operational needs into technologies and products, and bring them together to provide a complete and comprehensive solution.



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