RESONIX

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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

PrecisionComms · engineer eval

Engineer pilot handout · 20 October 2026

Job: Compress **mission / telemetry archives** for downlink (science and ops products).

Compare to: **gzip** on the same archive tarballs.

Pilot KPIs: Ratio vs gzip; integrity of required metadata and science columns.

30-day pilot: Round-trip on a **mission archive sample** you designate.

Pass: Better ratio than gzip without corrupting required products.

Lab evidence (scope): NASA MAST/PDS-style archives **~1.6×** vs gzip in internal study.

Do not compare to: Lossy compression of simulation FP arrays (different use case).

NAICS

541715 PRIMARY

513210 · 541511 · 541512

PSC

AJ12

DA01

R425

INQUIRIES

Partnering, teaming and technical questions

Mike Hurm, COO
mikeh@resonixusa.com

Paul West, CTO
paulw@resonixusa.com