

GoVentures, Inc. is developing SSOLAS — a seismic detection technology designed to locate buried explosive remnants of war in soils where conventional electromagnetic and radar methods fail.

TECHNOLOGY

SSOLAS — Seismic Detection Platform

SSOLAS uses instrumented penetrometers to transmit seismic energy into soil and measure how buried objects change that response. The approach is unaffected by soil conductivity, mineral content, or electromagnetic interference.

- Works in clay-heavy, mineral-rich, and conductive soils
- Detects metallic and non-metallic targets
- Volumetric detection — not ribbon-based survey
- Designed for automated data collection
- Targets NTS and TS phases of mine action pipeline

TECHNOLOGY READINESS

TRL 2–3 — Demonstrated Concept

Field testing completed August 2025 at Texas A&M Bush Combat Development Complex and two additional sites. Consistent, measurable signal differences recorded across three locations and four soil types when targets were present.¹

CURRENT PROGRAM PURSUIT

ERDC BAA W912HZ26S0001

White paper submitted. GoVentures as prime contractor. Teaming partners: Rowan University DEHub (digital engineering / data analysis) and Nextage LLC (electrical and systems engineering). Targeting topic areas EL-1 (UXO Detection), ITL-1, and GSL-11.

LEADERSHIP

Janis L. Tabor, CAE — President & CEO

Science and engineering policy; congressional staff; technology policy leadership and coalition building; science communications consulting; proposal and contract management.

MARKETS & APPLICATIONS

Primary: Humanitarian ERW/UXO Detection

- 57+ contaminated countries (Landmine Monitor 2025)
- Ukraine: ~29% of territory requires survey
- \$28B+ total mine action cost (RDNA5, Feb. 2026)
- Particularly suited to soils where EM/GPR methods fail

Secondary: U.S. Domestic UXO Remediation

- 4,700+ formerly used defense sites (FUDS)
- \$14B+ estimated minimum UXO remediation cost (EPA)
- Active ERDC funding programs directly relevant

Tertiary: Infrastructure & Civil Applications

- Utility mapping, construction, archaeological survey

COMPANY PROFILE

- Woman-Owned Small Business (WOSB)
- Maryland C Corporation — founded 2002, SSOLAS 2023
- SAM.gov Active registration
- UEI: MHPYL8N84K17
- CAGE Code: 1TQ24
- Primary NAICS: 541715 — R&D Physical/Eng/Life Sciences
- Secondary NAICS: 541330 — Engineering Services

Barney F. Gorin, PE, MS, MBA — VP & Technical Lead

Decades in aerospace, robotics, and construction. Recent: DARPA Robotic Servicing of Geosynchronous Satellites. Inventor of SSOLAS.

With 18+ contributors since SSOLAS' inception in 2023.

¹ Gorin et al., "Hyperlocal Seismic Soil Characteristic Measurements for Unexploded Ordnance Detection," *EarthArXiv preprint*, April 2026.