

The background of the cover is a photograph of a mountain peak, likely Mount Rushmore, with a blue sky and a few stars. The image is overlaid with a dark blue gradient and a white starburst effect.

# 2025 U.S. Strategic Tech Apex 20

20 Portfolio Companies We Are Proud to Spotlight



## We are pleased to announce our **2025 U.S. Strategic Tech Apex 20.**

This selection of ventures from AV's portfolio of strategic tech startups features 20 of the names we're excited to spotlight. These companies were selected for their variety, innovative impact, performance, and upside.

As one of the most active venture capital firms globally, Alumni Ventures routinely co-invests alongside brand-name lead investors as we strive to be the industry's "co-investor of choice." Please explore our list of amazing portfolio companies.



**Radiation-Hardened Computers  
for Space**

- Delivers radiation-hardened edge computers for in-space AI workloads in partnership with NVIDIA
- Offers 20x more processing power and 5x longer durability than competitors, advancing real-time AI applications in space
- Co-investors: Kindred



**Reinventing Supersonic  
Aircraft Engines**

- Developing the world's first electric-adaptive engine, enhancing efficiency and versatility across aerospace
- Designed for applications from commercial airliners to orbital launches, unlocking new fuel and performance paradigms
- Co-investors: a16z, Giant Step, Lowercarbon



**AI-Powered Manufacturing  
Instructions**

- Revolutionizing manufacturing design with AI-driven automated work instructions and real-time 3D renderings
- Accelerates product development cycles and reduces errors in industrial manufacturing
- Co-investors: Confidential



**User Adaptive Risk  
Management**

- AI-powered platform that assesses real-time Employee Security Posture to mitigate cyber risk
- Transforms cybersecurity training into an adaptive, automated experience tailored to employee behaviors
- Co-investors: Craft



**AI-Native 5G Networks**

- Building AI-native 5G networks to support high-speed edge computing for industrial automation
- Enables scalable AI inference in real-world operational settings, optimizing manufacturing and logistics
- Co-investors: Intellectus



**3D-Printed Military Drones**

- Transforming the defense industry with modular, low-cost unmanned aerial systems using advanced 3D printing
- 10x faster production cycles and deployable at the tactical edge for real-time adaptation
- Co-investors: Confidential



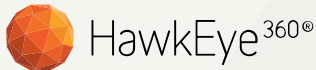
**Industrial Cybersecurity Protection**

- Securing industrial infrastructure from cyber threats through advanced monitoring and threat detection
- Critical for national security, ensuring manufacturing, energy, and defense operations remain resilient
- Co-investors: Founders Fund



**AI Inference Chips**

- Developed a single-core chip with a tensor streaming processor, reducing AI compute costs at scale
- Aims to drive the cost of AI inference toward zero, unlocking new AI applications
- Co-investors: BlackRock, Tiger Global



**Radio-Frequency Signal-Tracking Satellites**

- Operates a commercial satellite constellation to geolocate and analyze RF signals globally
- Enhancing intelligence and national security by tracking radio-frequency emissions
- Co-investors: BlackRock, Lockheed Martin, Insight Partners



**Space Logistics Solutions**

- Pioneering orbital maneuvering for last-mile satellite delivery, enabling precise payload deployment
- Solves critical space logistics challenges, reducing reliance on traditional launch providers
- Co-investors: Founders Fund, Lux Capital, RTX, DCVC



**Law Enforcement Information-Sharing Platform**

- AI-powered platform improving real-time information sharing for law enforcement agencies
- Enhances efficiency, collaboration, and response times in high-risk scenarios
- Co-investors: Commonweal



**Commercial Fusion Energy**

- Advancing commercial fusion energy, leveraging breakthroughs from National Ignition Facility
- Aims to make fusion energy viable and scalable as a long-term, clean power source
- Co-investors: General Catalyst, Lightspeed



**Unified Platform for  
Unmanned Systems**

- Unifying fragmented defense technologies into an integrated battlefield command system
- Solves interoperability issues across the U.S. defense industrial base
- Co-investors: Initialized



**Portable Nuclear Microreactors**

- Developing safe, portable microreactors as a carbon-free alternative to diesel generators
- Enables rapid deployment of nuclear energy for off-grid applications
- Co-investors: DCVC, A16Z, Founders Fund, USV, Felicis



**Emergency Response Data System**

- Bridging connected devices with 911 and first responders, enabling real-time emergency data sharing
- Improves emergency response times and situational awareness for first responders
- Co-investors: BlackRock, Acrew, Two Sigma



**Industrial Energy Storage**

- Developing energy storage modules to replace fossil fuels in industrial applications
- Electrification-driven technology designed for power generation and heat-intensive industries
- Co-investors: Khosla, Prelude



**Blockchain Investigations  
& Risk Management**

- Providing blockchain intelligence for detecting and investigating financial crime
- Trusted by government agencies and financial institutions for fraud prevention
- Co-investors: Bessemer, Thoma Bravo



**UNSTRUCTURED.IO  
AI Data Preparation**

- Transforms unstructured data (PDFs, emails, images) into AI-ready formats
- Solving the data preparation bottleneck for AI and analytics at enterprise scale
- Co-investors: Bain Capital, Madrona



### AI for Federal Proposal Development

- AI-powered automation platform streamlining federal contracting and procurement
- Reduces proposal development timelines from 28 days to just 8 while boosting efficiency by 92%
- Co-investors: Confidential



### Automated AI Firearm Detection

- AI-powered gun detection system providing real-time threat alerts for security teams
- Deployed across schools, government buildings, and commercial properties to prevent active threats
- Co-investors: Sorenson, Broadlight, Intel Capital

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