VINETKA/

CAPABILITY STATEMENT · 2026

Governed agentic AI for engineering, defense, and research programs.

CAGE	UEI	PRIMARY NAICS	SAM.GOV	BUSINESS TYPE
12K15	N9V5G3DJ51C5	541512	Active	SBA-certified WOSB

COMPANY OVERVIEW

VINETKA LLC is a founder-led U.S. small business that builds AI for programs where an unverified answer is a liability. Our architecture, **HELM**, reads drawings, documents, signals, and records; reasons across them with orchestrated agents; and produces models, procedures, and decisions with the evidence attached. We work with program offices, prime contractors, and university researchers.

CORE COMPETENCIES

Technical knowledge and performance support
Cited, role-fenced answers from controlled corpora, with refusal when the source is absent.

Engineering content from technical data
Drawings and manuals turned into verified, articulated 3D assets for training.

Auditable engineering decisions
Living decision records linked to requirements, models, and evidence.

AI test and evaluation
Gold sets, synthetic test data, failure-mode analysis, readiness reports.

Autonomy and multi-agent coordination
Simulation-first, hardware-agnostic mission orchestration.

Photonics, sensing, and imaging
Modeling, reconstruction, and analysis for hardware programs.

HELM ARCHITECTURE

01 **Multimodal ingestion** Sources normalized, fingerprinted, kept as evidence.	02 **Orchestrated agents** Draft, retrieve, compute, critique; escalate when unsure.	03 **Deterministic gates** Rules, unit and geometry checks, tests, gold sets.
04 **Provenance** Every artifact carries its lineage and is replayable.	05 **Human authority** High-impact changes wait for a recorded signature.	06 **Closed-loop learning** Corrections feed back; synthetic data where real data is scarce.

RUNNING TODAY

POINT
• TRL 4 LAB PROTOTYPE
Cited performance support. 20/20 gold-set cases pass across cite, fence, and refuse on a synthetic, unclassified corpus. Not accredited.

FORGE
• ACTIVE PROTOTYPE
Verified 3D teaching packages: hex nut, bolt and nut, propeller, pump. Bad drafts are blocked before export.

DIFFERENTIATORS

- ◇ **Audit-first by design.** Provenance, versioning, and sign-off are the spine of the system.
- ◇ **Model-agnostic.** Local or cloud, frontier or fine-tuned; the gates do not change.
- ◇ **Production AI experience.** Founder built AI for Adobe Firefly and Acrobat.
- ◇ **Candor as policy.** Readiness levels and limits are stated in writing.

COMPANY DATA

LEGAL	VINETKA LLC
CAGE	12K15
UEI	N9V5G3DJ51C5
SAM	Active
TYPE	SBA-certified WOSB

NAICS

541512	Computer Systems Design Services PRIMARY
541511	Custom Computer Programming
541519	Other Computer Related Services
513210	Software Publishers
541715	R&D, Physical and Engineering Sciences
541330	Engineering Services
541380	Testing Laboratories and Services
541690	Scientific and Technical Consulting
334413	Semiconductor and Related Devices

SELECTED PSC

AJ12	Applied research, general science
DA01	IT application development support
DJ01	IT security and compliance support
R425	Engineering and technical support

TEAM

Tina Rezvanian, Ph.D.
Founder and CEO
Production AI at Adobe on Firefly and Acrobat. Ph.D., Industrial Engineering and Operations Research, Northeastern.

Ed Shah, Ph.D.
Engineering and Physics Technical Lead
Ph.D., Electrical Engineering (Photonics), Georgia Tech. 53 granted U.S. patents.

Sanford Friedenthal
Advisor, Systems Engineering and SysML v2
Former Lockheed Martin Technical Fellow; co-led SysML v2.

Personnel experience, not corporate past performance.

Tina Rezvanian, Ph.D. · Founder and CEO
info@vinetka.ai · +1-415-941-1257 · vinetka.ai