



SSOLAS field testing, Bush Combat Development Complex, Texas A&M, August 2025.

Underground detection, delivered as a data service.



Seismic Subsurface Object Location and Analysis System

(pronounced “solace”) | In development by GoVentures, Inc. | Patent pending

Finding what is buried remains slow and uncertain in many soils, and the core tools have changed little in eighty years. Unexploded ordnance left by past conflicts is the most urgent case: it kills and maims civilians, blocks farming, and holds communities in poverty.

GoVentures is developing SSOLAS, the Seismic Subsurface Object Location and Analysis System, an early-stage seismic-acoustic sensing approach designed to detect buried objects and measure soil properties where conventional tools can be limited. Ordnance detection is the entry market. The same sensing may extend, with modified configurations, to infrastructure inspection, buried utilities, and geotechnical site assessment; these uses are not yet tested. The envisioned business model is data as a service.

\$16.1B

estimated cost to complete munitions response at U.S. sites, including removal

\$28B

Ukraine's estimated total demining cost

1/4th

of Ukraine's estimated cost is for technical survey (field detection)

Sources: Defense Environmental Restoration Program Fast Facts, FY26 budget data (U.S. cost to complete); World Bank et al., Rapid Damage & Needs Assessment (RDNA5), Feb. 2026 (Ukraine total need); 2024 joint study of Ukraine's demining costs, as reported by Komersant, Sept. 2024 (technical survey).

The Opportunity

Entry market: explosive remnants of war (ERW) detection. Commercial estimates put global spending on unexploded ordnance (UXO) detection services at about \$2.5B in 2025, and estimates vary widely by source. That is the market as it exists today, shaped by what current tools and budgets can address, not a measure of the full need. SSOLAS is designed to fill a gap, not replace existing tools, and may open demand that current tools cannot serve.

Possible further applications, with modified configurations (not yet tested):

- Soil characterization and geotechnical site assessment
- Infrastructure inspection (bridge foundations, dams)
- Utility and buried asset detection
- Archaeological survey
- Domestic military site cleanup (11M+ acres at nearly 2,000 U.S. ranges potentially contaminated)

IP: One non-provisional U.S. patent application filed, one provisional in process, and a continuation-in-part planned.

Stage and Use of Funds

Where it stands: Technology Readiness Level 2–3 of 9, an early stage. Demonstrated in testing: seismic sensing and edge data processing.

Field testing in summer 2025 at two farms (Pennsylvania and Maryland) and at Texas A&M's Bush Combat Development Complex (August 2025) covered four soil types. Results support feasibility. These are preliminary results; further research is needed to establish operational parameters.

Capital would be directed to (planned):

- Fabricated sensor units (MIPs) to replace the fixtures used in testing, with designs matched to soil data
- An uncrewed ground and air vehicle (UGV/UAV) deployment system, plus aerial camera and GPS data for site maps
- On-site computing and automated analysis, with mixed-reality maps that show where objects were and were not detected
- Cloud processing and delivery, and over time a global soil knowledge base with AI-assisted analysis

Envisioned business model: data as a service



Non-dilutive funding in parallel: Army ERDC BAA (Topic EL-1) accepted, but no funding was available; NSF SBIR and NASA SBIR responses awaited. No awards to date.

Team and Company

GoVentures, Inc. was founded in 2002 by two senior professionals with decades of experience in aerospace, robotics, construction, contracting, and program management. GoVentures has invested three years and substantial company capital in SSOLAS. Academic team members to date include the University of Texas at San Antonio, Rowan University, and Texas A&M University. Industry: [Nextage LLC](#) (teaming partner); [Strados Labs](#) (in discussion).

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For information on investor opportunities: goventures.biz | team-ssolas@goventures.biz

Early-stage and preliminary. We welcome conversations with accredited investors.

Maryland C Corporation | Woman-owned small business | SAM.gov active | UEI MHPYL8N84K17 | CAGE 1TQ24 | NAICS 541715, 541330



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