Trusted, Open, Sovereign: The New Foundation for Enterprise AI

Anders Huge, Public Sector and Innovation Center Lead

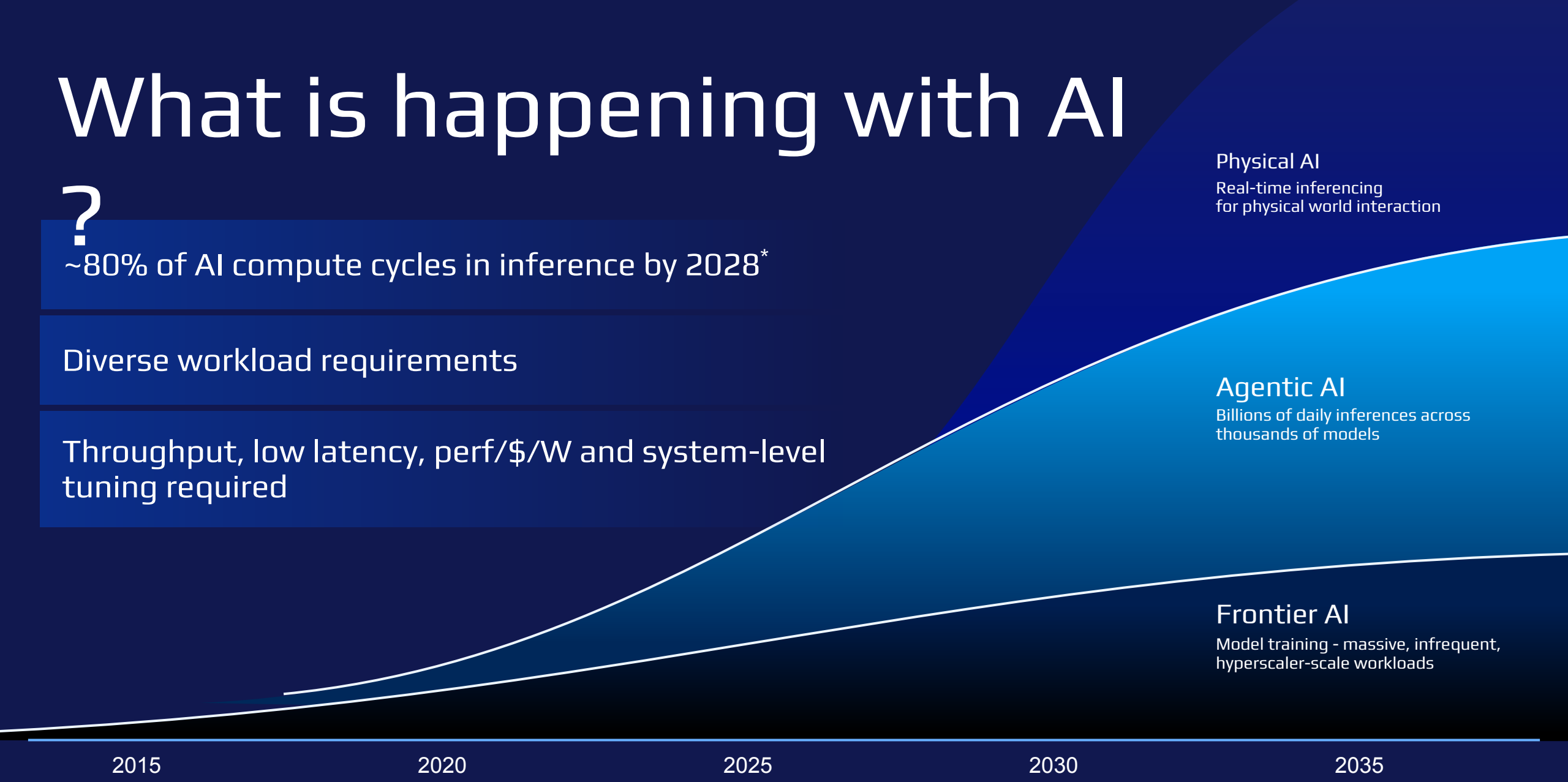
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What is happening with AI ?

~80% of AI compute cycles in inference by 2028*

Diverse workload requirements

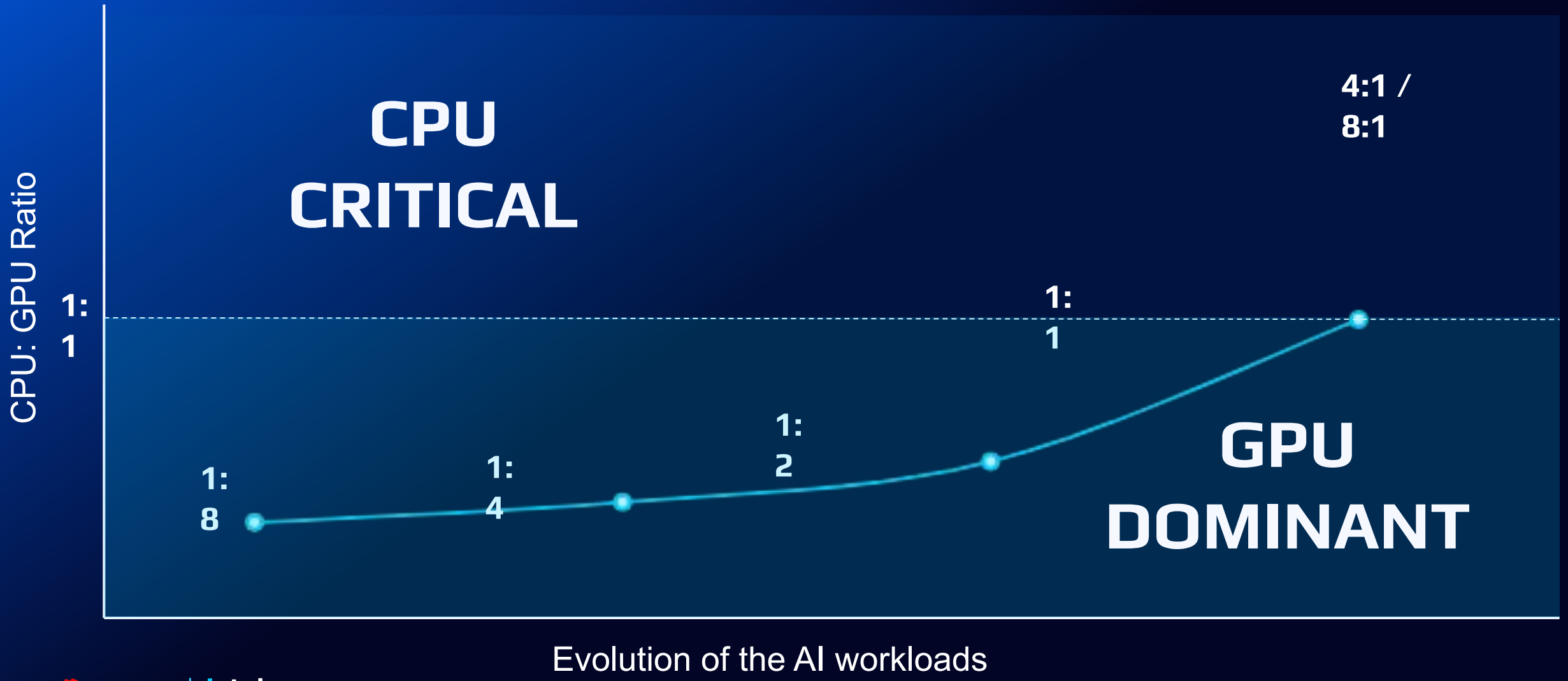
Throughput, low latency, perf/$/W and system-level tuning required



*Source: Gartner, published 08/2024

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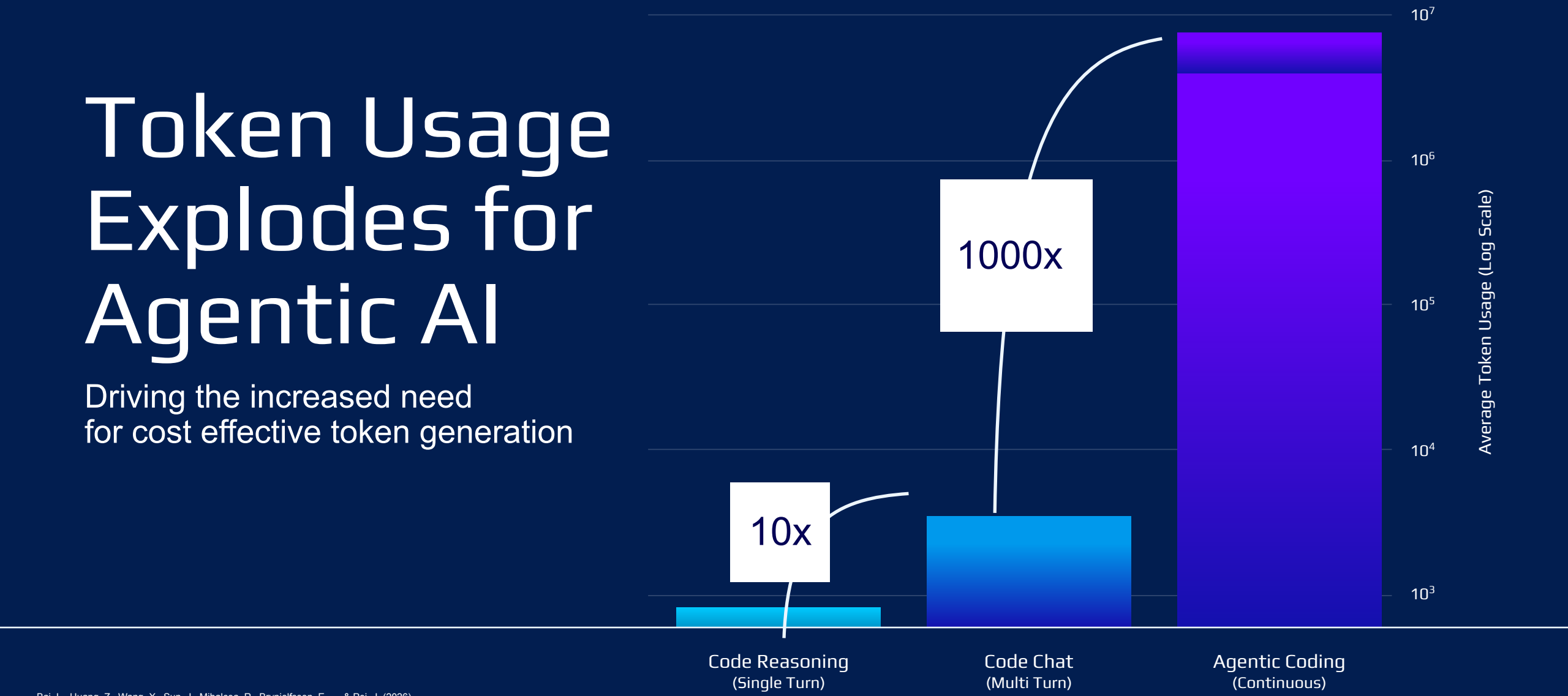
For Agentic AI the CPU runs the show



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Token Usage Explodes for Agentic AI

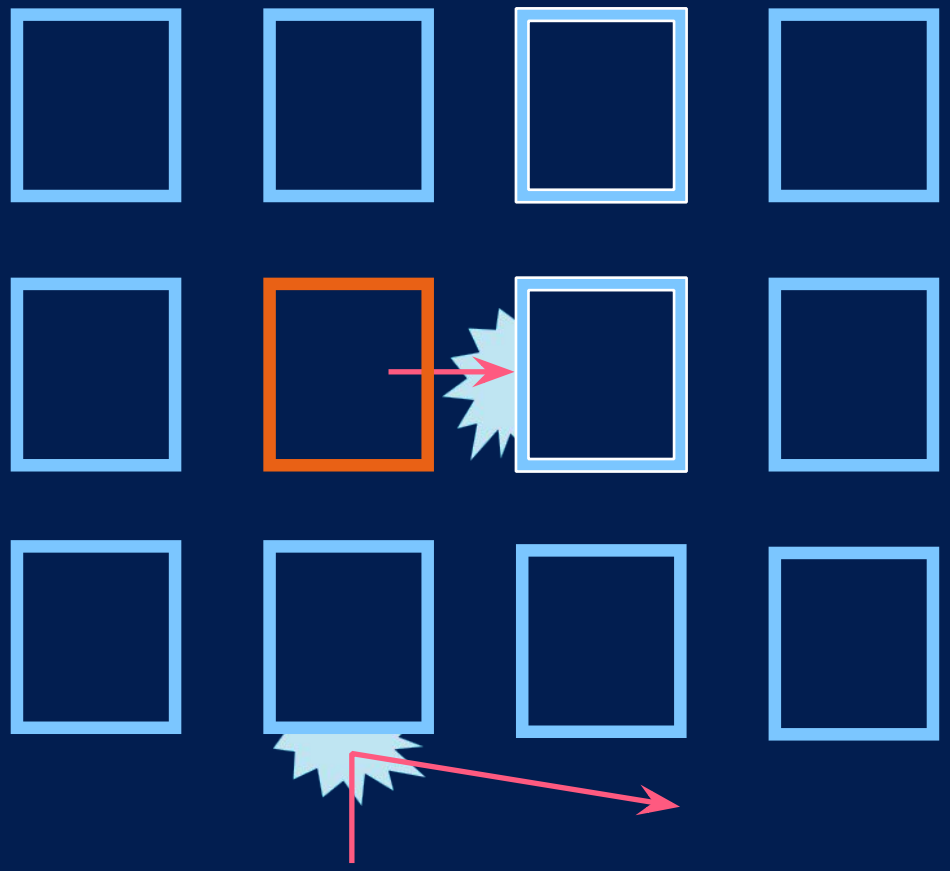
Driving the increased need
for cost effective token generation



Bai, L., Huang, Z., Wang, X., Sun, J., Mihalcea, R., Brynjolfsson, E., ... & Pei, J. (2026).
How Do AI Agents Spend Your Money? Analyzing and Predicting Token Consumption in Agentic Coding Tasks. arXiv preprint arXiv:2604.22750.

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Confidential Computing for Agentic AI



Unauthorized users or admins, Outside software, Other agents

Deploying agents inside Confidential Containers (CoCo) with Intel® TDX

- Protects agent integrity from outside actors or software
- Reinforces access control
- Supports agents' data confidentiality, privacy, and sovereignty
- Scales as agent fleet grows

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We Design with Security in Mind

Intel rates
#1
in Security Assurance[1]

Intel found
96%
of disclosed issues through proactive product security[2]

Intel provided mitigations for
100%
of product SKUs. Intel's competitor left 78 product SKUs unpatched*[2]

Intel's closest competitor had
7x more
firmware vulnerabilities in hardware root-of-trust than Intel[2]

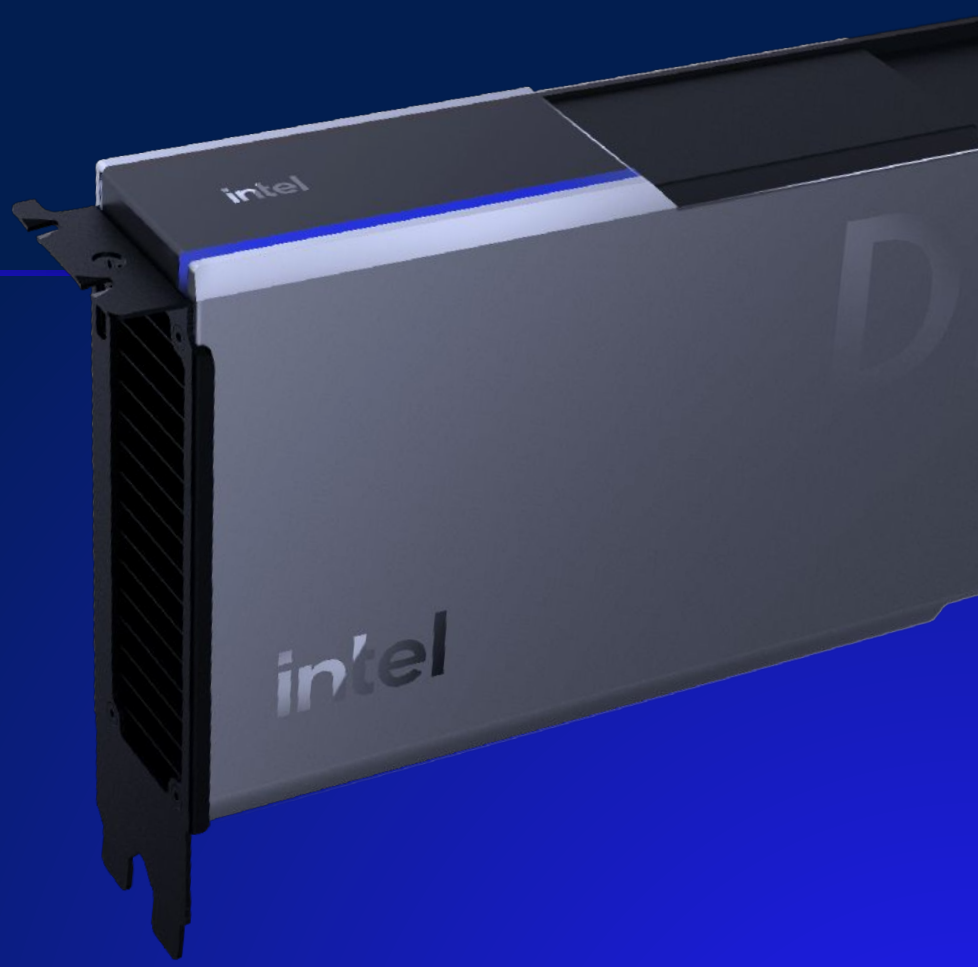
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1. "Embracing Security as a Core Component of the Tech You Buy," *ABI Research*, 2024, Commissioned by Intel; 2. Intel Product Security Report – 2024 Edition ; 3. MITRE Blog: Intel AI PCs Deliver an Industry Validated Defense vs Real World Attacks.

INTEL® GPU D-SERIES

CODENAMED

Crescent Island



Designed for tokens/watt, built on a reliable open software stack

BUILT FOR AGENTIC AI

1311/26

22

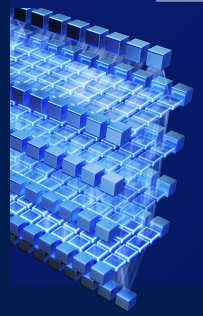
TFLOPs

FP8/MxFP4

32

Xe Cores

Xe 3P GPU IP



256

XMX engines

16

deep systolic

Xe Matrix Extensions (XMX)

LARGE CONTEXT CAPACITY

1.5TB/s

Memory bandwidth

Up to

480GB*

LPDDR5x

LOW-POWER FAMILIAR FORM

350W

Air-cooled PCIe

OPEN SOFTWARE STACK

Day 0

Functionality

*Intel branded PCIe card has 160GB LPDDR5x; design enables partners to build ODM branded cards with flexible options up to 480GB memory.

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Key Takeaways

The CPU is the Agentic AI Engine!

Security Starts at the Silicon!

The Open Ecosystem is King!



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