EarthSolver
Mission-Ready 3D Coordinates

EarthSolver is an automated, scalable system that generates accurate CAT-1 3D targeting coordinates from multi-domain sensor data.

By streamlining the full lifecycle from image geo-registration to coordinate extraction, EarthSolver empowers users with independent CAT-1 precision capabilities—without requiring geospatial expertise.

The Components

Multi-Source Image Registration
EarthSolver integrates imagery and metadata from various platforms—satellite, UAV, airborne, or ground sensors into a coherent geo spatial Infrastructure.

High-Resolution Grid Anchoring
Satellite images are rapidly processed, geo-anchored, and aligned to mission-specific grid references.

Aiming Points Selection
Operators visually match field data with imagery through an intuitive interface, enabling quick and accurate target selection.

3D Coordinate Extraction
EarthSolver generates CAT-1 grade 3D coordinates with full visual context. These coordinates are immediately compatible with a wide range of munitions and targeting systems.

Traditional coordinate extraction is slow, error-prone, and reliant on expert personnel—making it unfit for today's high-speed, large-scale operations.

EarthSolver Advantage

Rapid Setup - enables quick operational readiness, even in disconnected environments.

Repository Management - builds a secure, accessible database of verified aiming points for recurring operations.
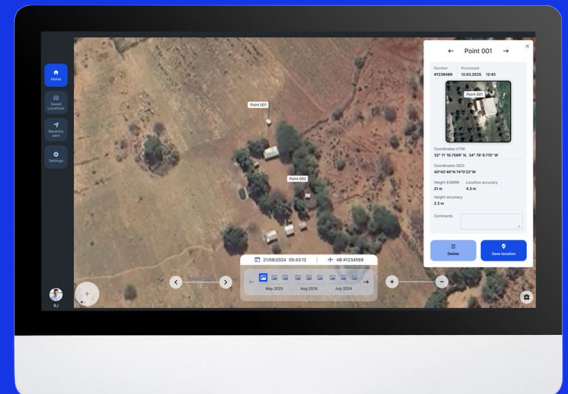
Platform Compatibility - Aiming points are compatible with autonomous weapon systems, military C2 systems and mobile platforms.

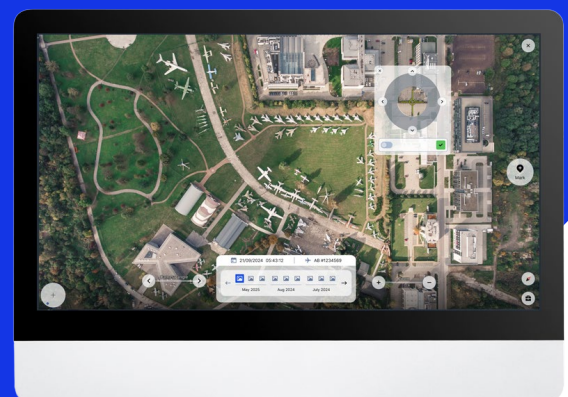**Flexible Licensing and Training Models -** customized to fit your operational needs.

Scalable - enabling fast and easy extraction of large volumes of aiming points to support high-tempo or large-scale operations.

Proven and Trusted

➤ Over a Decade of Operational Deployment

➤ Trusted by Tier-1 Armed Forces and Defense Manufacturers

➤ CAT-1 Accuracy

➤ Battle-tested in the world's most challenging environments

Coordinate Extraction & Full Visualization

Choosing the Targets

TSG

EXPANDING YOUR ADVANTAGE