RESONIX

The reliability layer beneath intelligence.™

DOMAIN SPECIFICATION

RESONIX LABS (USA), INC.

UEI	CAGE	SAM.GOV	ENTITY	HEADQUARTERS	OWNERSHIP
J8PVQBNB34A5	25C44	Active	Delaware C-corporation	Paradise Valley, AZ	U.S. majority owned

PrecisionFusion · engineer eval

Engineer pilot handout · 20 October 2026

Job: Assign **minimum floating-point precision per sensor modality** before your fusion math (not a new fusion algorithm).

Compare to: **FP64 (or FP32) on every modality**.

Pilot KPIs: Memory/compute vs FP64 baseline at agreed **position/velocity RMSE ε**.

30-day pilot: Your fusion benchmark workloads; precision manifest in integration SBOM.

Pass: Meets memory/compute target with **ΔRMSE ≤ ε** on required modalities.

Lab evidence (scope): Synthetic fusion CI: **~2.9×** memory vs FP64 at **ε = 1 m** with zero RMSE delta on that fixture; **customer stack required** for production claims.

Do not compare to: Prime vendor fusion engine replacement.

NAICS

541715 PRIMARY
513210 · 541511 · 541512

PSC

AJ12
DA01
R425

INQUIRIES

Partnering, teaming and technical questions

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