

A new approach to detecting buried explosive threats.

SSOLAS—*Seismic Subsurface Object Location and Analysis System*—finds what metal detectors and magnetometers miss, using AI-powered acoustic sensing and 3D tomographic imaging.



SSOLAS sits where no existing technology does.

Current tools force a choice between accuracy and scalability. SSOLAS delivers both — and detects threats existing tools cannot.

Technology	Non-metallic threats	3D subsurface imaging	Autonomous/scalable
SSOLAS (GoVentures)	Yes	Yes	Yes
Metal detectors	No	No	Partial
Magnetometers	No	No	Partial
Ground-penetrating radar	Yes	Limited	No
Infrared / thermal	Partial	No	Partial

Moat

Proprietary seismic-acoustic sensor fusion algorithm. AI model trained on subsurface object signatures. Continuous learning from global excavation outcomes. Patent applications in progress.

Sources: CBRNE Central (2019); ScienceDirect, GPR-based UXO Detection (2022); PanGeo Subsea, UXO Survey Technology; ResearchGate, Magnetic Mapping for UXO (2007); U.S. EPA, Ground-Penetrating Radar; xyHt Professional Surveying Journal (2020). SSOLAS capabilities reflect design specifications at TRL 2–3; field validation in progress.

BUSINESS MODEL

From funded R&D to commercial deployment — three revenue streams, sequenced by phase.

STREAM 1

Phase 1–2 • 2026–2028

R&D Contracts

WHO PAYS

DoD, SERDP/ESTCP, public grants, allied defense agencies

WHAT THEY FUND

Sensor development, field testing, IP validation

OUR STATUS

ERDC BAA pre-proposal submitted; field test protocol designed

STREAM 2

Phase 3 • 2028–2029

Detection-as-a-Service

WHO PAYS

Demining agencies, DoD, HALO Trust, MAG, UN Mine Action, utilities, infrastructure developers, geotechnical engineering firms

WHAT THEY BUY

Subsurface survey results — object identification, depth mapping, clearance certification

KEY ADVANTAGE

ERDC BAA pre-proposal submitted; field test protocol designed

STREAM 3

Phase 3+ • 2029 onward

Licensing + SaaS

WHO PAYS

Demining agencies, DoD, HALO Trust, MAG, UN Mine Action, utilities, infrastructure developers, geotechnical engineering firms

WHAT THEY GET

Subsurface survey results — object identification, depth mapping, clearance certification

KEY ADVANTAGE

ERDC BAA pre-proposal submitted; field test protocol designed

CONTRACT TYPE

Multi-year R&D

CAPITAL INTENSITY

Low

Service / deployment

Medium

License + subscription

Low

FINANCIAL PROJECTIONS

Positive cash EBITDA by year 2, funded through government grants and founder commitment.

	2026	2027	2028
Revenue	\$44K	\$356K	\$350K
Gross profit	\$44K	\$356K	\$350K
Total operating expenses	\$331K	\$334K	\$338K
<i>of which: deferred founder comp</i>	<i>(\$130K)</i>	<i>(\$78K)</i>	<i>(\$39K)</i>
Cash operating expenses	\$201K	\$256K	\$299K
EBITDA (cash basis)	(\$157K)	\$100K	\$51K
Active deployments	0	0	1-2

\$1M

SAFE raise funds
~4 years runway

2027

First year positive
cash EBITDA

50%

Founder comp
deferred in year 1

Revenue reflects confirmed and pending government grant awards. R&D direct costs recovered within grant budgets. Operating expenses reflect founder labor and G&A only. 2028 revenue assumes follow-on awards not yet confirmed.

Raising \$1M via SAFE (Simple Agreement for Future Equity)

Use of funds:

- Proving SSOLAS performance through real-world field testing
- Building the prototype detection instrument and data recording system
- Filing and securing patents on core SSOLAS technology
- Recruiting next-generation technical leadership to ensure long-term continuity
- Adding specialized technical expertise to the team

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