

SOVEREIGN MANUFACTURING TECHNOLOGY

Built for CMMC. Ready for TACOM.

Kavanagh Industries is a Michigan-based sovereign technology and manufacturing company headquartered 5 miles (8 km) from the Detroit Arsenal in Warren, MI. Our infrastructure is designed from day one for defense manufacturing: air-gapped, zero foreign cloud dependency, NIST 800-171 aligned, and CMMC 2.0 ready.

Location	Clinton Township, Michigan — 5 mi from TACOM / Detroit Arsenal
Entity	Kavanagh Industries LLC — Michigan LLC, EIN registered, PNC business account
Patent	USPTO Provisional #63/991,057 filed Feb 25, 2026 (utility application in progress)
SAM.gov	Registration in progress Q2 2026 — EIN and entity documentation available on request
CAGE Code	Assignment pending with SAM.gov registration — letter of intent available
Cloud Policy	Zero foreign cloud dependency — all data on Michigan hardware under Michigan law
NDA	Mutual NDA available immediately — executed at first contact if requested

Core Capabilities

- RigidVault** Air-gapped sovereign storage platform. RAID-redundant, Michigan hardware, never foreign-cloud. Designed for CUI-adjacent data handling.

- RigidPulse** AI motion control OS for CNC and autonomous ground vehicles. Jetson-based edge inference — all AI runs on-premises, no cloud model calls.

- RigidSense** 16-sensor telemetry ecosystem: vibration, acoustic, thermal, load, power quality. Real-time anomaly detection with local data retention.

- RigidNode** Sovereign compute node — Jetson Orin Nano Super. On-premises AI inference for disconnected or SIPR-adjacent environments.

- RigidDrive** Autonomous ground vehicle platform. RC-scale to full AGV. Jetson + Isaac ROS + continuous telemetry logging. TACOM unmanned systems alignment.

- RigidEngineering** SOLIDWORKS CAD, FEA, DFMEA — fixed-scope, NDA-protected. 30+ years across automotive, aerospace, defense, and biomedical.

Compliance Architecture

- CMMC 2.0** Building toward Level 1 compliance. Level 2 readiness is the architecture target for RigidVault and RigidNode.

- NIST 800-171** Architecture aligned: air-gap eliminates cloud-transfer controls; Michigan jurisdiction eliminates foreign-law exposure.

- DFARS** No third-party cloud dependency. Supply chain risk contained: no subprocessors with foreign data access.

- CUI Handling** Air-gapped architecture suitable for CUI-adjacent environments. Formal CUI authorization is part of the CMMC L2 roadmap.

- ISO / SOC** Roadmap item post-SAM.gov registration. Architecture is designed to support audit without restructuring.

- Zero Foreign Cloud** Microsoft 365 (US tenant), Cloudflare (US edge), all operational data on Michigan hardware. No AWS/GCP/Azure foreign regions.

TACOM & DETROIT ARSENAL PROXIMITY

Kavanagh Industries is headquartered in Clinton Township, Michigan — approximately 5 miles (8 km) from Tank-Automotive and Armaments Command (TACOM) at the Detroit Arsenal in Warren, MI. Our product roadmap is directly informed by TACOM unmanned systems, autonomous ground vehicle, and sovereign infrastructure priorities. On-site visits, integration discussions, and joint development conversations are available without travel overhead.

Begin a Compliance Conversation

Defense and government inquiries responded to within 1 business day. NDA executed at first contact if requested.

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