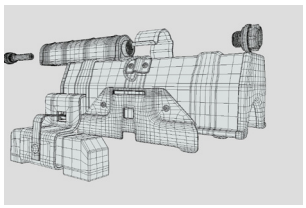
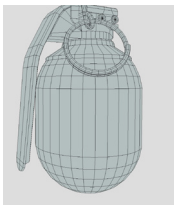
THE SCAN TRUCK

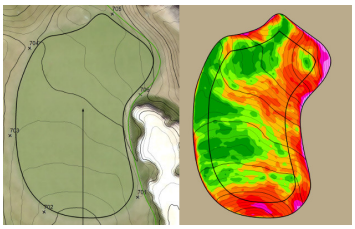
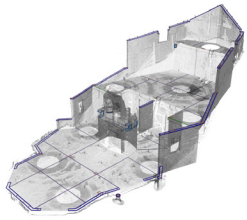
PURPOSE BUILT 3D DATA FOR DEFENSE APPLICATIONS. MOBILE. SCALABLE. MISSION-READY.

The Scan Truck delivers bespoke 3D scan data engineered for defense mission requirements. In partnership with Trident Solutions we have an active Army EOD SBIR Phase II (W5170125CA142) focused on ordnance identification and AI training workflows, and documented experience scanning military aircraft, personnel, and equipment, we provide purpose-built datasets for training, simulation, AI/ML, digital twins, and technical documentation. Our mobile, multi-technology scanning platform deploys anywhere in the U.S., capturing everything from individual components to full environments with precision and speed. Commercial-scale production experience across 500+ major film and TV productions validates our operational tempo and delivery reliability.

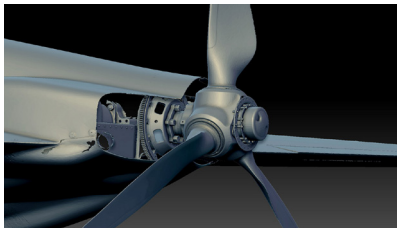




SBIR PHASE II - ORDNANCE & AI TRAINING Our Army EOD SBIR Phase II project integrates automated 3D scanning with AI training workflows to capture objects ranging from sub-inch ordnance components to human-sized objects. We produce high-quality 3D datasets that support object identification, threat analysis, simulation, and AI model training - transforming physical items into reliable, operationally relevant digital assets for defense applications.

ENVIRONMENT & FACILITY CAPTURE (LiDAR) Our LiDAR and 3D scanning capabilities convert real-world spaces into accurate, navigable digital environments. We have captured complex facilities, outdoor terrain, and operational spaces for mission planning, training environment development, and infrastructure documentation. The same workflows that support immersive simulation and VR training have been applied across a range of defense-relevant environments.



PRECISION COMPONENT & PLATFORM SCANNING Our handheld laser scanning capability supports inspection, reverse engineering, maintenance documentation, and simulation asset development for complex platforms and weapons systems. Capturing true 1:1 data at up to 0.025 mm resolution, it produces detailed geometry for precision parts, complex surfaces, and large assets - including reflective and clear materials that defeat most commercial scanners. We have applied this capability directly to military aircraft for inspection, documentation, and training applications.

PERSONNEL SCANNING FOR VR/XR TRAINING Our mobile 160-camera cross-polarized photogrammetry studio captures uniformed personnel in full kit with the fidelity required for VR/XR training, simulation, and mission rehearsal applications. Deployable anywhere in the U.S., the system delivers high-quality human scans at scale supporting readiness programs that require realistic digital representation of warfighters and equipment across diverse operational contexts.

We welcome the opportunity to discuss your program's specific data requirements. Contact us to explore how The Scan Truck's mobile scanning capabilities can support your training, simulation, or AI development objectives.

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