GSI TECHNOLOGY

Creator of the Associative Processing Unit (APU) for AI and a leading provider of high-performance memory solutions

Lee-Lean Shu, Chairman, President & CEO
Doug Schirle, CFO
Didier Lasserre, VP of Sales and Investor Relations

November 2026

SAFE HARBOR

This presentation, and oral statements made in connection with it, contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These include statements regarding the timing of Gemini-II and Plato commercialization and development milestones (including the Plato tape-out, sampling and launch, and the release of our AI-assisted SDK), proof-of-concept programs, strategic partnerships, government funding, radiation-hardened SRAM orders, the sufficiency of our cash resources, market size and benchmark results. These statements are based on information available as of the date of this presentation and involve risks and uncertainties that could cause actual results to differ materially. These risks include: proof-of-concepts or benchmarks not leading to design wins or revenue; development delays or cost overruns; customer and supplier concentration; manufacturing cost increases; the availability of government funding; and geopolitical conditions, particularly those affecting Taiwan and, to a lesser extent, Israel. GSI Technology assumes no obligation to update forward-looking statements, except as required by law.

Market, industry and performance data come from third-party sources and internal testing that we have not independently verified. For more information about these and other risks, see "Risk Factors" in our Annual Report on Form 10-K for the fiscal year ended March 31, 2026, and our Quarterly Report on Form 10-Q for the quarter ended September 30, 2026.

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GSI BY THE NUMBERS

LTM Revenue (as of Q2 FY2027)
$24.7M

Cash and cash equivalents[1]
$69.2M
(NO DEBT)

Market Cap[2]
$136.3M

Insider Ownership
17%

Years with TSMC
30

SRAM chips shipped to date
140M

Employees Worldwide
132

Patents Granted
159 Total
97 for APU

Founded / IPO
1995 / 2007

1. Includes cash and cash equivalents, short and long-term investments as of September 30, 2026.
2. Based on the closing share price of $3.54 on November 4, 2026, and common stock outstanding of 38,498,500 shares as September 30, 2026.

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FROM SRAM LEADER TO EDGE AI COMPUTE PLATFORM

TRANSITION INTO EDGE AI ENABLED BY 30+ YEARS OF SEMICONDUCTOR EXPERTISE

Leveraging Decades of Memory Innovation to Build the Optimal Edge AI Processor

High-Performance SRAM Leadership

- Industry leader in high-density SRAM
- Cash from operations funds APU

Developer of APU Compute-in-Memory

- 11+ years of R&D
- $175M invested
- Proprietary CIM architecture

APU Families

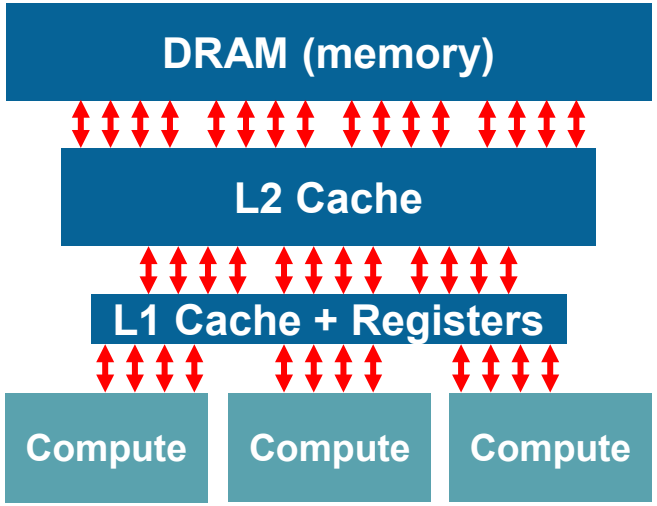
- Gemini-II
- Plato
- Future APUs

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CIM REDUCES DATA MOVEMENT, USES LESS POWER

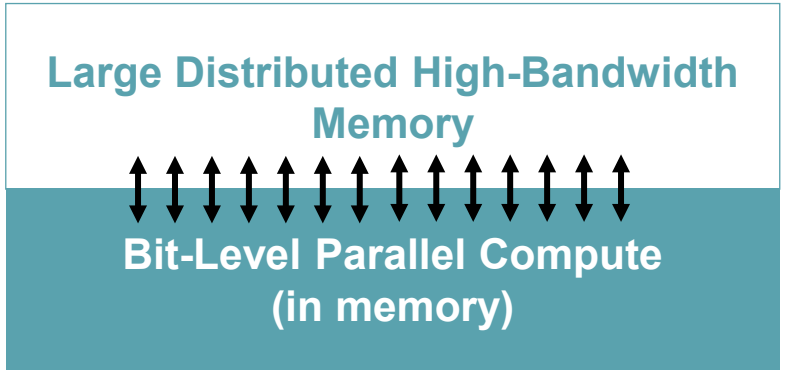
GPU, CPU (VON NEUMANN MODEL)

- **Massive data transfers**
- **High power consumption creates excessive heat**



APU COMPUTE IN MEMORY

- **Limited data movement**
- **Lower power consumption & less heat generated**



*Up to ~98% lower energy consumption compared with an NVIDIA A6000 in Cornell RAG testing**

*Source: "Characterizing and Optimizing Realistic Workloads on a Commercial Compute-in-SRAM Device," Cornell University-led research collaboration publication (2025) Demonstrated in Cornell-led research on RAG workloads versus NVIDIA A6000 using GSI's CIM architecture

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WHY EDGE AI REQUIRES A DIFFERENT PROCESSOR

Cloud AI Processors

- Deliver exceptional AI performance designed for data centers, not edge applications
- Require substantial power and cooling infrastructure
- Moving data to and from the cloud creates latency, bandwidth, and security challenges

Conventional Edge Processors

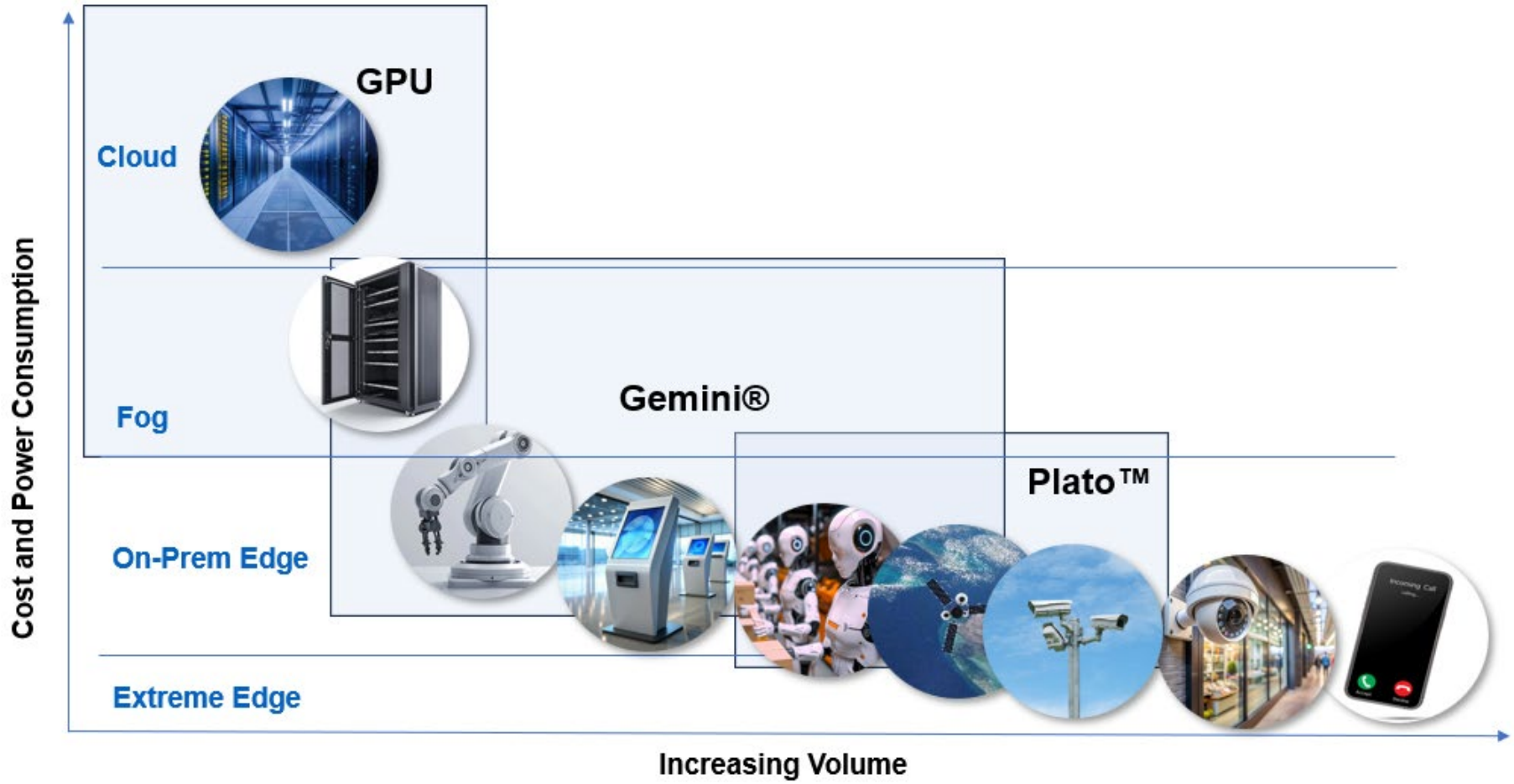
- Fit edge power budgets; don’t meet AI performance for real-time decision-making requirements
- Higher-performance alternatives typically consume too much power for many edge deployments
- Force tradeoffs between performance, power consumption, and response time

Edge AI's future will be defined not by maximum compute, but by maximum performance per watt

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TARGETED EDGE APPLICATIONS FOR GSI APU FAMILY

NOT EVERY AI WORKLOAD BELONGS IN THE CLOUD



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GEMINI-II: TARGETING MARKETS WHERE PERFORMANCE-PER-WATT MATTERS MOST

SELECTED MARKETS SHARE POWER, LATENCY, AND REAL-TIME DECISION-MAKING REQUIREMENTS

Ongoing Program Validation	Target Edge AI Markets	Status / Milestone
Taiwan Smart City	Smart Infrastructure	Phase I completed
Sentinel	Autonomous Drones	Proof of Concept
“Sentinel” POC/ Army SBIR	Defense & Autonomous Systems	Proof of Concept
YOLO SBIRs / Radiation tested Gemini-II SBIR	Satellite & Space AI	SBIR / Radiation Testing

Industrial vision is a potential adjacent market for capabilities developed through current proofs of concept.

Targeting Edge AI markets where Gemini-II’s advantages can accelerate commercial adoption

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GEMINI-II IN THE "SWEET SPOT" FOR EDGE AI

BAKE-OFF DEMONSTRATED BEST PERFORMANCE-PER-WATT

Platform	Time to First Token (TTFT)	System Power
Gemini-II APU	**< 2.5 seconds**	**~30W**
Snapdragon X Elite	12 seconds	~30W
Jetson Thor	~ 3 seconds	>100W

Gemini-II delivers up to 300% better performance-per-watt with fastest response time

(Sources: company testing and publicly reported benchmark results for Gemma-3 12B multimodal model (video + text inputs))

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GEMINI-II: BUILDING A PATH TO MARKET WITH POCS & SBIRS



Current Platform Validation in Ongoing POCs

- Defense/Tactical Edge: ”Sentinel” perimeter-security drone
- Smart Infrastructure: ”Smart Guardian Eye” smart-city deployment
- Space Development Agency SBIR: radiation testing ”off-the-shelf” Gemini-II
- US Army SBIR: building a portable, ruggedized platform



Adjacent Opportunities for Future POCs

- Industrial inspection
- Autonomous systems
- Commercial drones



* From Grandview Research press release dated May 2025: Smart City Market Growth & Trends

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SMART GUARDIAN EYE: INITIAL STAGE OF PHASE I ACCEPTED

DEMONSTRATING GEMINI-II IN A LIVE CUSTOMER DEPLOYMENT

20

Cameras
Current Phase I Scope

Oct. 2026

Initial stage Phase I acceptance
Hsinchu County, Taiwan

~80

Cameras
Proposed Phase II Scope



- Live AI video monitoring and incident reporting
- Demonstrates real-world image interpretation and event detection
- Reference for other smart-infrastructure applications

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GRINN REDUCING BARRIERS TO CUSTOMER ADOPTION

Today's process	GRINN AI-assisted SDK
• Extensive engineering effort to create AI models to the APU • Custom support for each prospective customer • Limited number of simultaneous evaluations	• AI-assisted model adaptation and integration reduces engineering work time • Hardware-aware model optimization improves how AI models are implemented • Increase evaluations and opportunities through customers and integrators

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PLATO: EXTENDING EDGE AI TO AUTONOMOUS SYSTEMS

MULTIMODAL AI AWARENESS & AUTONOMOUS DECISION-MAKING FOR POWER-CONSTRAINED EDGE DEVICES

Gemini-II Real-time Inference

- 15 W–100 W power profile
- Real-time multimodal AI
- Optimized for Smart Infrastructure
  - Defense & Tactical Edge
  - Industrial Vision
  - Early autonomous systems



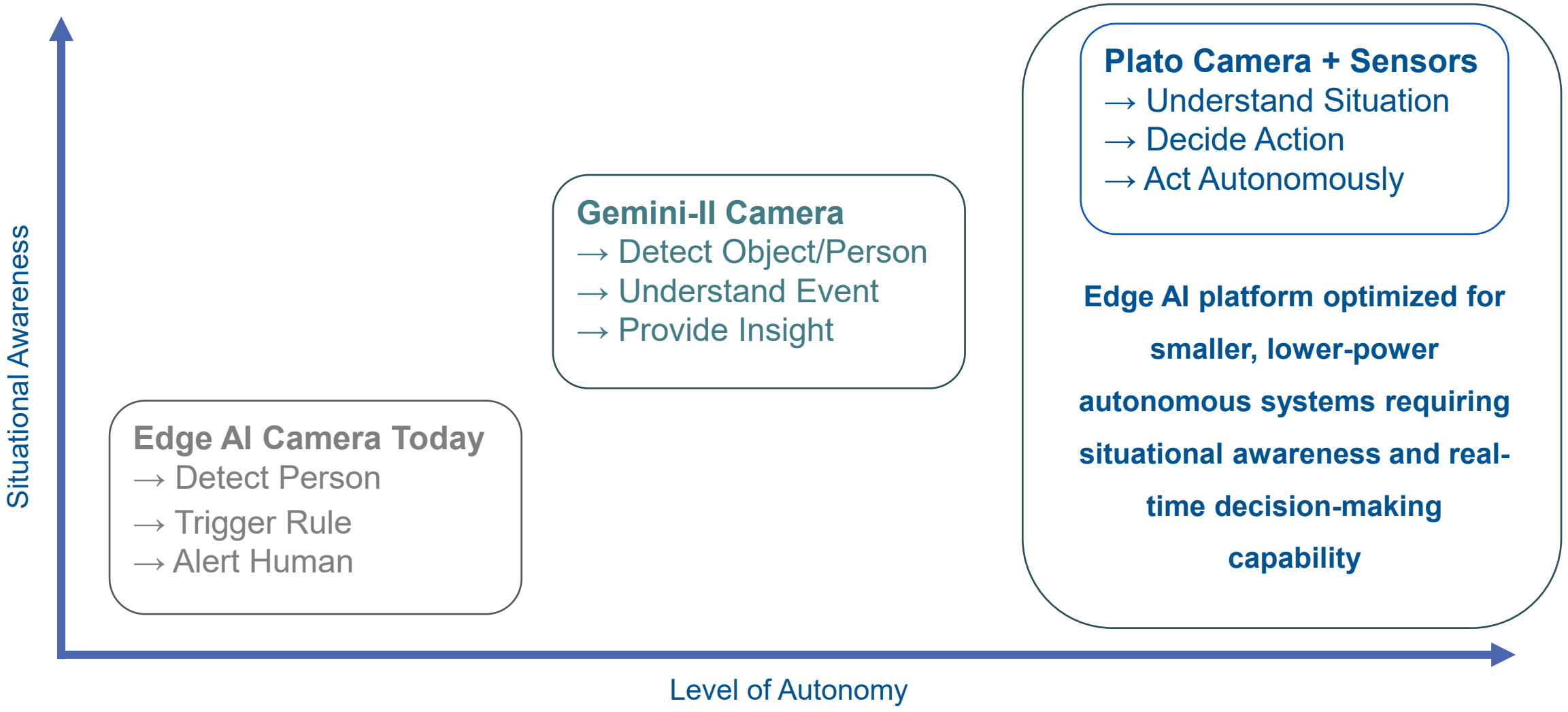
Plato Context-Aware AI

- Target 2 W–15 W power profile
- 1/4 the footprint of Gemini-II
- Higher memory bandwidth
- Support larger multimodal AI models
- Designed for embedded autonomous systems
- Suitable for battery operated applications



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PLATO ENABLES CONTEXT-AWARE AUTONOMOUS EDGE AI



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APU ROADMAP: EXPAND TO BROADER AI MARKETS

CY2026 Gemini-II Deployments

Specialized Edge AI

CY2027 Plato Launch

Broader Edge LLM

Future Enhanced APUs

Expanding Edge Targets

Projects & Deployments

- Sentinel Drone POC
- Smart Guardian Eye
- Ruggedized Edge Platform for US Army Phase-II SBIR

Plato Feature Highlights

- Higher DRAM bandwidth for VLM
- Average 8-watt power profile
- 1/4 the size of Gemini-II footprint
- Small form factor expands applications

Broader Use Cases

- Robotics, smaller drones and other new form factors
- Scalable roadmap to meet new use cases

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FINANCIAL OVERVIEW—Q2 FY2027

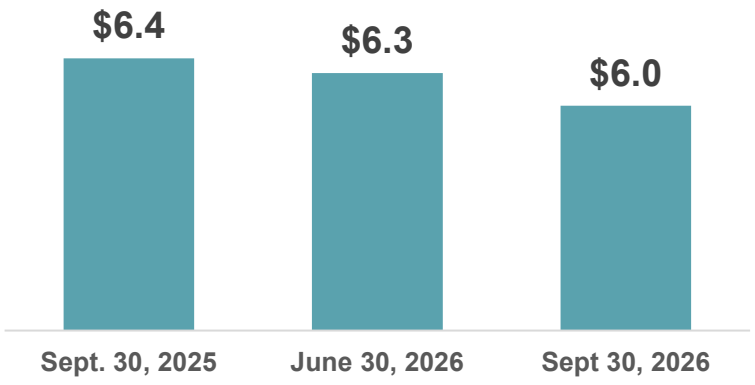
SUFFICIENT FUNDS TO COMMERCIALIZE GEMINI-II & ADVANCE PLATO DESIGN

Q2 FY2027 SRAM revenue impacted by extended lead times and variability in revenue from GSI's largest customers that support leading AI processor platforms and solid military/defense customers.

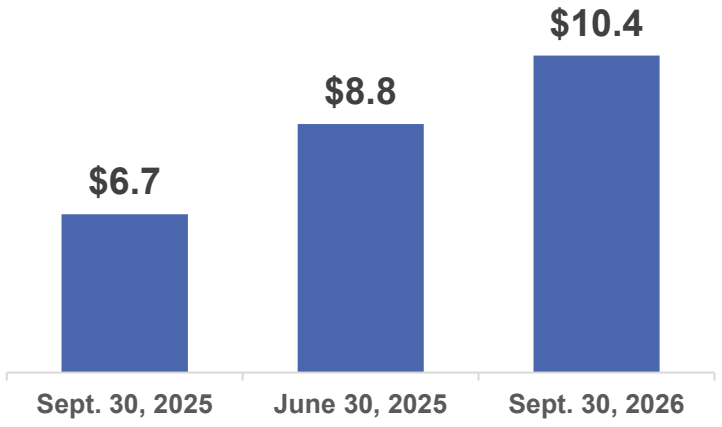
Q2 FY2027 reflects R&D related to Plato chip design, chip design consulting fees, as well as development of AI-assisted SDK, and non-routine legal and other professional fees.

Cash used in operating activities was $8M, related to Plato development, support of Gemini-II software development, and $2.0 net non-routine legal and other professional fees.

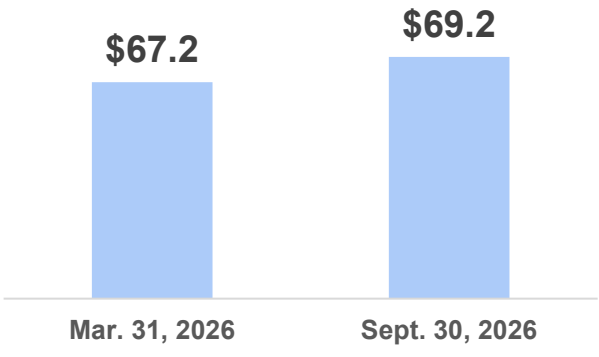
Quarterly Net Revenues
(in millions)



Operating Expenses
(in millions)



Cash & Cash Equivalents
(in millions)



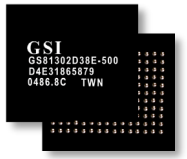
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HIGH-MARGIN SRAM BUSINESS FUNDS APU DEVELOPMENT

SRAM REVENUE PROVIDES FINANCIAL FOUNDATION TO DEVELOP AND COMMERCIALIZE APU PLATFORM







High density, low latency, high bandwidth, low power consumption

- Industry leader with largest portfolio of high-performance memory products
- SigmaQuad™ and SigmaDDR™ core business growth drivers
- SigmaQuad™ SRAMs recognized for industry-leading density and speeds
- 3rd and 4th Generation, sole-sourced, fastest off-the-shelf SRAM on market

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RADIATION-HARDENED & TOLERANT SRAM

FOR AEROSPACE, SATELLITE & DEFENSE

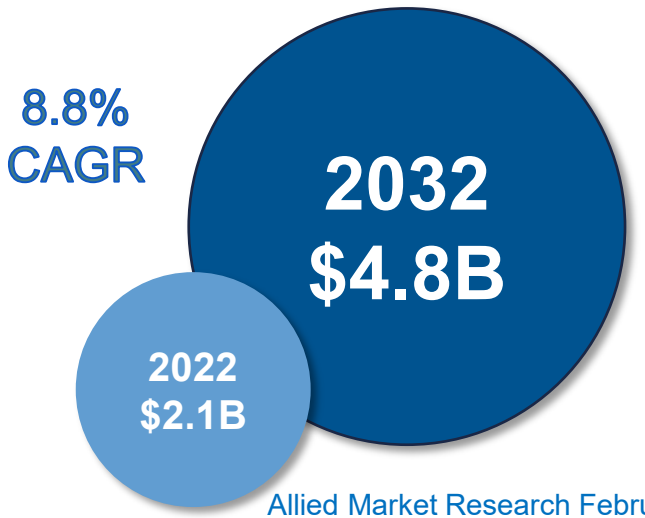
Advantages:

- Chips designed to protect from solar, deep space radiation
- Highest density, fastest speed, with “pin-to-pin” replacement
- Completed testing and stringent qualification processes

Future revenue and profitability drivers:

- Awaiting shipment on received orders
- ASP up to $30K with 90%+ gross margin
- Recurring revenue lifecycles of 10+ years; long design cycles

Space Semiconductor TAM
Radiation Hardened, Radiation Tolerant



Allied Market Research February 2024

Shared defense customer ecosystem supports APU commercialization

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KEY MILESTONES: Q2 FY2027 AND BEYOND

ADVANCING GEMINI-II COMMERCIALIZATION AND PLATO DEVELOPMENT

Program	Current Status	Next Milestone*
Smart Guardian Eye	Phase I complete; Live AI monitoring underway	Complete Phase I; Pursue Phase II proposal
GRINN (AI-Assisted SDK)	Internal alpha testing and validation	Alpha customer Dec. 2026; Commercial release H1 2027
Sentinel Defense POC	GSI deliverables completed	Field demonstration targeted in H1 2027
U.S. Army SBIR	Ruggedize edge AI node with Gemini-II	Finalize development and testing
Plato APU	Chip design underway	Tape out target: March 2027 Initial sampling expected late summer 2027
Strategic Partnerships	Engaging potential strategic partners	Pursue agreements to expand market reach

*Milestones are targets, subject to development progress, partner participation and government procurement decisions.

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GSI TECHNOLOGY

GSI TECHNOLOGY

High Performance Components
for Leading-Edge Technology

GSITechnology.com / *IR Contact: GSIT@HaydenIR.com*

APPENDIX

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ACCESSING DoW SBIRs & GOVERNMENT FUNDS

OFFSETTING R&D EXPENSES & CREATING APU AWARENESS WITHIN DoW AGENCIES

GSI awarded over $6 million of SBIR* funds to date

- $2 million Phase II with U.S. Army to develop & test ruggedized edge AI platform
- POC with G2 Tech along with DoW and a foreign defense agency valued at ~$1 million
- Space Development Agency Phase II SBIR valued at $751,000
- $1.25 million Space Development Agency Phase II SBIR
- $1.1 million Air Force Phase II SBIR
- $250K U.S. Army Phase I SBIR

Future DoW opportunities

- Phase 1 SBIR with Air Force worth $75K
- Additional SBIR proposals in queue for a total pipeline value of $6−$10 million

Pursuing new, larger DoW funding sources—AFWERX STRATFI/TACFI** programs for Gemini-II and Plato

Strategic funding from partnerships with potential customers

*SBIR – Small Business Innovation Research is a United States government program to stimulate technological innovation by funding small businesses to engage in federal R&D with the potential for commercialization. The DoW is one of the largest participants in the SBIR program.
** AFWERX is the innovation arm of the US Air Force, leveraging technology from military as well as private industry, academia and other government agencies.

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APU PLATFORM & ROADMAP

Chip Launch Timing	2015–2026	CY 2026	CY2027
APU Roadmap	Gemini-I (28 nm)	Gemini-II (16 nm)	Plato (12 nm)
Target Applications	DB Index Builds SAR Fast Vector Search	Edge Search SAR “On-board” Computer Vision Multimodal LLMs HPC/Data Search	Edge AI, including: Multimodal GenAI/LLMs Computer Vision for • Drones • Automotive • Surveillance • Robotics
Libraries	Search Library (GSL) Vector Math	Radar Library (GRL) Vector Math Tensor Math	
Frameworks	C	Python	TensorFlow

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EXPERIENCED MANAGEMENT TEAM

Name	Title	Years of Experience	Years with GSI	Prior Companies
Lee-Lean Shu	Chairman and CEO	47	30	Sony, AMD
Doug Schirle	Chief Financial Officer	47	26	Cypress, Pericom
Didier Lasserre	VP Sales and IR	38	29	Cypress, Solectron
Avidan Akerib	VP of Associative Computing	45	10	MikaMonu, NeoMagic
Patrick Chaung	SR VP of Memory Design	51	16	Sony, AMD
Bor-Tay Wu	VP of Taiwan Operations	45	29	Atalent, AMD

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INCOME STATEMENT

CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(in thousands, except per share data)
(Unaudited)

	Three Months Ended		
	Sept. 30, 2026	June 30, 2026	Sept. 30, 2025
Net revenues	**$6,019**	**$6,312**	**$6,444**
Cost of goods sold	3,101	2,943	2,911
Gross profit	**2,918**	**3,369**	**3,533**
Operating expenses:			
Research & development	6,048	5,899	3,768
Selling, general and administrative	4,305	2,855	2,952
Total operating expenses	**10,353**	**8,754**	**6,720**
Operating loss	**(7,435)**	**(5,385)**	**(3,187)**
Interest and other income, net	569	517	43
Loss before income taxes	**(6,866)**	**(4,868)**	**(3,144)**
Provision (benefit) for income taxes	155	(76)	41
Net loss	**($7,021)**	**($4,792)**	**($3,185)**
Net loss per share, basic	**($0.18)**	**($0.13)**	**($0.11)**
Net loss per share, diluted	**($0.18)**	**($0.13)**	**($0.11)**
Weighted-average shares used in computing per share amounts:			
Basic	38,460	37,346	29,630
Diluted	38,460	37,346	29,630

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SUMMARY BALANCE SHEET

CONDENSED CONSOLIDATED BALANCE SHEETS
(in thousands)
(Unaudited)

	Sept. 30, 2026	March 31, 2026
Cash and cash equivalents	**$69,188**	**$67,212**
Accounts receivable	3,620	4,237
Inventory	4,642	4,079
Other current assets	4,506	3,659
Net property and equipment	1,733	883
Operating lease right-of-use assets	8,233	8,264
Other assets	9,544	9,619
Total assets	**$101,466**	**$97,953**
Current liabilities	**$8,199**	**$9,196**
Long-term liabilities	**7,046**	**6,996**
Stockholders' equity	**86,221**	**81,761**
Total liabilities and stockholders' equity	**$101,466**	**$97,953**

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