

SERIES A INVESTMENT OFFERING

KEMBEL TECHNOLOGIES

The World's First Unified Digital Twin Super-Platform Across Aerospace, Semiconductor Manufacturing, and Surgical Robotics

Target Raise: \$20M – \$100M

Dual-Silicon: Microsoft + NVIDIA

Kirkland, WA | Founded 4/19/2019

Fragmented Data & High-Latency Cloud AI

Siloed Enterprise Operations

Across critical high-stakes industries (healthcare, semiconductor fabs, aerospace testing), systems fail to communicate. Data is trapped in single-use silos with zero continuous learning across operations.

Fatal Cloud Latency in Critical Settings

Cloud-only AI models cannot support millisecond-level execution required during live surgical procedures, semiconductor yield adjustments, or high-speed aerospace physics simulations.

The Cost of Fragmented Systems

- **Healthcare:** "Systems don't talk to each other... No system learns from every surgery."
- **Semiconductors:** Multi-million dollar yield losses due to delayed fab QA feedback loops.
- **Aerospace:** High maintenance downtime without continuous, real-time digital twin monitoring.

Enterprise Buyers Across 3 Trillion-Dollar Markets

1. Healthcare Ecosystems

Target: Enterprise Hospitals, Surgical Centers, Academic Medical Networks.

- Chief Medical Officers & Chiefs of Surgery.
- Surgical Robotics & OR Directors.
- Desperate for a unified clinical data backbone.

2. Semiconductor Fabs

Target: Global Silicon Foundries & Microchip Manufacturers (SemiCore).

- VP of Fab Manufacturing & QA.
- Real-time fab yield optimization teams.
- Automated wafer inspection systems.

3. Aerospace & Defense

Target: Commercial Aerospace Giants & Federal Defense Prime Contractors (TwinCore).

- Aerospace Testing Engineers.
- DoD / VA Defense Procurement Officers.
- Autonomous maintenance teams.

The Perfect Storm: Edge Silicon Wave (Jan 1 Launch)

Commercial Convergence on January 1

With next-generation Microsoft Maia Cloud silicon and NVIDIA AI PC Edge hardware officially launching, enterprises can run local, physics-accurate AI digital twins locally with zero latency, full privacy, and dramatically reduced compute cost.

Market Catalysts

- **AI Chip Supercycle:** Transitioning from cloud-only inference to edge AI PCs.
- **Digital Twin Explosion:** Rapid adoption across regulated enterprise sectors.
- **Hospital Modernization Mandate:** Urgent need for integrated AI data backbones.

January 1, 2027

COMMERCIAL UNIFIED PLATFORM LAUNCH WINDOW

First-Mover Window

Kembel Technologies is structured to capture this macro shift on Day 1 by deploying our unified orchestration engine across newly available edge AI hardware architecture.

Intersection of Explosive Mega-Trends

\$300B+

GLOBAL AI CHIP MARKET BY 2030

\$150B+

DIGITAL TWIN MARKET BY 2030

\$400M+

TARGET ARR EXIT TARGET BY 2031

Silicon Supercycle

Driven by demand for custom accelerators (Microsoft Maia) and edge AI processors (NVIDIA AI PC series).

Industrial Twins

Aerospace, semiconductor fab manufacturing, and healthcare lead global digital twin adoption.

5-Year Strategy

Unlocking recurring revenues across SaaS licensing, API metering, and federal procurement.

Unified Digital Twin Super-Platform

GS AI Core Digital Twin Platform™

Generates real-time patient-specific digital twins, guiding surgical robotics with millisecond accuracy while learning continuously from every procedure.

Enterprise AI Database — The Hospital Engine

Central repository capturing CT/MRI imaging, surgical video feeds, ultrasound, and sensor telemetry.

Recurring Revenue Roadmap: \$800K → \$4M → \$12M

Vertical Industrial Applications

- **SemiCore Division:** Semiconductor fab yield optimization, physics-accurate wafer digital twins, and autonomous QA decision systems.
- **TwinCore Division:** Aerospace digital twin testing, predictive maintenance, and real-time stress simulation.

FDA Acceleration & Enterprise Governance

FDA Fast-Track via Univ. of Washington

Led by CMO **Dr. Edward Johnson** (University of Washington faculty), providing direct access to UW surgical centers, ready IRB committees, and academic trial infrastructure.

6 – 12 Months

ACCELERATED FDA TIMELINE REDUCTION

Medical-Grade Regulatory & Safety Moat

- **ISO 13485:** Medical device quality management system alignment.
- **IEC 60601:** Medical electrical equipment safety compliance.
- **Regulatory Pathways:** FDA 510(k) and De Novo pathways.
- **AI Governance:** Compliant with HIPAA and NIST AI Risk Management Framework (AI RMF).

Dual-Silicon Strategy & The KSIC1 Chip

Dual-Silicon Co-Operation

"The only platform simultaneously leveraging both Microsoft Maia cloud AI chips and NVIDIA AI PC edge silicon within a unified orchestration framework."

- **Microsoft Maia:** High-density transformer model training on Azure.
- **NVIDIA AI PC:** Low-latency local edge inference with zero cloud delay.

KSIC1 — The \$1B+ Surgical Intelligence SoC

A proprietary category-creator semiconductor:

- First chip designed specifically for real-time surgical AI.
- Built-in digital twin processing unit & tissue modeling engine.
- Hardware-level surgical safety engine and biosignal fusion.

Consolidated IP & Partner Validation

Strategic Entity Merger (July 2026)

Successfully consolidated three specialized AI ventures into Kembel Technologies Inc., unifying intellectual property, codebases, and platform architecture:

- **SemiCore:** Semiconductor manufacturing AI.
- **TwinCore Technologies:** Aerospace digital twin testing.
- **Global Surgical AI Healthcare:** Surgical robotics AI.

Enterprise Ecosystem Alliances

Leadership team brings validated enterprise relationships and historical partnerships across world-class organizations:

Microsoft

Boeing

Intel

Univ. of Washington

Commercial Execution & Expansion Roadmap

Phase	Timeline	Strategic Focus	Target Financials / Revenue
Phase 1	2026 – 2027	Commercial launch across 3 verticals; deploy dedicated Sales Navigator enterprise team; anchor hospital & fab clients.	\$10M – \$25M ARR Launch Date: Jan 1, 2027
Phase 2	2027 – 2028	Expand into federal government contracts (DoD Digital Twin, VA Surgical AI); security-cleared Azure integration.	Profitability Milestone (Anticipated 2028)
Phase 3	2028 – 2031	International scaling into EU semiconductor & aerospace markets; API monetization at scale.	\$400M+ ARR Target \$4B Valuation Exit

Monetization Streams

Enterprise SaaS Subscriptions • API Metering • Digital-Twin-as-a-Service (DTaaS) • Federal Contracts

Leadership Built at Microsoft Scale

Mark Kembel — Chairman, CEO & CAIO

Enterprise tech leader with decades of technical, operating, and board-level experience:

- **Microsoft Engineering Background:** Former Software Test Engineer & Manager for Windows 95 printing ecosystem.
- **Bill Gates "Ship It" Award:** Awarded for cross-team engineering impact and enterprise-grade reliability.
- **Serial Entrepreneur:** Built InterTest into a multimillion-dollar company serving Microsoft and Boeing.
- **Top 10 AI Leader (2026):** MSN.com national recognition in AI healthcare transformation.

Medical & Technical Advisors

- **Dr. Edward Johnson (CMO):** Chief Medical Officer, faculty member at University of Washington.
- **Aerospace & Silicon Specialists:** Deep network across Microsoft, Boeing, and semiconductor research.

Series A Offering Terms (Equity or Debt Options)

OPTION A: Equity Investment

Series A Round Size:	\$100M Total (\$20M Target Offering)
Post-Money Valuation:	\$1,000,000,000
Price Per Share:	\$100.00 USD
Minimum Investment:	\$250,000.00
5-Year Exit Target:	\$4,000,000,000 (10x Return)

OPTION B: Structured Loan / Debt

Principal Loan Target:	\$20,000,000 – \$25,000,000
Interest Rate:	4% Compounded Annually
Term Duration:	3 Years
Total Interest Accrued:	\$2,497,280 (\$20M principal)
Final Balloon Payoff:	\$22,497,280 Total Payoff

Contact Office of the CEO — Mark Kembel
Kirkland, WA • markkembel@gmail.com • globalvisionproai.com