

PENGUIN SOLUTIONS

Rosenblatt Securities Technology Summit: The Age of AI Scaling

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Forward-Looking Statements

This presentation and any oral communications made during the course of this presentation contain statements that constitute forward-looking statements regarding SMART Global Holdings, Inc.'s (the "Company") strategy, our expectations regarding market trends and addressable markets and our prospects and future operating results. Many of these forward-looking statements can be identified by the use of forward-looking words such as "anticipate," "believe," "could," "expect," "should," "plan," "intend," "estimate" and "potential," among others. Forward-looking statements include, but are not limited to, statements regarding the Company's intent, belief or current expectations. Forward-looking statements are based on management's beliefs and assumptions and on information currently available to management. Such statements are subject to risks and uncertainties, and actual results may differ materially from those expressed or implied in forward-looking statements due to various factors, including, but not limited to, those relating to the following: the impact of inflation, and measures taken to curb inflation, on our financial condition, liquidity and results of operations; business and economic conditions and growth trends in the technology industry, our customer markets and various geographic regions; global economic conditions and uncertainties in the geopolitical environment; disruptions in our operations or in global markets as a result of the outbreak of COVID-19; trade regulations and relations; the success of our strategic initiatives including additional investments in new products, additional capacity and acquisitions; deterioration in or loss of relations with any of our key vendors; changes in the availability of supply of materials or components; the inability of Penguin Computing to obtain and retain security clearances to expand its government business; other factors that may affect the Company's financial condition, liquidity and results of operations; and other risk factors discussed under the caption "Risk Factors" in our current filings with the SEC.

Such factors and risks as outlined above and in such filings may not constitute all factors and risks that could cause actual results of the Company to be materially different from the historical results and/or from any future results or outcomes expressed or implied by such forward-looking statements. The Company and its subsidiaries operate in a continually changing business environment and new factors emerge from time to time. The Company cannot predict such factors, nor can it assess the impact, if any, from such factors on the Company or its subsidiaries' results. Accordingly, investors are cautioned not to place undue reliance on any forward-looking

statements. Forward-looking statements should not be relied upon as a prediction of actual results.

Forward-looking statements speak only as of the date they are made, and the Company does not undertake any obligation to update them in light of new information or future developments or to release publicly any revisions to these statements in order to reflect later events or circumstances or to reflect the occurrence of unanticipated events, except as otherwise required by the rules and regulations of the SEC.

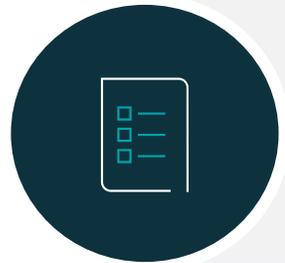
Certain information included in this presentation was obtained from third parties and has not been independently verified by the Company.

— SGH Value Creation Strategy



Growth and Diversification

Enabling growth-oriented companies to solve customers' advanced technology problems



Operating Excellence

Leveraging the SGH operating system and acquisition framework to create long-term value



Value Creation

Delivering value to our customers, suppliers, shareholders, and employees

Our Global Footprint

Manufacturing locations in the USA, Brazil, China, and Malaysia, along with sales, design, research and development, and logistics operations in other countries, provide the agility and resilience needed to deliver purposeful solutions that are built to last.



Our Lines of Business

Each of our business lines designs and manufactures technologies that support and advance the world.



Intelligent Platform Solutions

Accelerating our customers' digital transformation by harnessing the power of emerging technologies in HPC, AI, and IoT with solutions and services that span the continuum of edge, core, and cloud.



Memory Solutions

Enabling high performance computing through design, development, and advanced packaging of memory and storage technologies.



LED Solutions

Providing application-optimized LED products for general lighting, video screens and specialty lighting applications.



Intelligent Platform Solutions (IPS) Offerings

IPS Offerings Across the Continuum of Edge, Core, and Cloud



Embedded and Rugged Edge

Edge

Key Capabilities

- Application-specific embedded platforms for near and far edge
- Solutions for industrial and consumer applications (IOT)

Key Differentiators

- Deep industry experience
- Custom and rugged design capabilities
- Full software and solution integration
- US Manufacturing



HPC and AI Solutions

Core

Key Capabilities

- Complete design services
- Data center optimized solutions for HPC & AI
- Managed & professional services
- Software portfolio for deployment, provisioning and cloud integration

Key Differentiators

- Deep industry domain expertise
- Flexible and agile end-to-end design model
- Single point of ownership
- Managed services



Cloud Solutions

Cloud

Key Capabilities

- HPC and AI cloud integration services (Private, Public)
- Cloud-native workload portability tools
- Data gravity solutions

Key Differentiators

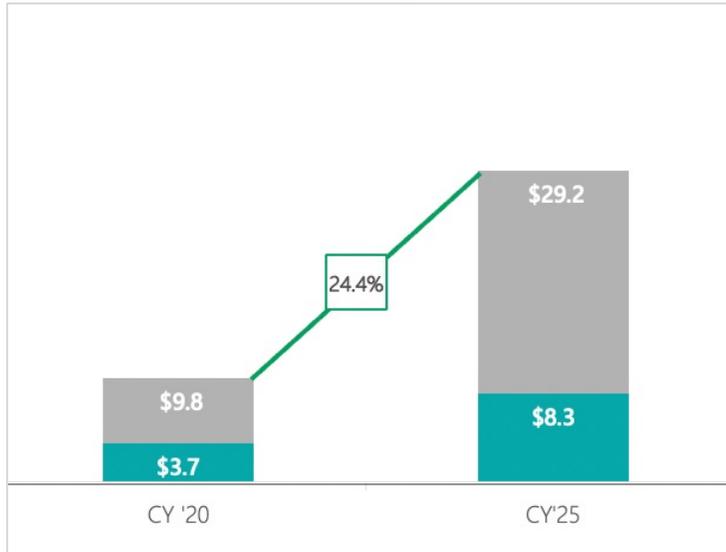
- True Cloud HPC and AI optimized platform (POD)
- Ease of deployment and operation
- Hybrid HPC/AI cloud offering

Program "Unity"

IPS Market Overview – TAM and SAM

Edge

Extension of data center for improved user experience and faster insight

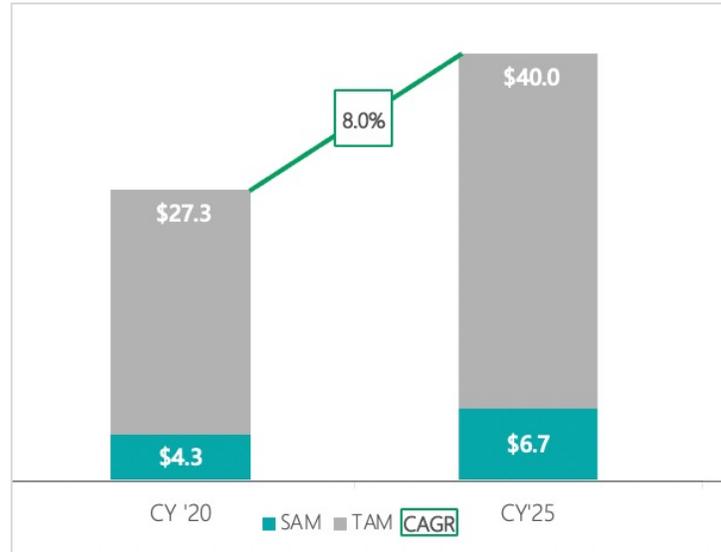


Edge SAM

- Military Electronics – VME and ATCA Products
- Edge Computing – Qualcomm ARM-based SOM
- Video Analytics

Core

HPC and AI growth in the Enterprise



Core and Cloud SAM

- North America
- HPC and AI
- Financial, Energy, Federal
- Public Cloud, Hybrid Cloud, On-prem AAS

Cloud

Integration, Repatriation, Hybrid/Multi-Cloud



How IPS Will Succeed – Our Mission and Vision

Our Mission

To accelerate and amplify our customers' success by helping them leverage the power of technology

Our Vision

To expand our reach as a leading technology partner—within our markets and across the continuum of edge, core, cloud

Lead with Solutions

Expand Our Software

Deliver with Flexibility

Empower Our Team

Our Operating Principles



Customer
Focused



Innovative
Solutions



End-to-End
Collaborative Mindset



Agile and Quick
to Market



Continuous
Learning

Solutions Spotlight

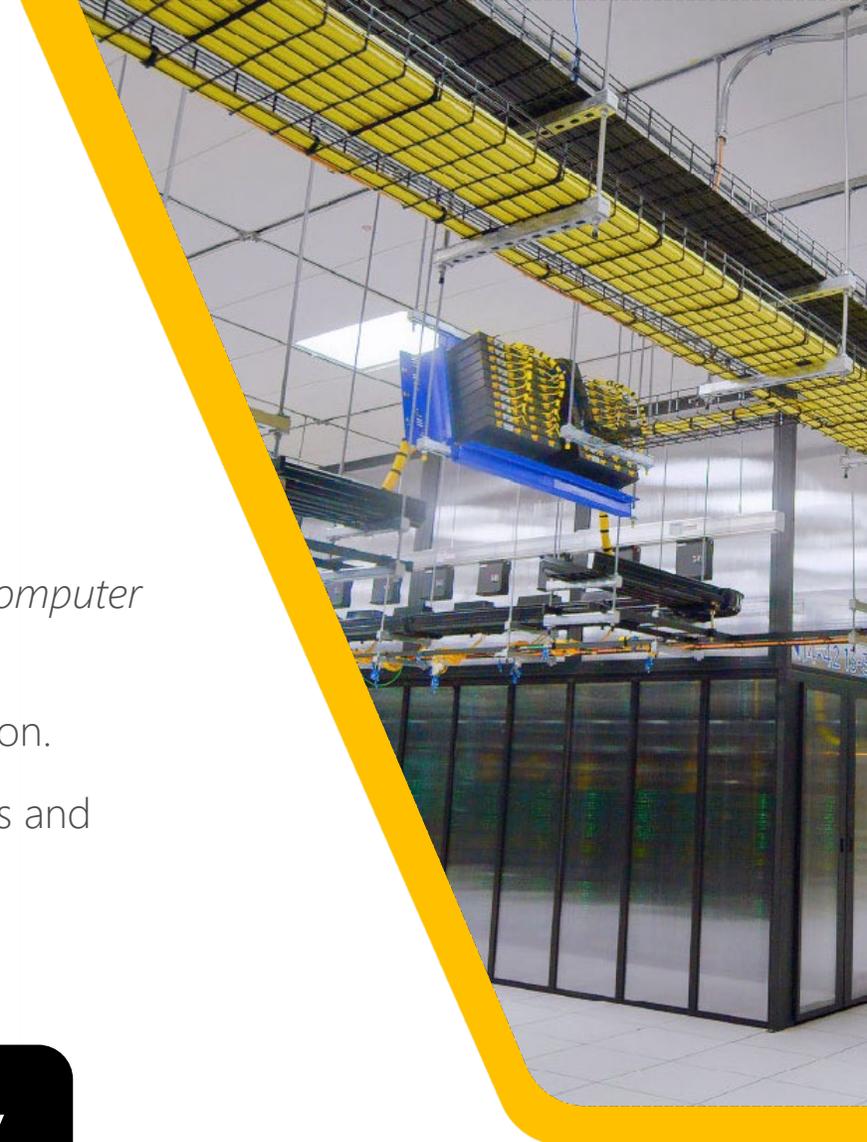
Penguin Computing continues to partner with Meta to provide an entire lifecycle of AI-optimized capabilities for the Research SuperCluster (RSC) – Meta’s cutting-edge supercomputer for AI Research.

- Partnership established in 2017 with Facebook FAIR, Meta’s first AI infrastructure
- *“Among the fastest AI supercomputers running today and will be the fastest AI supercomputer in the world when it’s fully built out in mid-2022.” – Meta [Blog](#) (1/24/22)*
- Collaborated with NVIDIA and Pure Storage to supply Meta with an optimized solution.
- Architectural design, manufacturing, integration, installation, DevOps, and operations and managed services
- The RSC partnership is enabling Meta to lay the groundwork for the Metaverse.

AI and Analytics
Technology Practice

Data
Technology Practice

HPC Technology
Practice



Solutions Spotlight

Major Federal Systems Integrator

Penguin Computing architected and managed a corporate private hybrid-cloud environment enabling a major federal systems integrator to support their HPC and AI needs across more than 5 business areas.

- 2,000 nodes – on pace to reach more than 4,000 nodes by end of 2022
- Over 7 petabytes of storage
- Environment Growth over 2.5 Years
 - Compute growth – 20x in HPC, 2x in AI/ML
 - 9x growth in Data
 - Exponential growth in users

HPC Technology
Practice

AI and Analytics
Technology Practice

Cloud Technology
Practice

Data
Technology Practice



Penguin Solutions Highlights



"... bringing more intelligence to the edge *should be a breeze with all of the integrated capabilities of kits like the **Penguin Edge 6403 HDK***"



According to Hyperion Research, Penguin Computing was the **fastest-growing WW HPC/AI vendor in 2021 with >30% share gain**, moving up two spots to #8



META blog and related news coverage shared the details of the **largest AI supercluster deployed** in partnership with NVidia, Pure Storage, and Penguin Computing



Penguin Computing currently has **six systems on the Top 500 List** of the most powerful supercomputers in the world



THANK YOU!

Questions?

POWERING GROWTH.
EXPANDING POSSIBILITIES.