Except for the historical information contained herein, certain matters in this presentation are forward-looking statements. These forward-looking statements and any other forward-looking statements that go beyond historical facts that are made in this presentation are subject to risks and uncertainties that may cause actual results to differ materially. Important factors that could cause actual results to differ materially include: global economic conditions; NVIDIA's reliance on third parties to manufacture, assemble, package and test NVIDIA's products; the impact of technological development and competition; development of new products and technologies or enhancements to NVIDIA's existing product and technologies; market acceptance of NVIDIA's products or NVIDIA's partners' products; design, manufacturing or software defects; changes in consumer preferences and demands; changes in industry standards and interfaces; unexpected loss of performance of NVIDIA's products or technologies when integrated into systems and other factors.

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Many of the products and features described herein remain in various stages and will be offered on a when-and-if-available basis. The statements within are not intended to be, and should not be interpreted as a commitment, promise, or legal obligation, and the development, release, and timing of any features or functionalities described for our products is subject to change and remains at the sole discretion of NVIDIA. NVIDIA will have no liability for failure to deliver or delay in the delivery of any of the products, features or functions set forth herein.







Footprint-Al Making machine learning for everyone























































aetina





AVerMedia





Coretronic

DeepMentor

Q DeepRad.Al



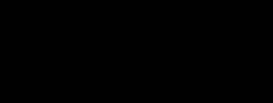


























Vecow



















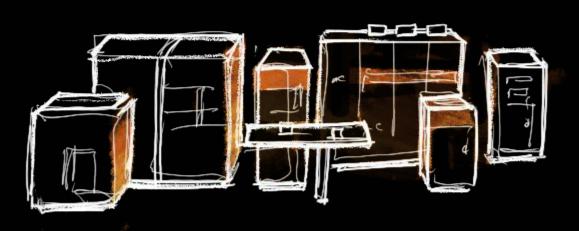
Wwiwynn[®]

YUAN

HAN ZE UNIVERSI







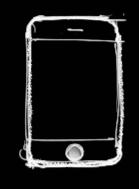
1964 IBM S/360

新的運算時代正在開始 A NEW COMPUTING AGE IS STARTING

1995 WINDOWS 95 PENTIUM







2007

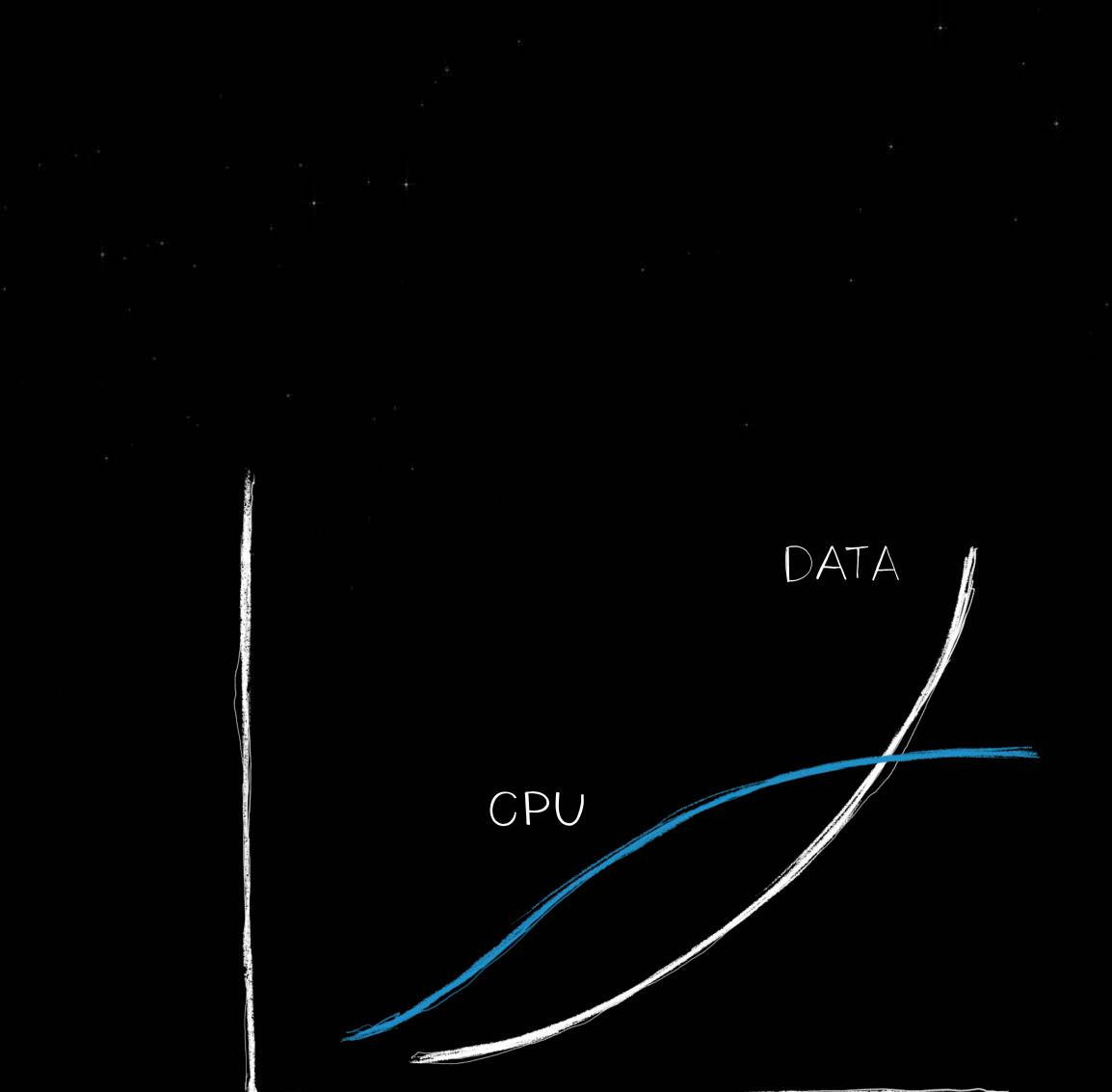
IPHONE





2007 INTERNET MOBILE CLOUD

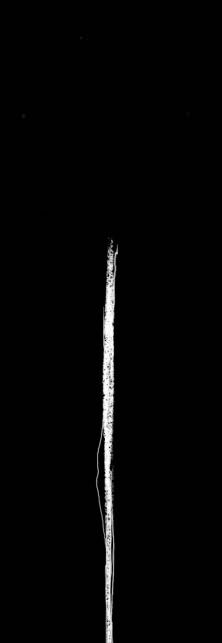


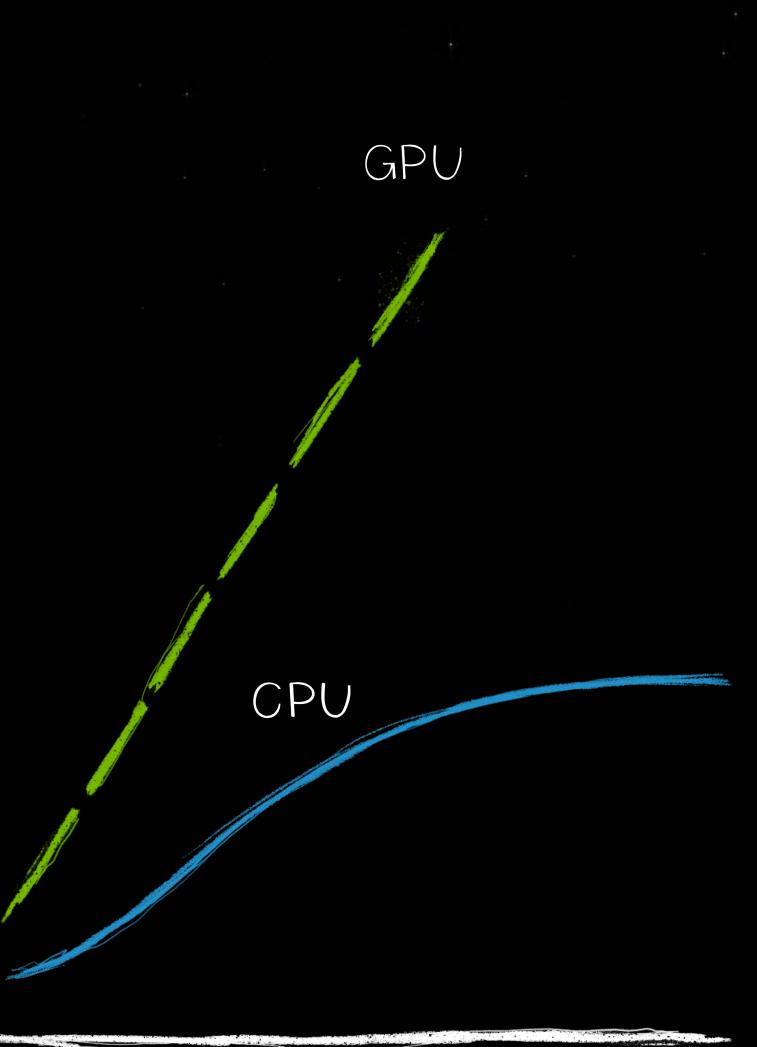


CPU SCALING SLOWS

...AND COMPUTE DEMAND GROWS EXPONENTIALLY

加速每個應用程式 ACCELERATE EVERY APPLICATION



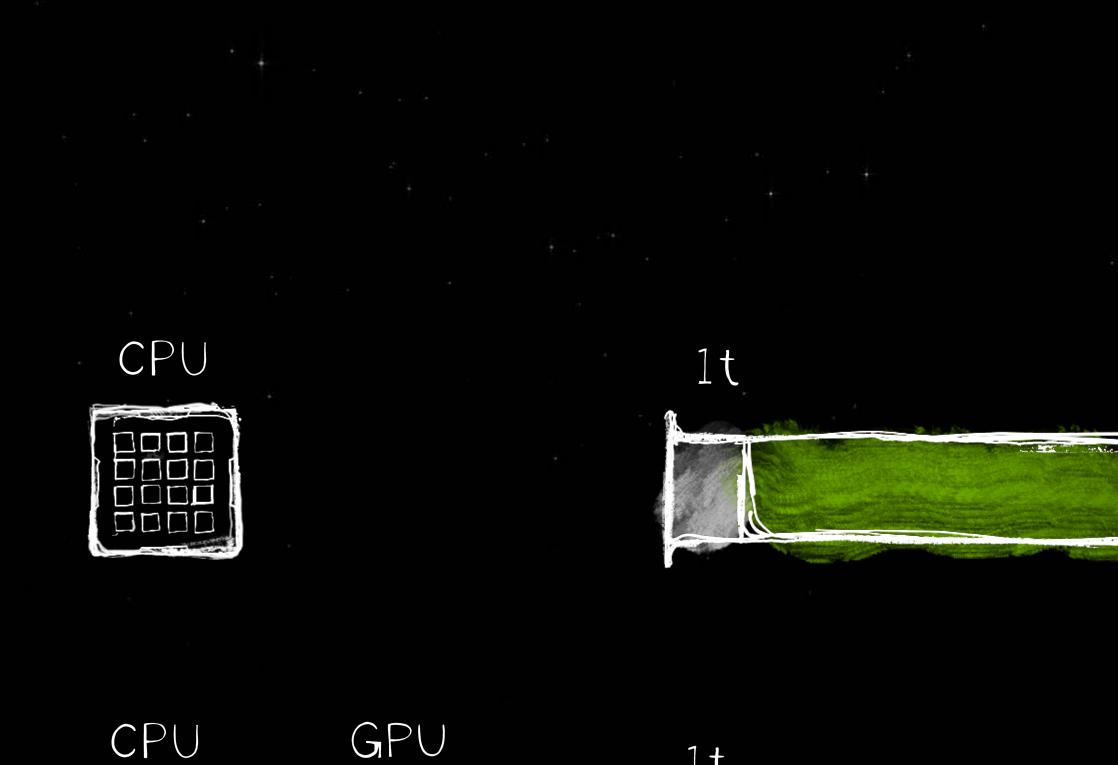


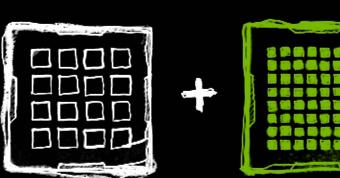
GPU-ACCELERATED COMPUTING

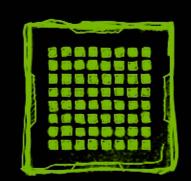
2006 $C \cup D A$













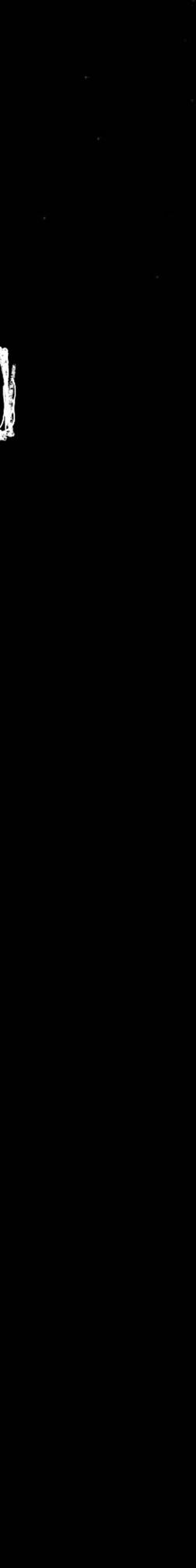
= -100X SPEED-UP ∽3X POWER ~1.5X COST

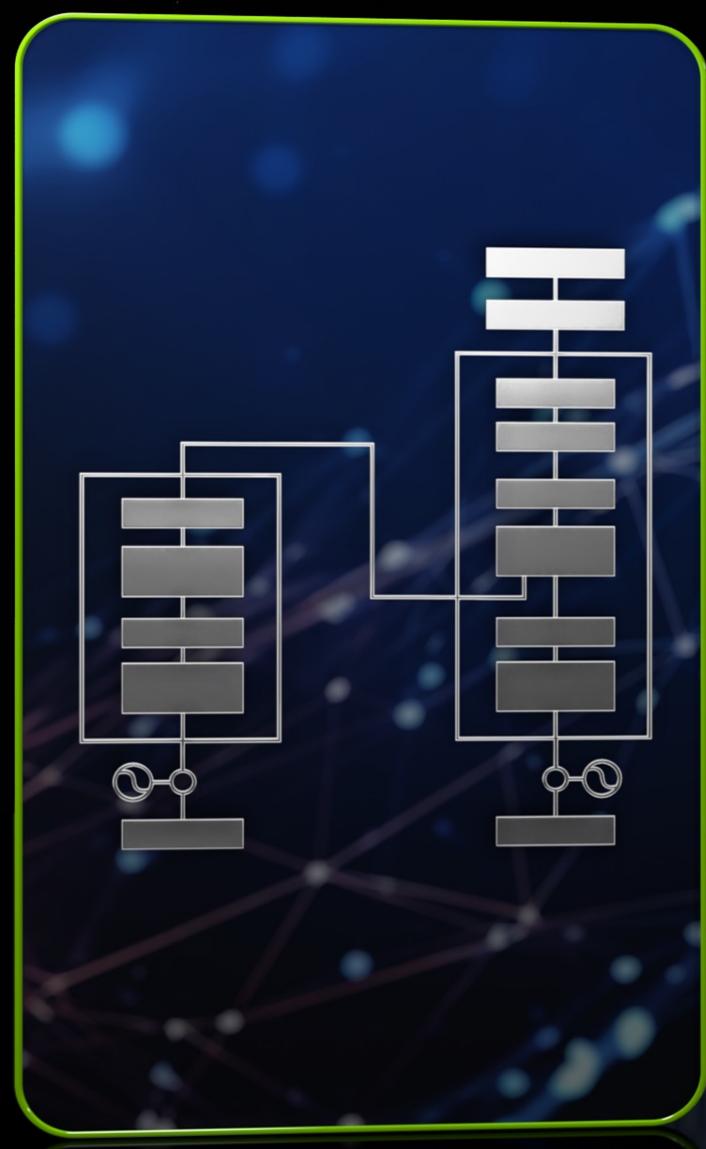
買越多…省越多 "THE MOREYOU BUY... THE MOREYOU SAVE"

30X PERF/W OR 97% SAVINGS

60X PERF/\$ OR 98% SAVINGS

100t





cuDNN

Deep Learning

NVIDIA CUDA 函式庫開拓新市場 NVIDIA CUDA LIBRARIES OPEN NEW MARKETS

AI Physics

Modulus

Al Radio

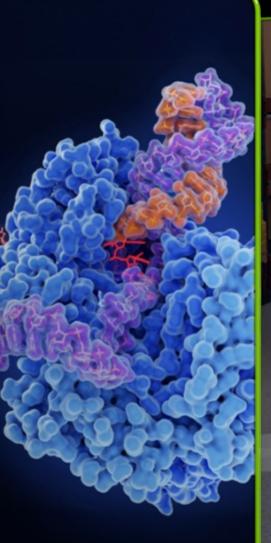
Aerial RAN

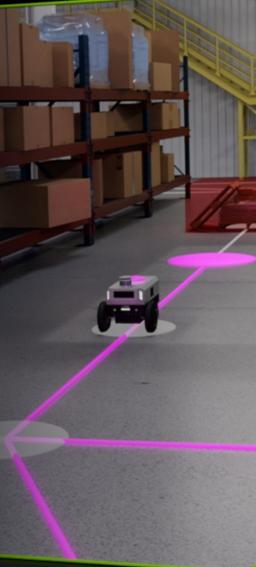
Computational . Lithography

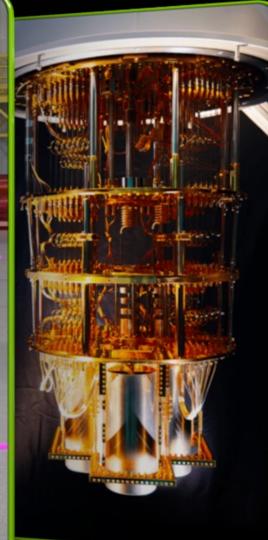
cuLITHO













Parabricks

Gene Sequencing

cuOPT

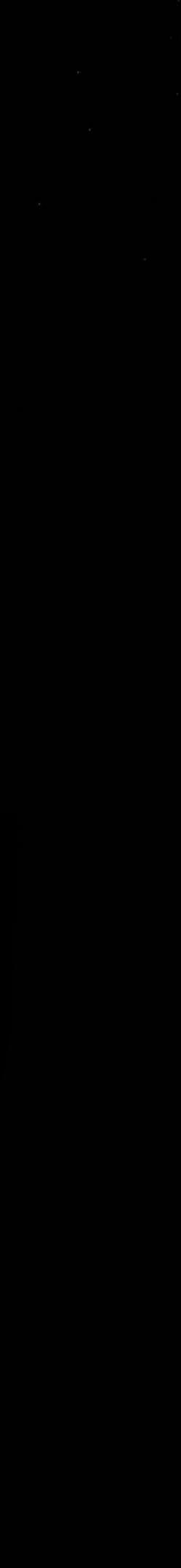
Combinatorial Optimization

cuQUANTUM

QC Simulation

cuDF

Data Processing

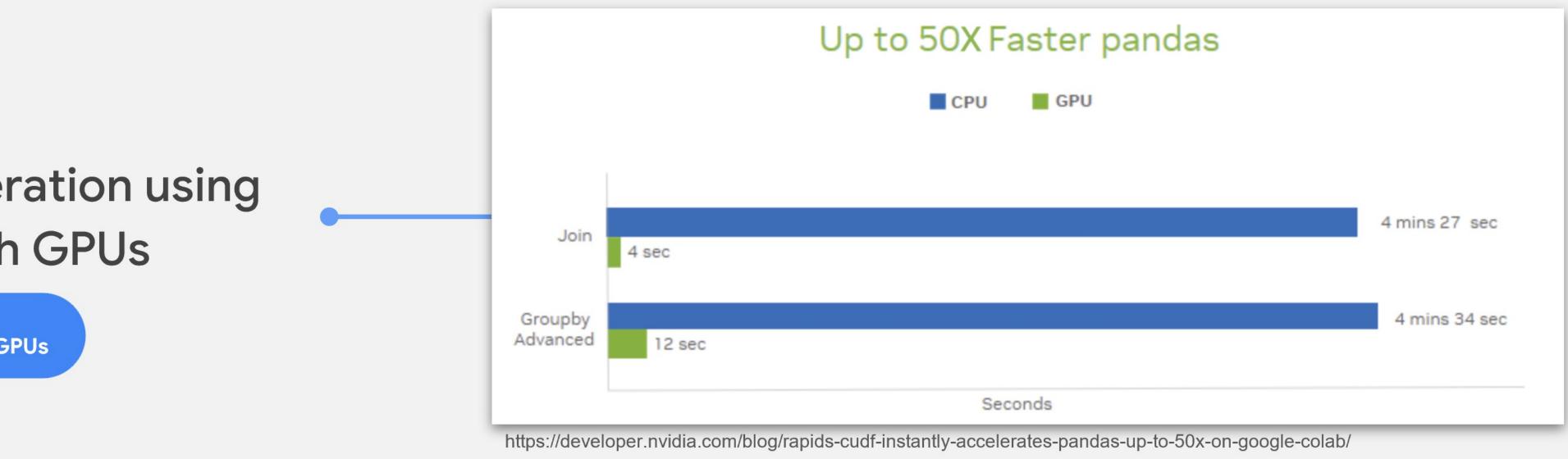


Up to 50X acceleration using **RAPIDs cuDF with GPUs**

G2 VMs **NVIDIA L4 Tensor Core GPUs**

Google Cloud

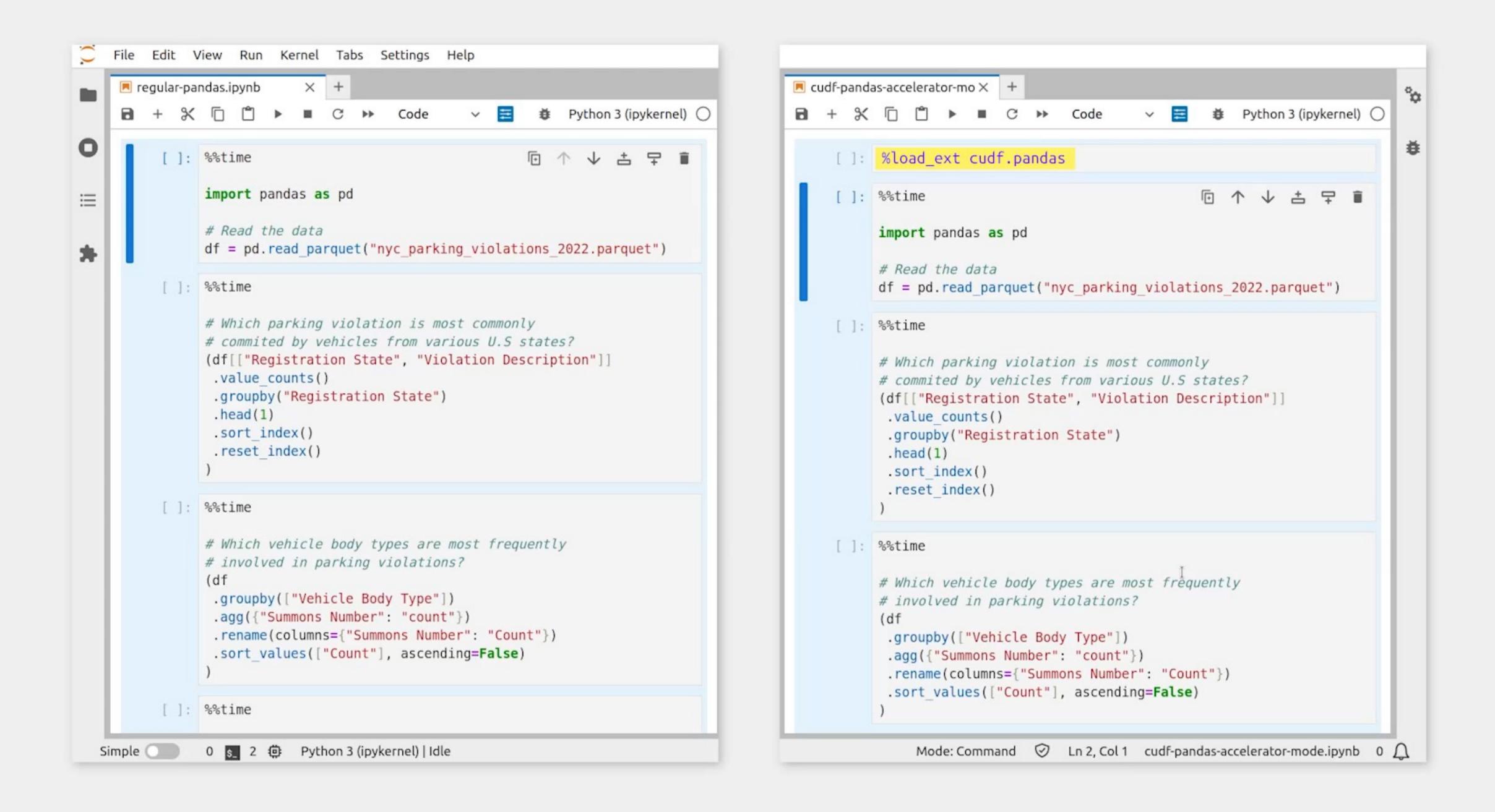




NVIDIA 宣佈推出 GOOGLE COLAB 中的 PANDAS-CUDF NVIDIA ANNOUNCES PANDAS-CUDF IN GOOGLE COLAB

Google Cloud

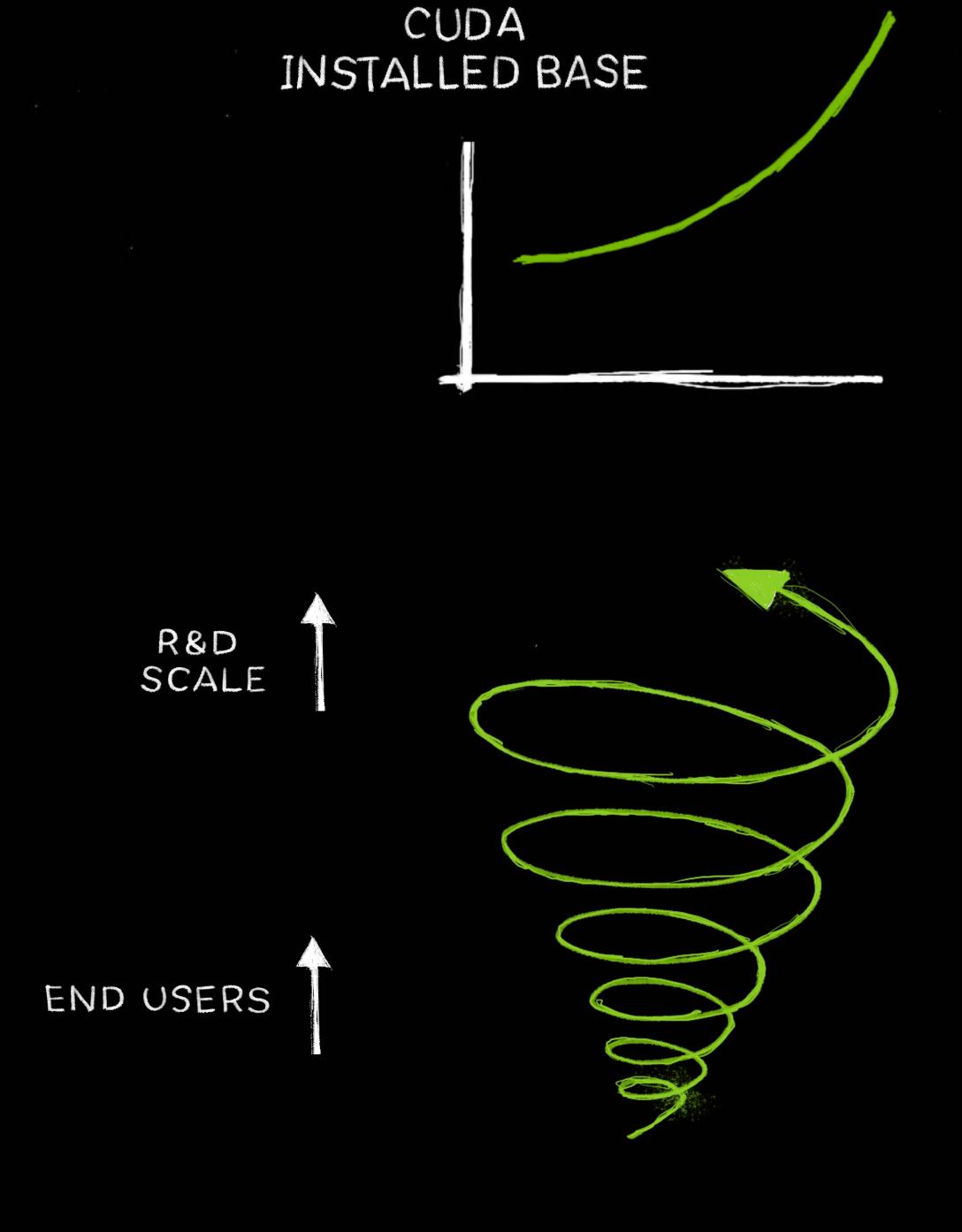






CUDA 實現良性循環 CUDA ACHIEVES VIRTUOUS CYCLE

BIG SPEED-UP



BIGGER SPEED-UP

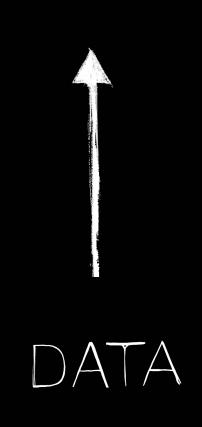
CSPS & OEMS

DEVELOPERS & APPLICATIONS

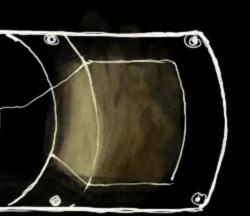




2012 ALEXNET "FIRST CONTACT"

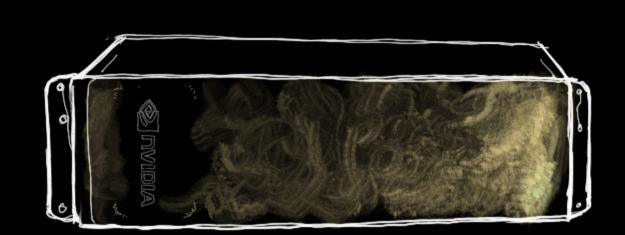




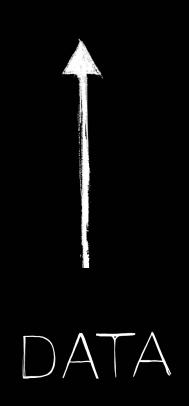














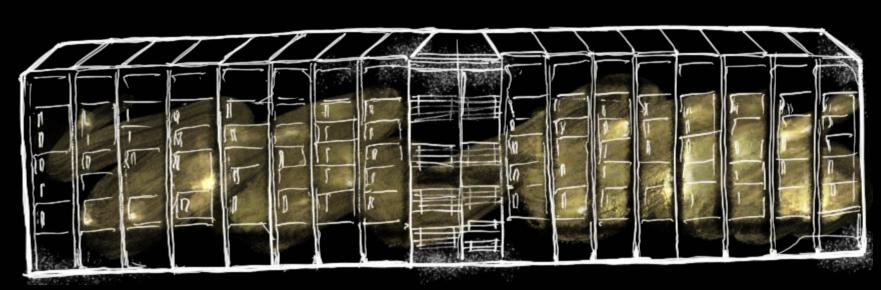
TRANSFORMER





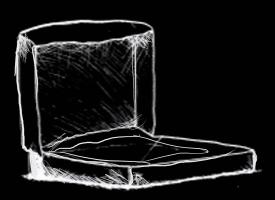
LLM Large Language Model

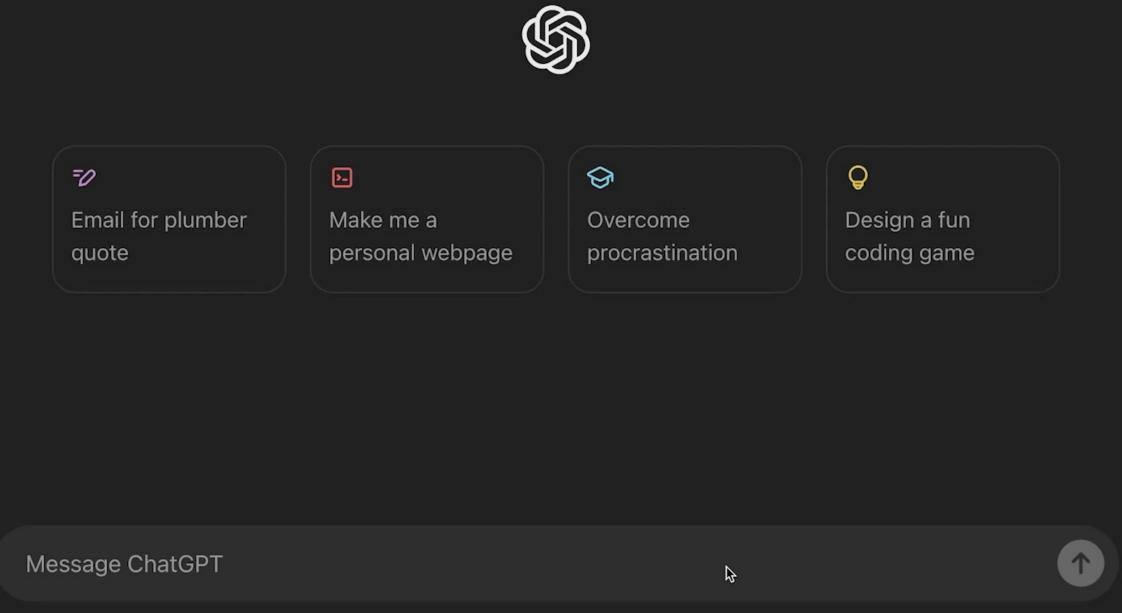
2023 "THE BIG BANG OF AI"





ChatGPT 3.5 $\,{\scriptstyle \checkmark}\,$

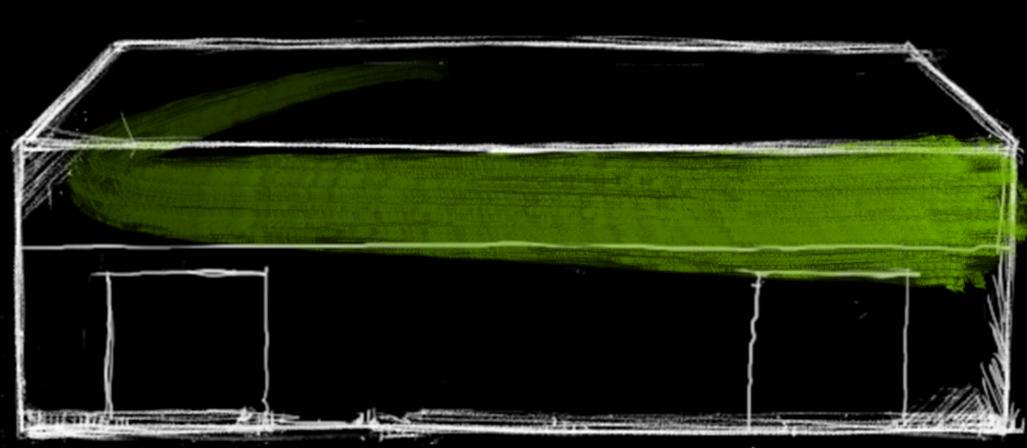




ChatGPT can make mistakes. Check important info.

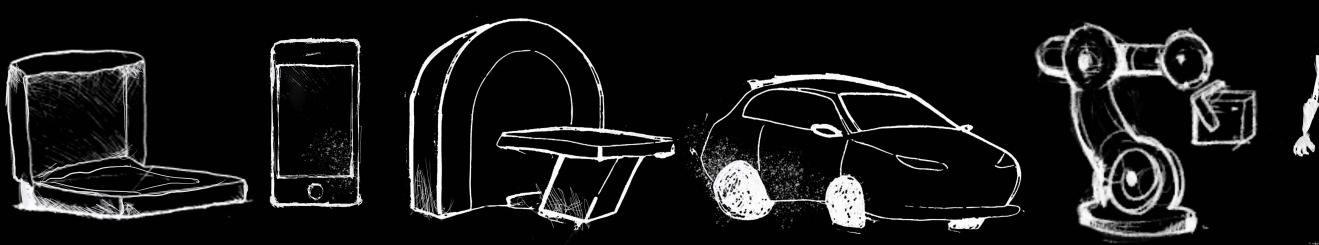


AI FACTORY

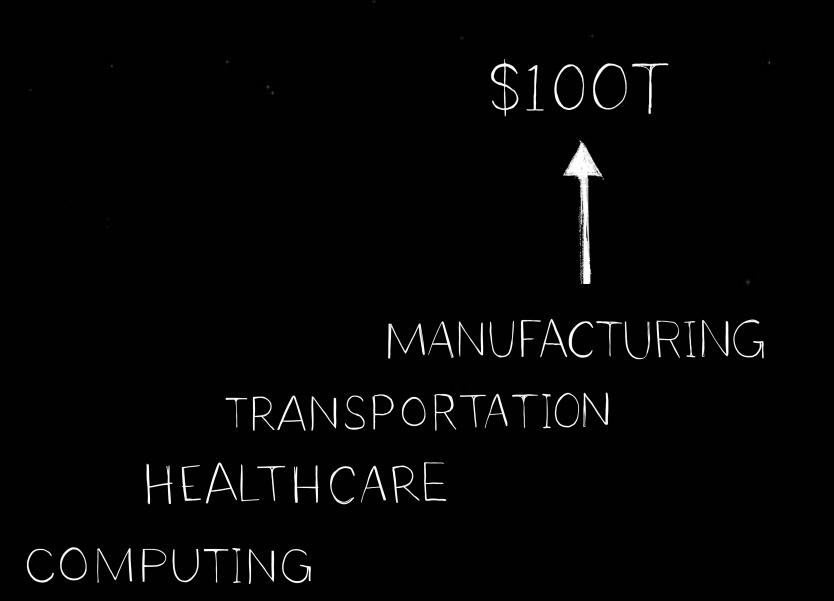


"A NEW INDUSTRIAL REVOLUTION"





新產業革命

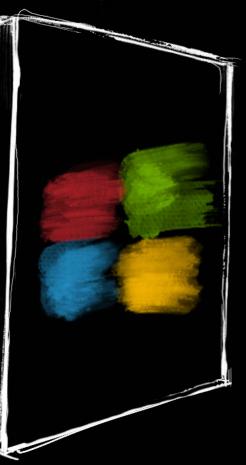


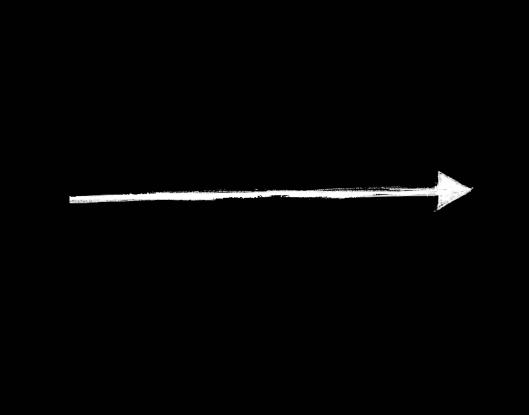


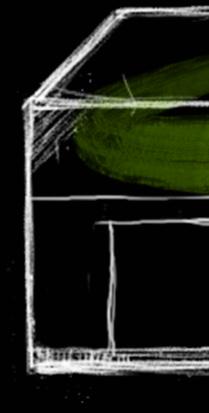




SOFTWARE FACTORY







TOOLS

RETRIEVAL

INSTRUCTIONS

CPU

生成式人工智慧推動全棧重塑 GENERATIVE AI DRIVES FULL STACK REINVENTION

GPU

GENERATIVE

AIFACTORY

LLMS

SKILLS





NVIDIA INFERENCE MICROSERVICE

Pre-Trained AI Models Packaged and Optimized to Run Across CUDA Installed Base

Industry-Standard APIs

Text, Speech, Image, Video Biology

Triton Inference Server

cuDF, CV-CUDA, DALI, NCCL, Post-Processing Decoder

Cloud-Native Stack

GPU Operator, Network Operator

Enterprise Management

Health Check, Identity, Metrics, Monitoring, Secrets Management

Kubernetes



Installed Base of 100s of Millions of CUDA GPUs

TensorRT-LLM and Triton

cuBLAS, cuDNN, In-Flight Batching, Memory Optimization, FP8 Quantization

Optimized AI Model

Single GPU, Multi-GPU, Multi-Node

Customization Cache

P-Tuning, LoRA, Model Weights

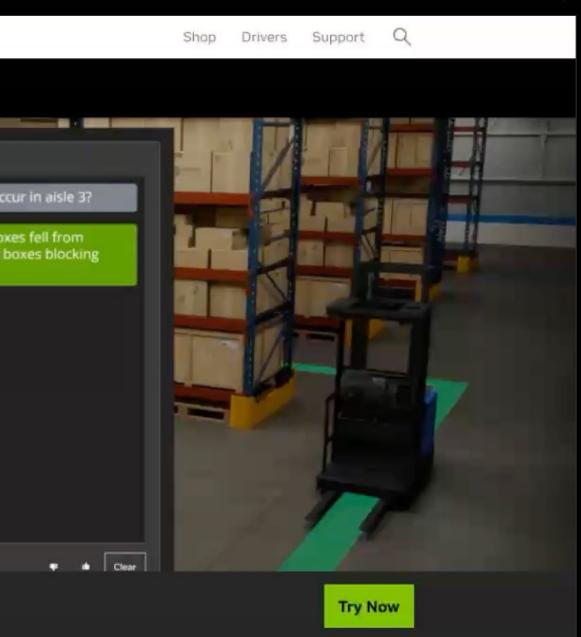
NVIDIA CUDA

TVIDIA, Product Solutions Industries For You	
Artificial Intelligence Industries Solutions - Software -	Products • Resources •
Instantly Run and Deploy Generative Al Explore the latest community-built Al models with APIs optimized and accelerated by NVIDIA, then deploy anywhere with NVIDIA NIM.	Agent Response Did any unusual situation of A shelf collapsed and the boy shelving at 3:30 PM, leaving the the aisle.
Models Integrations Run Anywhere How To Buy Use Cases Ecosystem	Regenerate Resources Docs
<section-header><section-header><image/><image/><image/><image/></section-header></section-header>	PREVIEW google paligemma Language generation (vi
Reset Chat Say something like Write a limerick about the wonders of GPU computing. What can I see at NVIDIA's GPU Technology Conference?	<pre>from openal import 0 client = OpenAI(base_url = "https: api_key = "\$API_KE) completion = client. model="meta/llama3 messages=[{"role": temperature=0.5, top_p=1, max_tokens=1024.</pre>

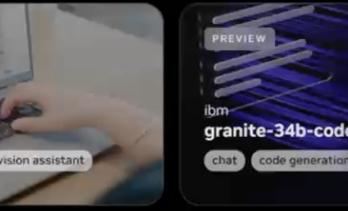
Type text here...

AI.NVIDIA.COM

stream=True



Speech



chat code generatio

Get API Key Copy Code

enAI

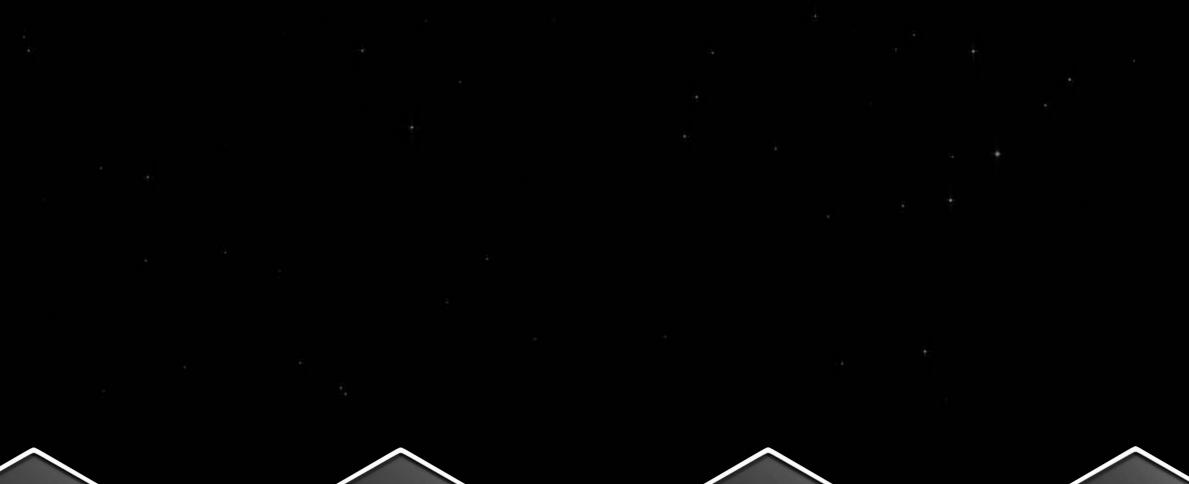
//integrate.api.nvidia.com/v1", REQUIRED_IF_EXECUTING_OUTSIDE_NGC"

chat.completions.create(3-70b-instruct", :"user","content":""}],

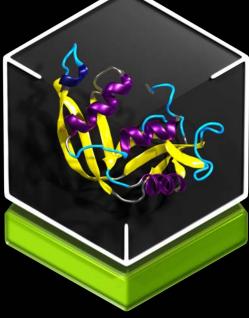
for chunk in completion: if chunk.choices[0].delta.content is not None: print(chunk.choices[0].delta.content, end="")



Language









Digital Human

Computer Vision

Biology

Simulation



Regional Language



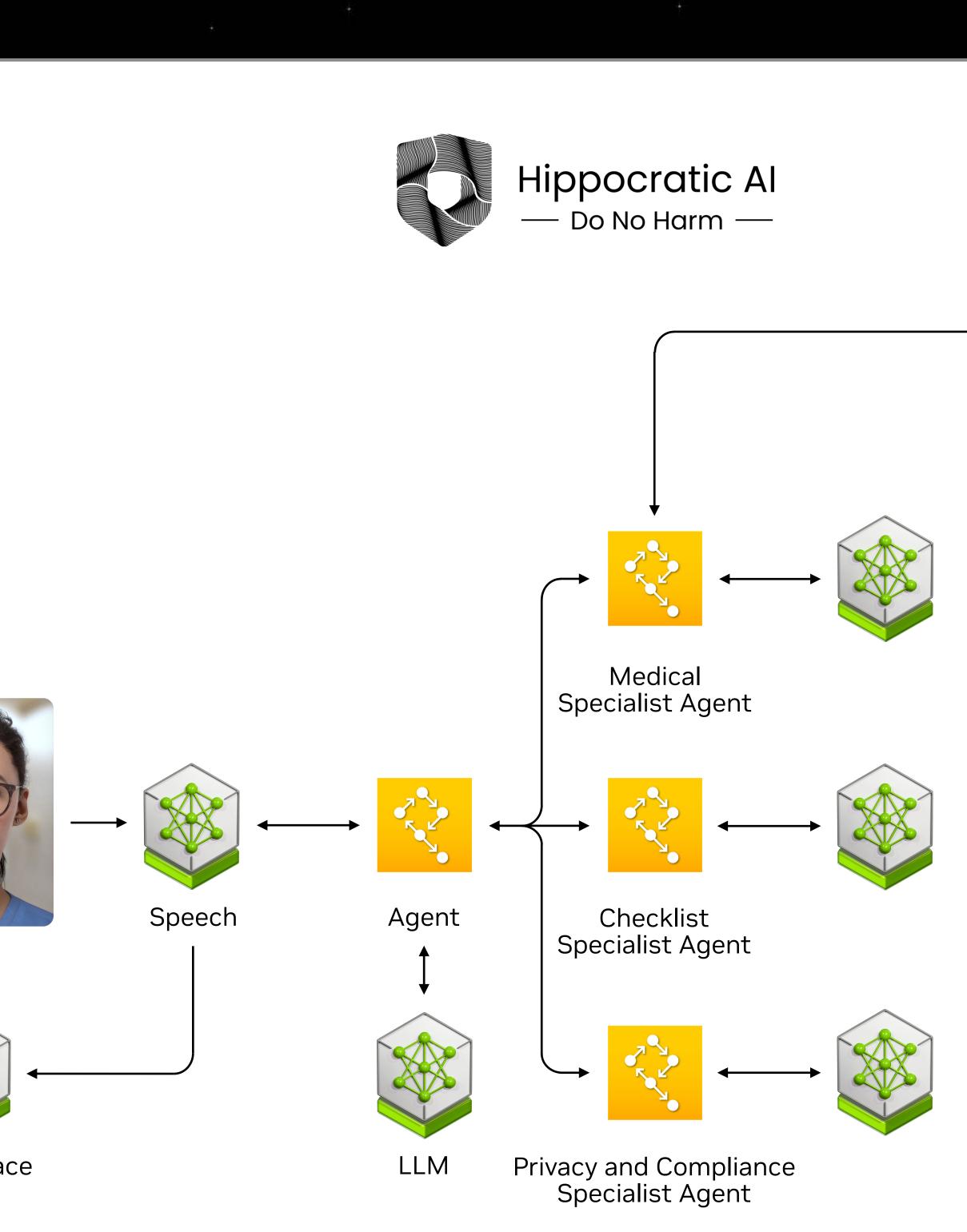
Vision Language



RAG

User Audio2Face





生成式人工智慧實現數位護士、客服、導師等 GENERATIVE AI ENABLES DIGITAL NURSE, CUSTOMER SERVICE AGENTS, TUTORS, ETC

----NeMo Retriever Embedding Model Electronic Health Vector Records Database Physician-Approved Reference Tables







ASUS TUF A14 / A16

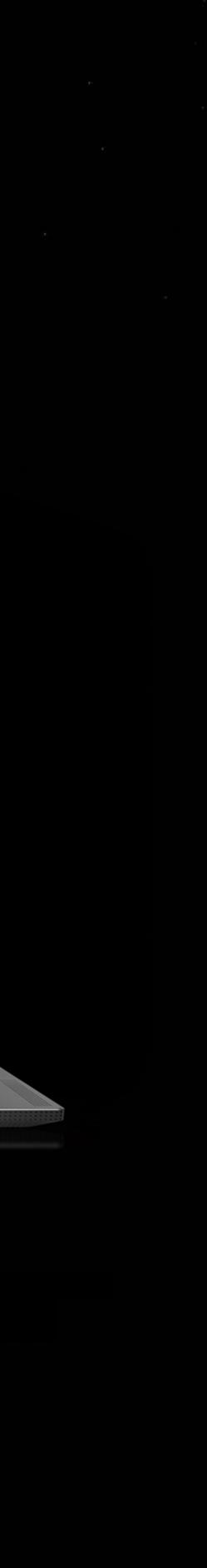
ANNOUNCING NEW RTX AI PCs Now Over 200 RTX AI Laptops | Up to 700 AI TOPS | 7X Generative AI

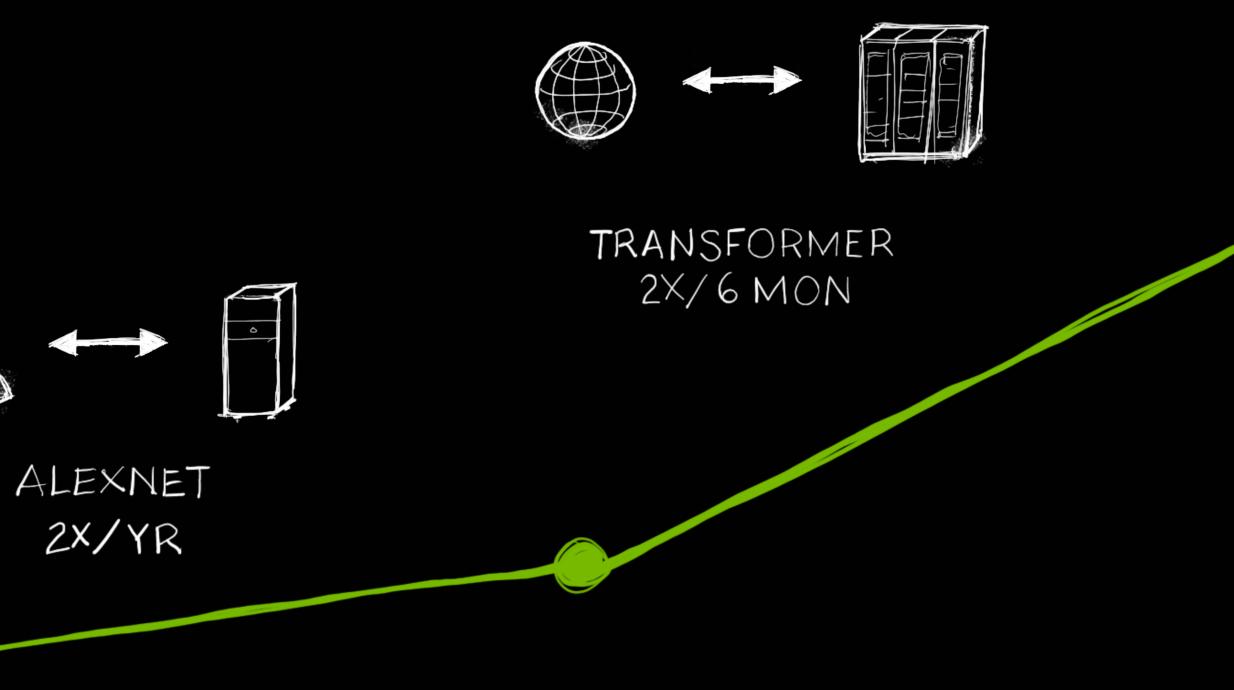
發表新款 RTX AI 電腦 現已超過 200 款 RTX AI 筆記型電腦 | 高達 700 AI TOPS | 7X 生成式人工智慧

ASUS Zephyrus G16

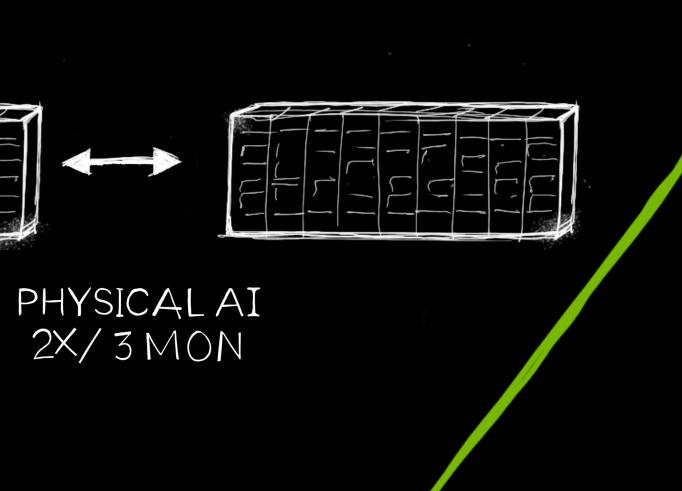
ASUS ProArt PX13 / P16

MSI Stealth A16 Al⁺





運算模型規模呈指數級成長 MODEL COMPUTE SCALE GROWS EXPONENTIALLY







AI SUPERCHIP 208B Transistors



-

-

TRANSFORMER ENGINE FP4/FP6 Tensor Core



868 0000

SECURE AI Full Performance Encryption and TEE



5th GENERATION NVLINK Scales to 576 GPUs

NVIDIA BLACKWELL 平台 兆級參數規模的生成式人工智慧

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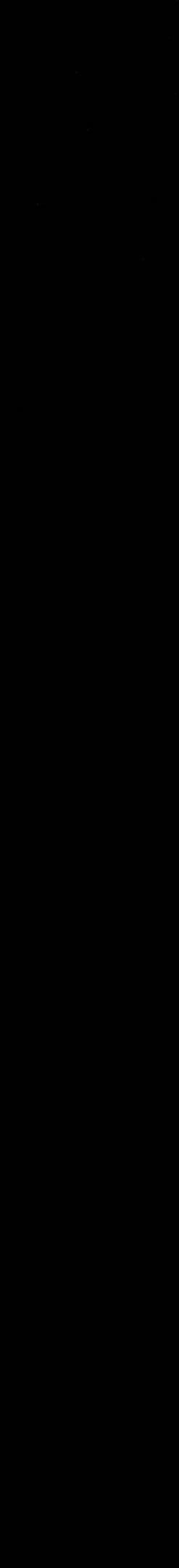
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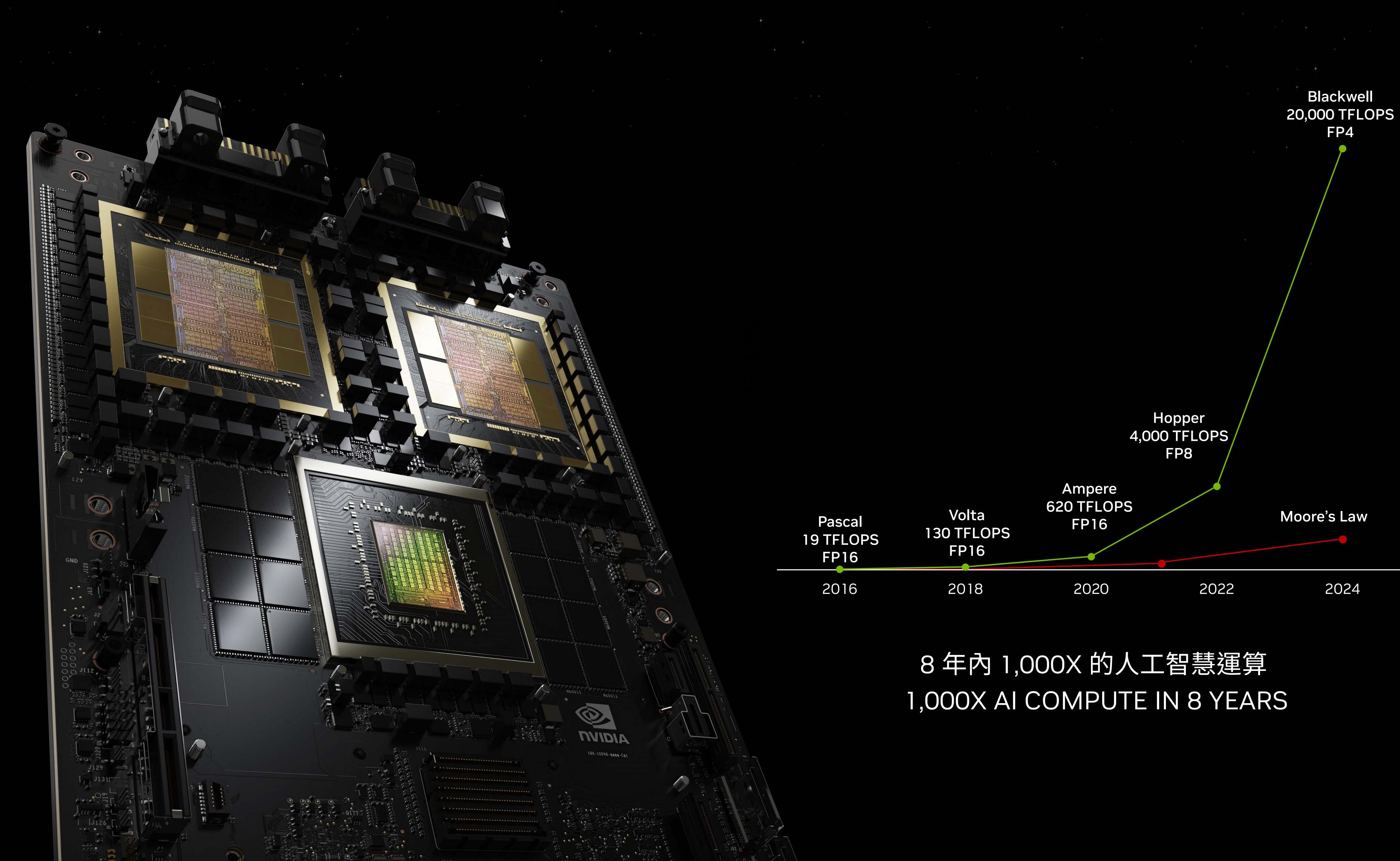
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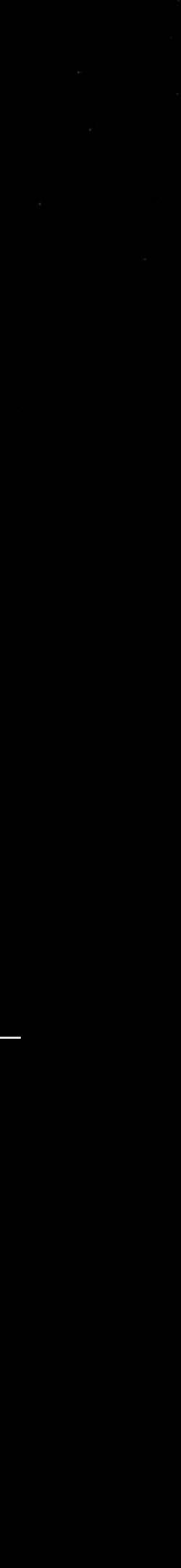
三月

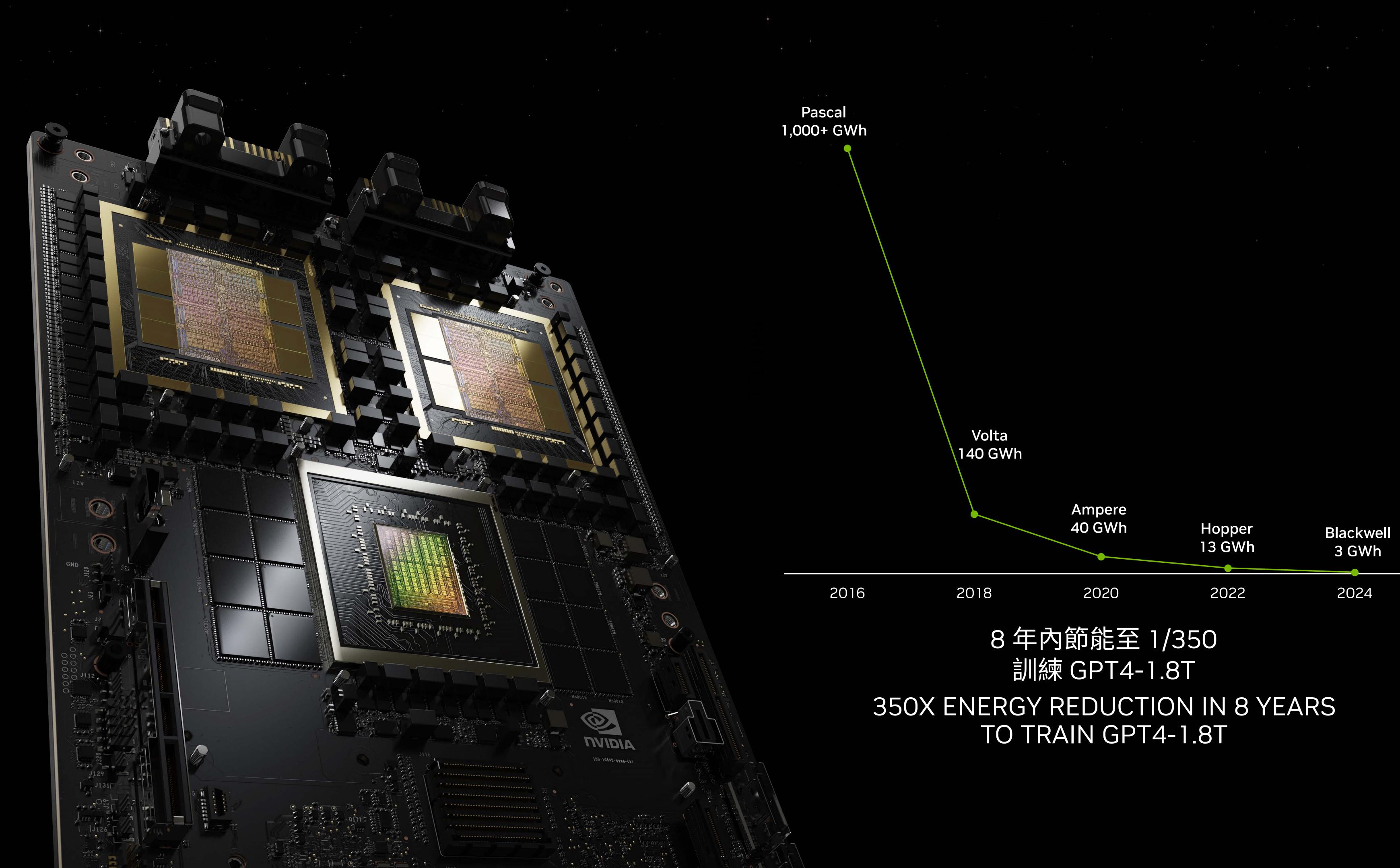
RAS ENGINE 100% In-System Self-Test

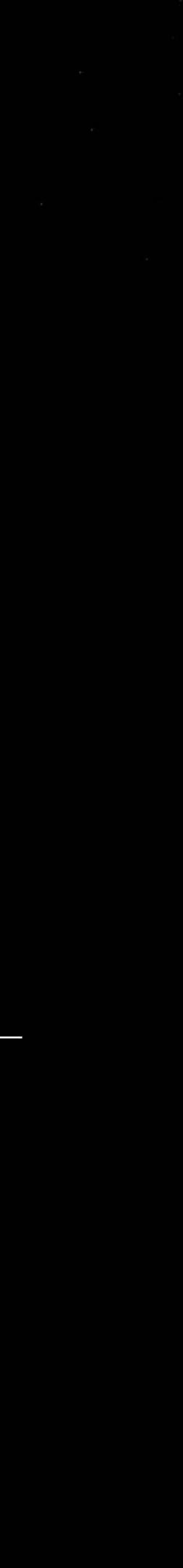


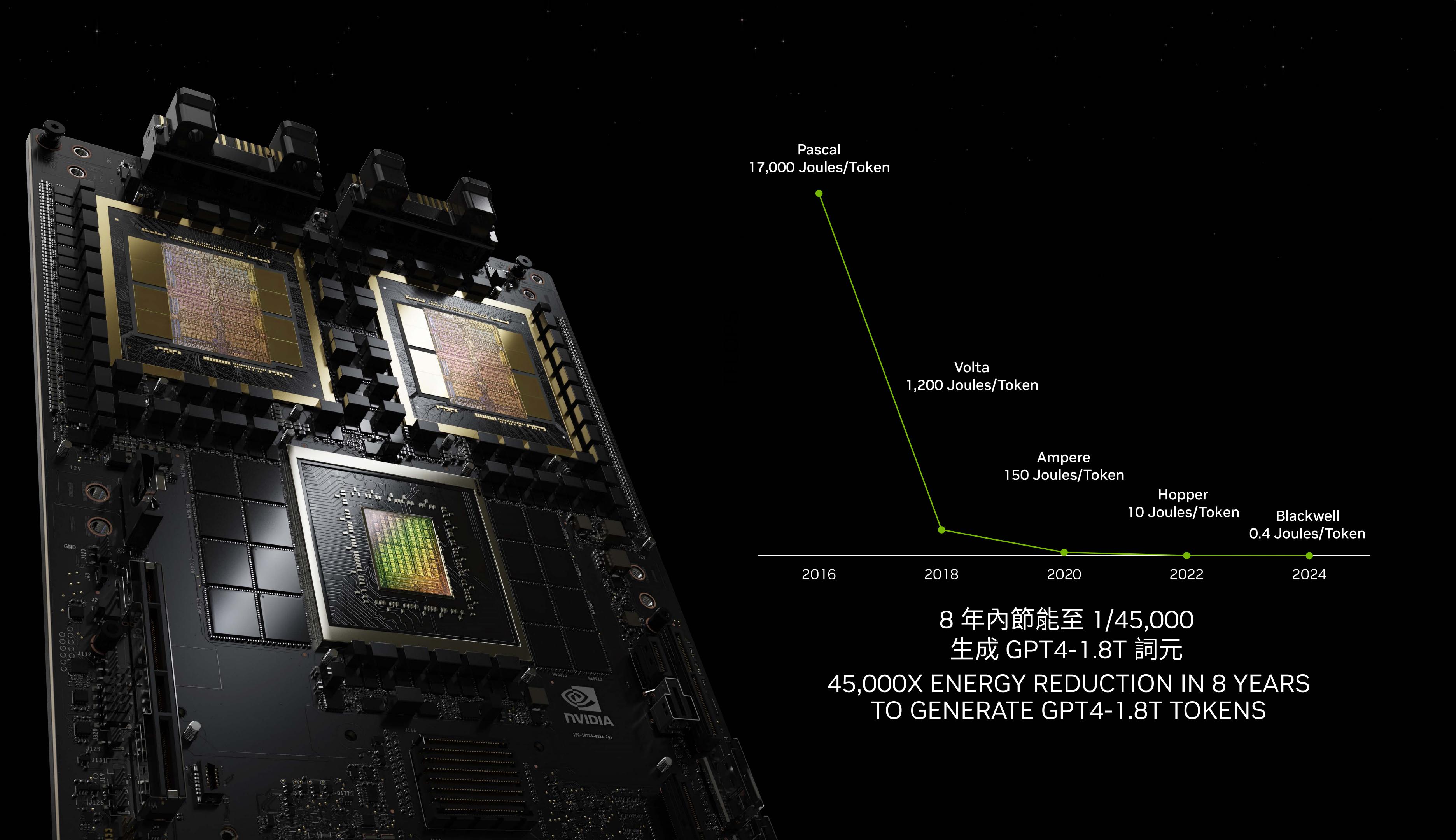








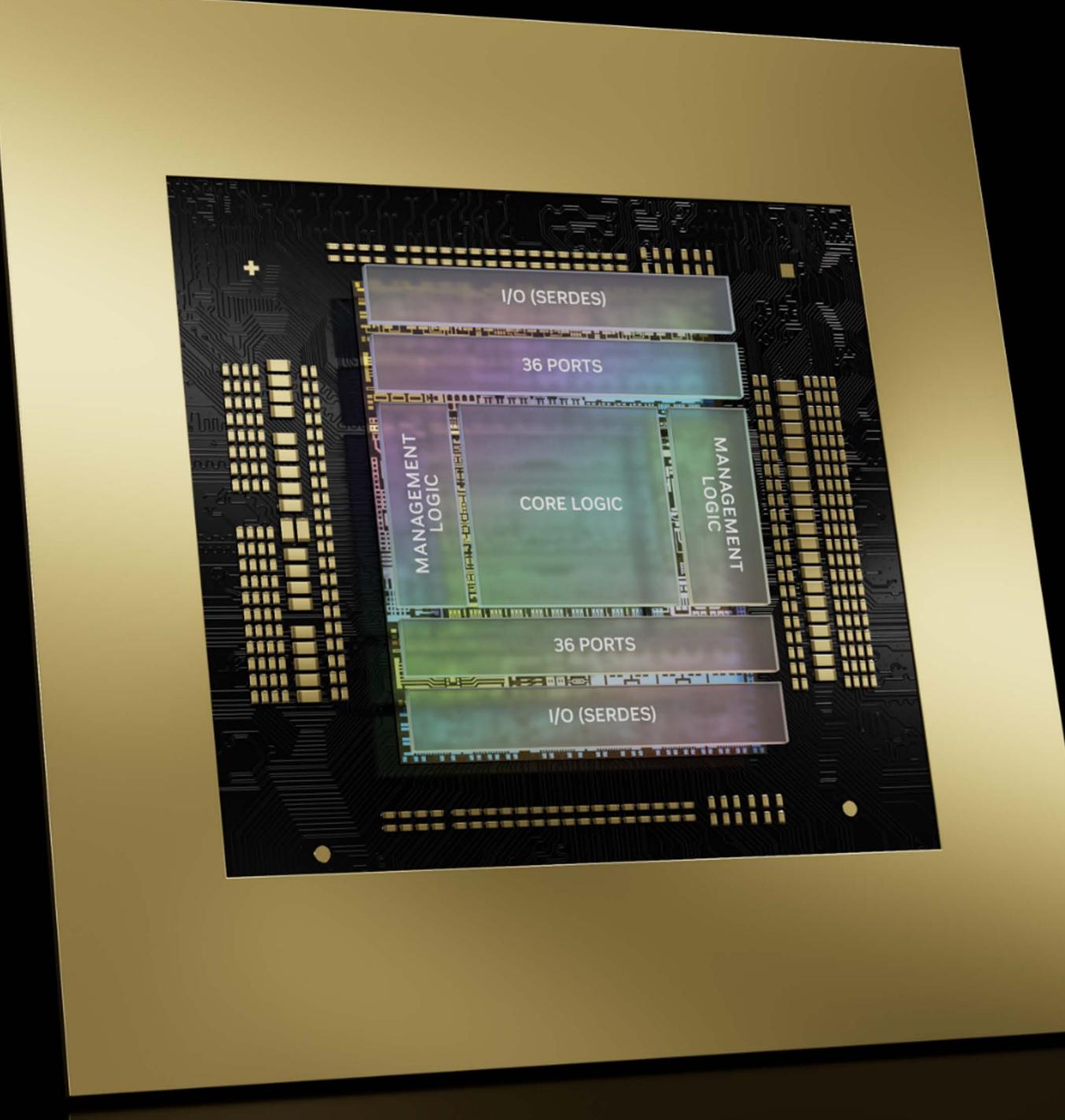






	DGX BLACKWELL	DGX HOPPER	
NVLink Domain	72	8	9X
NVLink BW (TB/s)	130	7	18X
AI FLOPS (PF)	1,440	32	45X
Power (kW)	100	10	10X







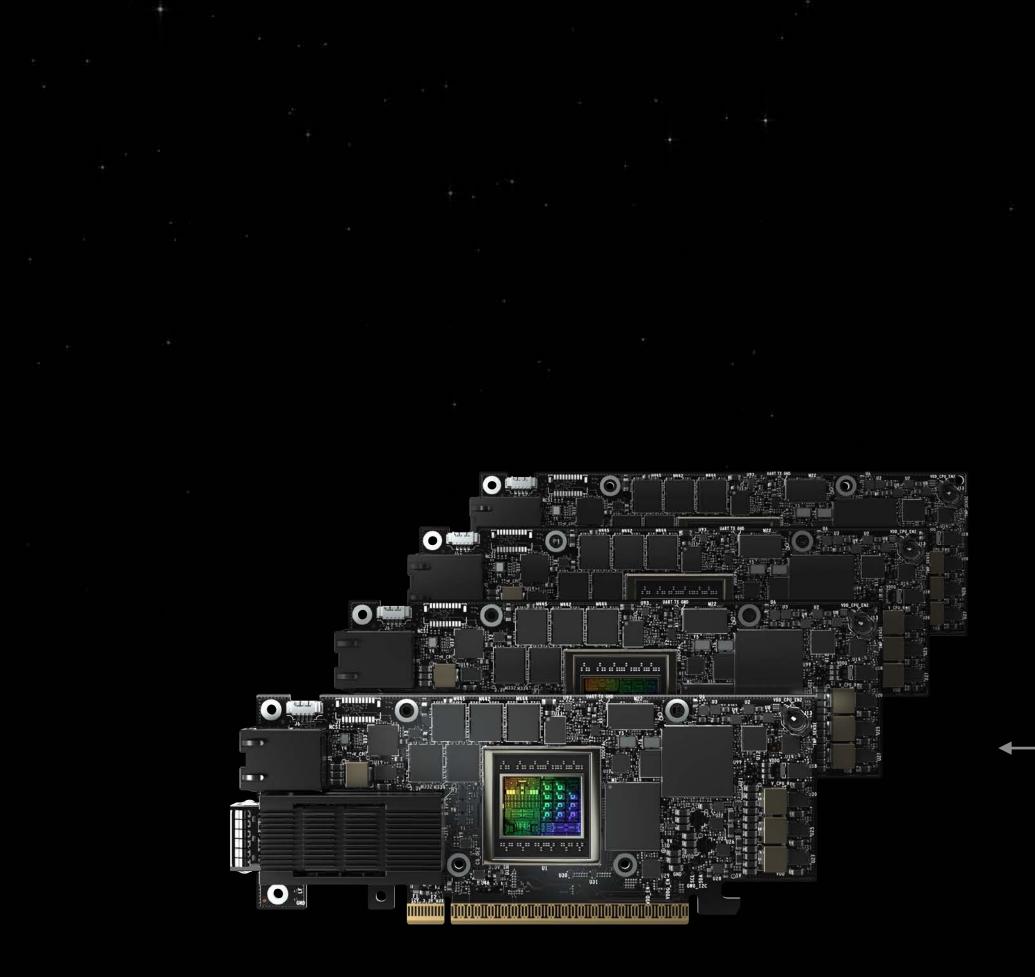
50B T 72-Po 4 NVL 7.2TB SHAR

NVLink Switch Chip

- 50B Transistors in TSMC 4NP
- 72-Ports 400G SerDes
- 4 NVLinks at 1.8TB/sec
- 7.2TB/sec Full-Duplex Bandwidth
- SHARP In-Network Compute 3.6 TFLOPS FP8







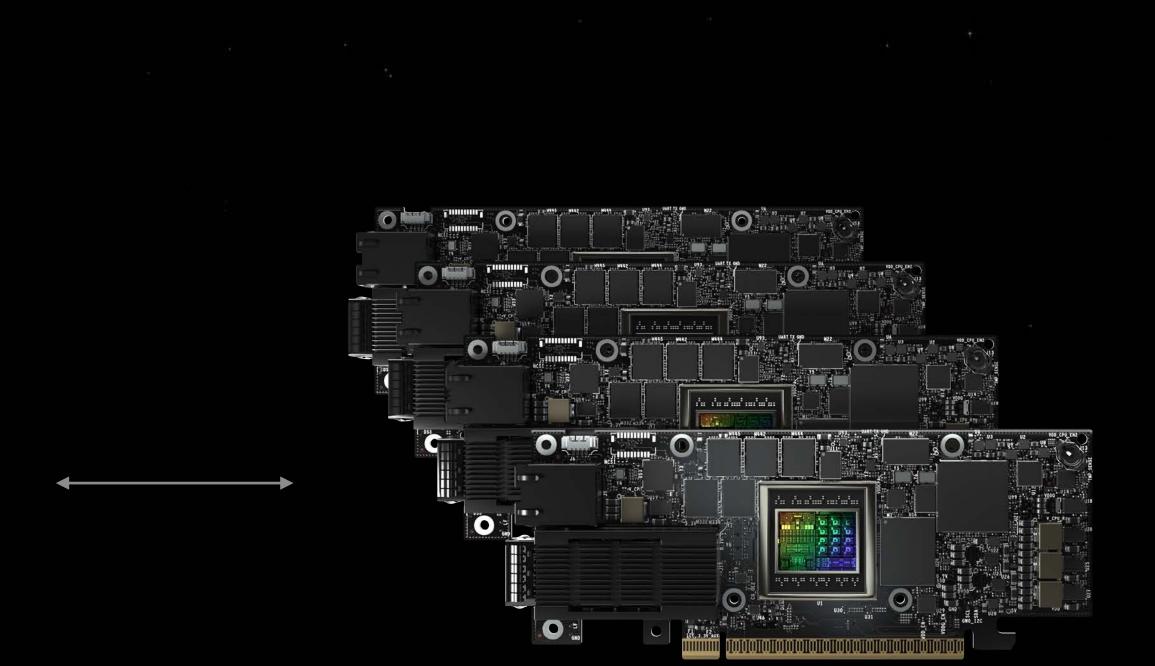
BlueField-3 400G SuperNIC



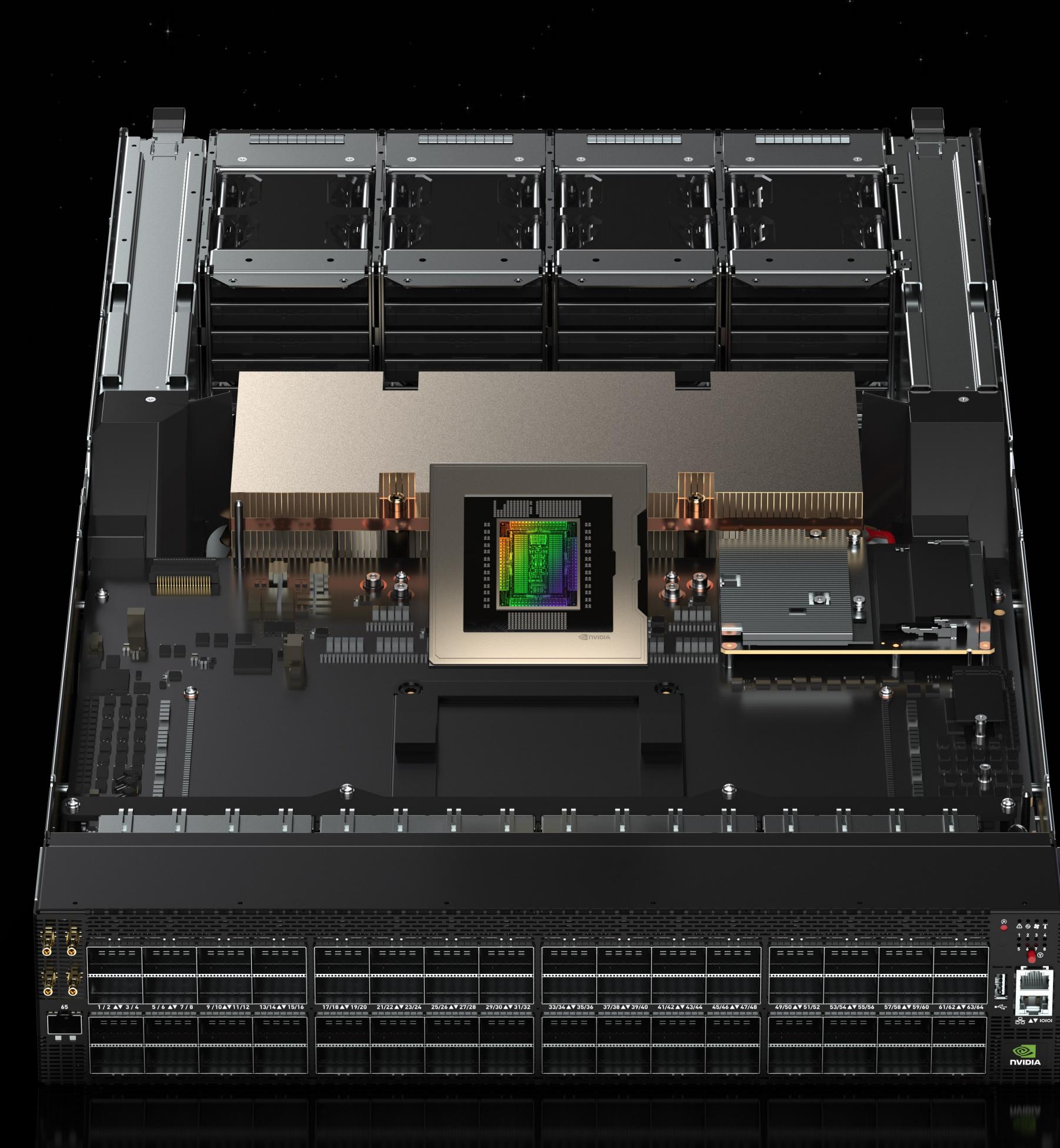
Spectrum-X800 **Ethernet Switch**

> **1.6X** Effective Bandwidth

NVIDIA SPECTRUM-X 為生成式人工智慧推進乙太網路 Supercharging Ethernet for Generative Al







Spectrum-X800 51.2T – 256 Radix BF3 400G SuperNIC 10's of Thousands of GPUs

2024

Spectrum-X1600 102.4T – 512 Radix CX9 1600G SuperNIC Millions of GPUs

Spectrum-X800 Ultra 51.2T – 512 Radix CX8 800 SuperNIC 100's of Thousands of GPUs

2025

2026

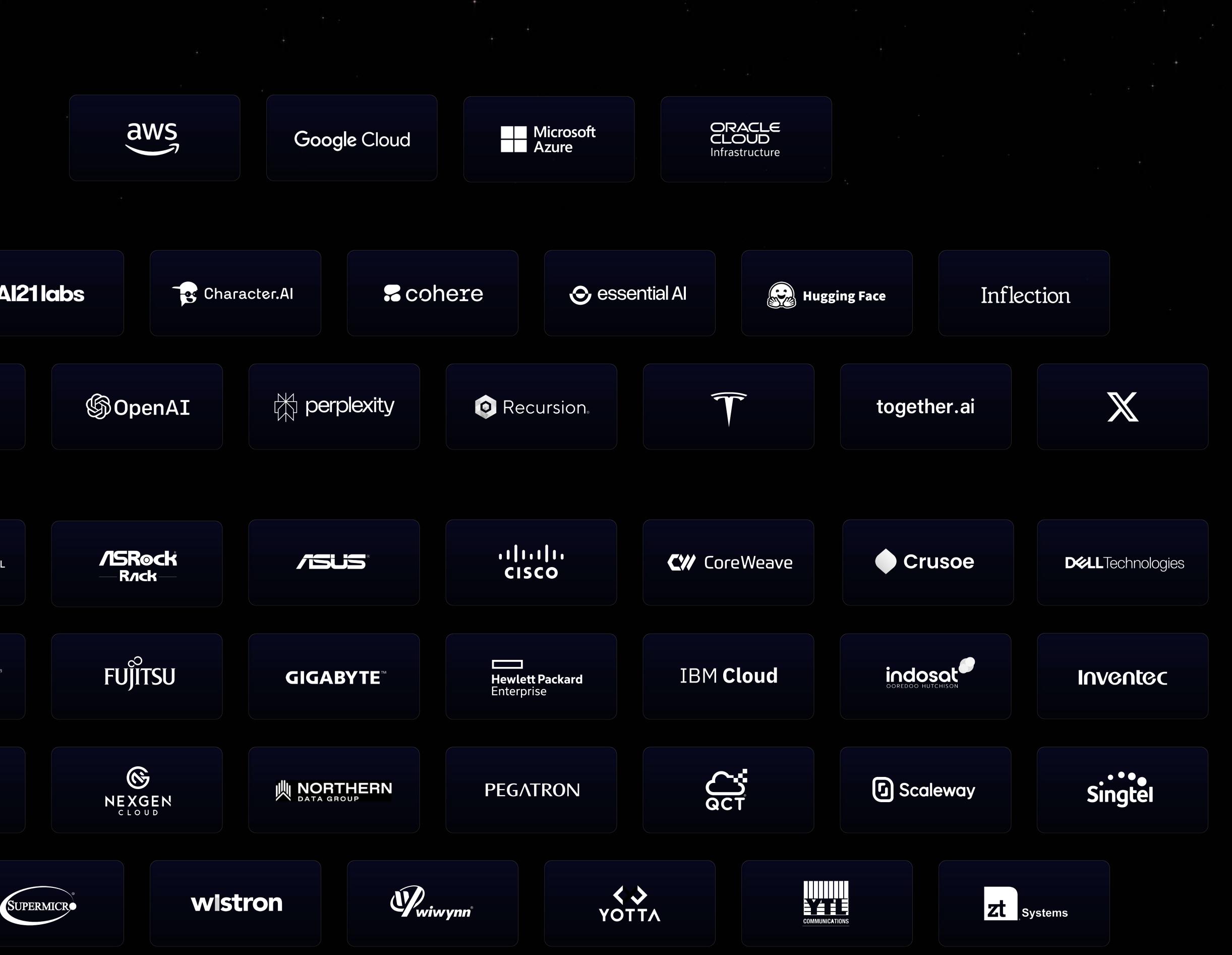
年度 SPECTRUM-X 節奏 擴展到數百萬個 GPU ANNUAL SPECTRUM-X RHYTHM SCALING TO MILLIONS OF GPUS



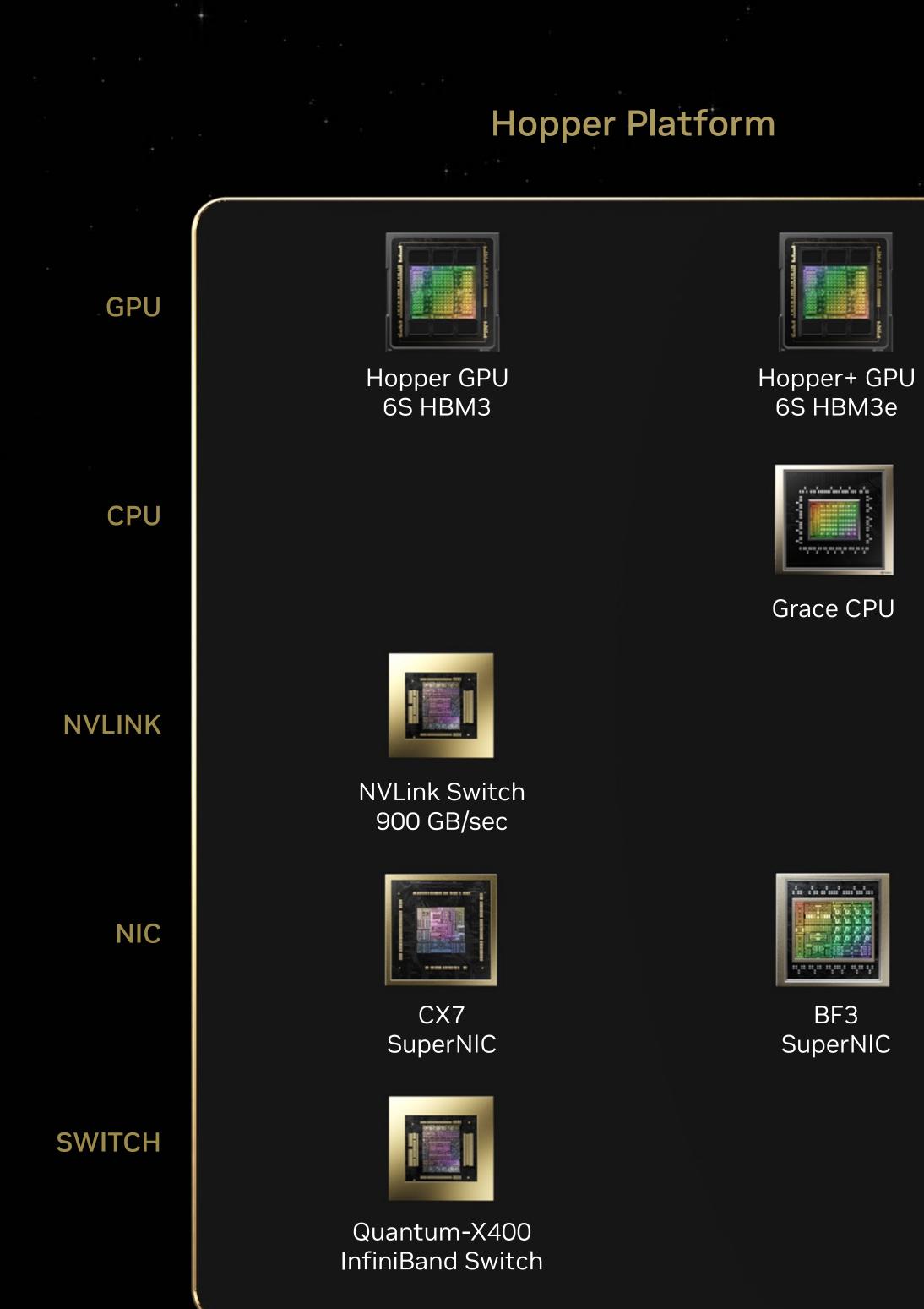


Al21 labs ADEPT MISTRAL AI_ **Meta** APPLIED DIGITAL **Aivres FOXCONN**[®] HON HAI TECHNOLOGY GROUP eviden λ Lambda Lenovo

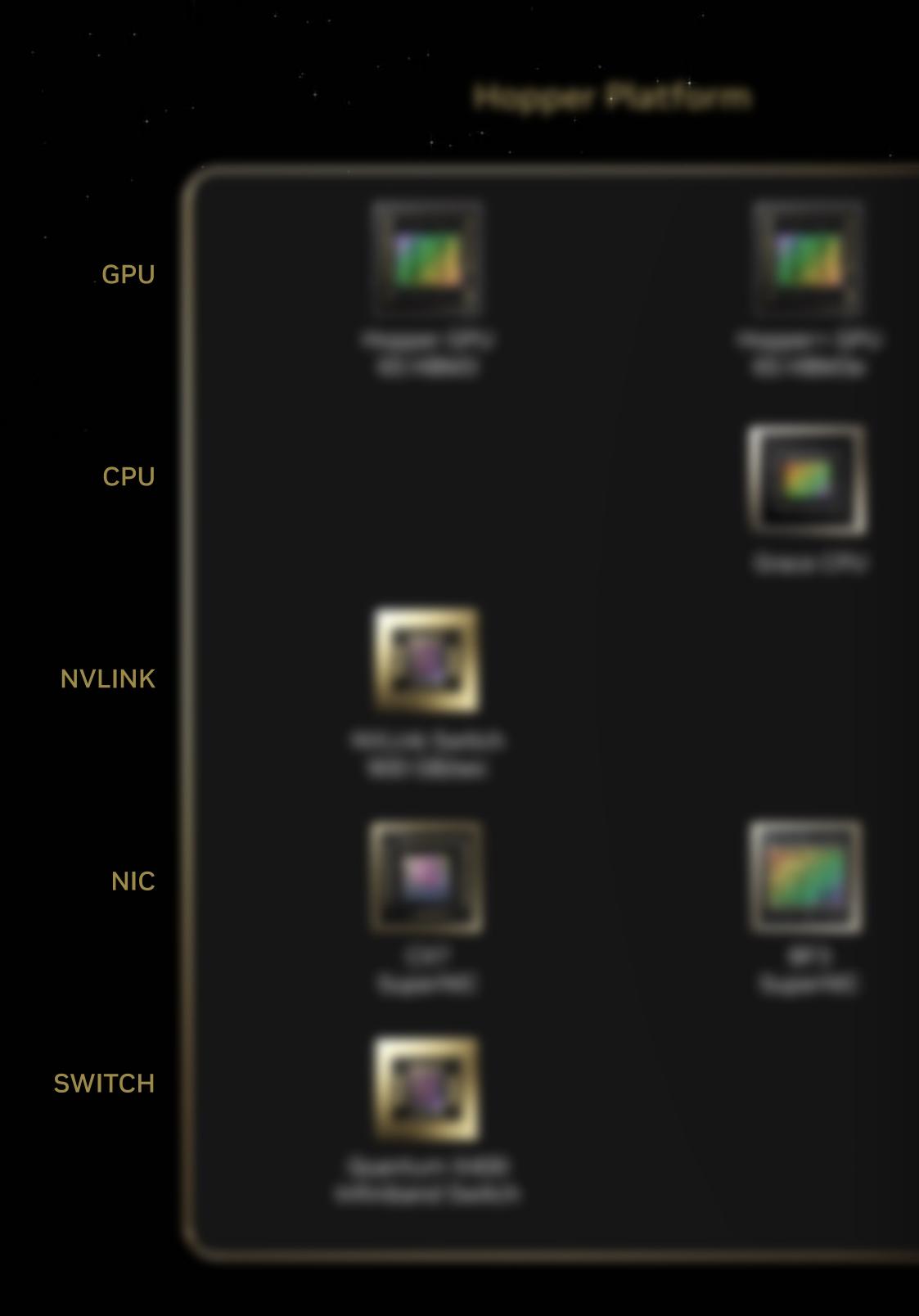
SoftBank



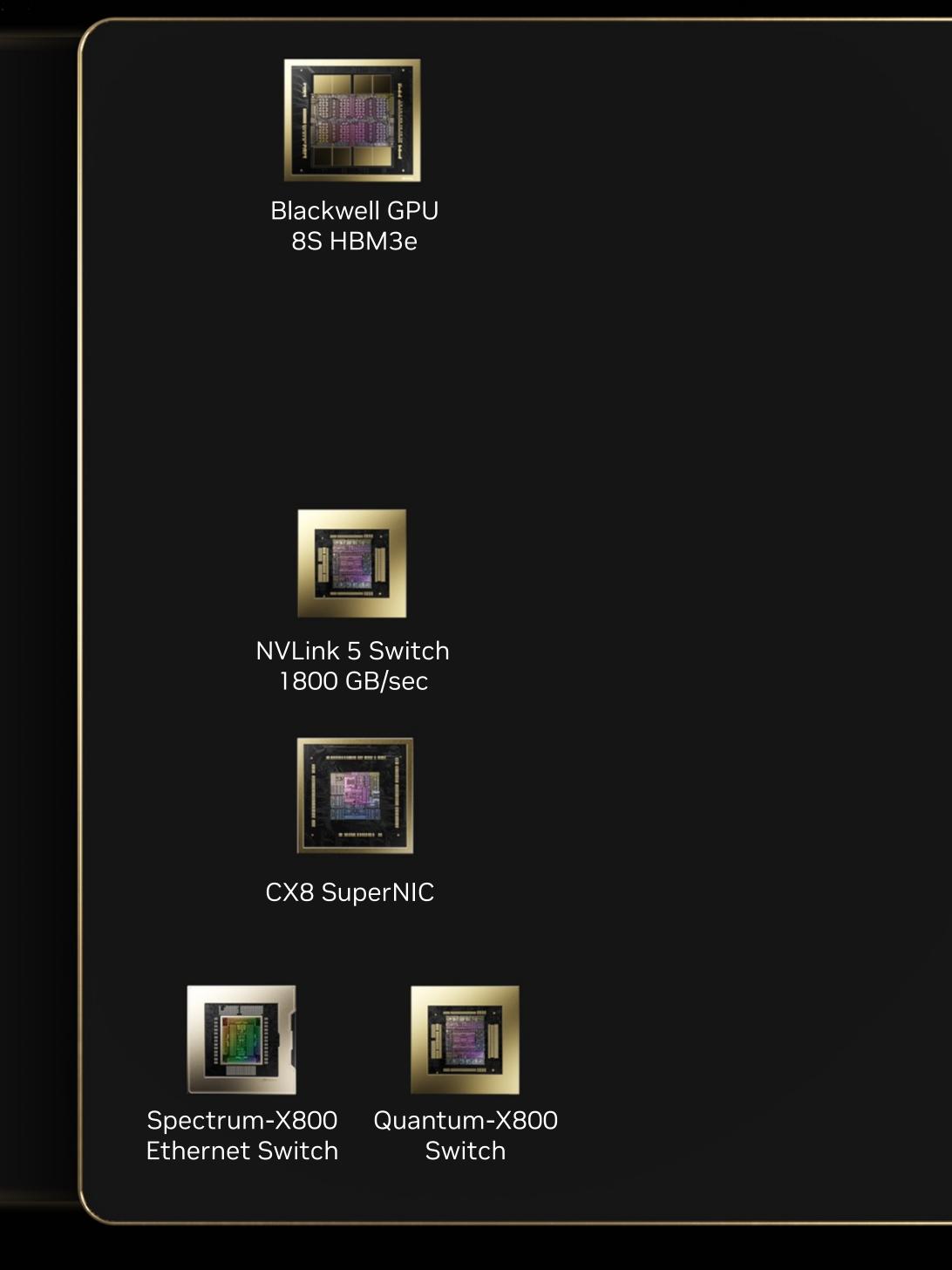




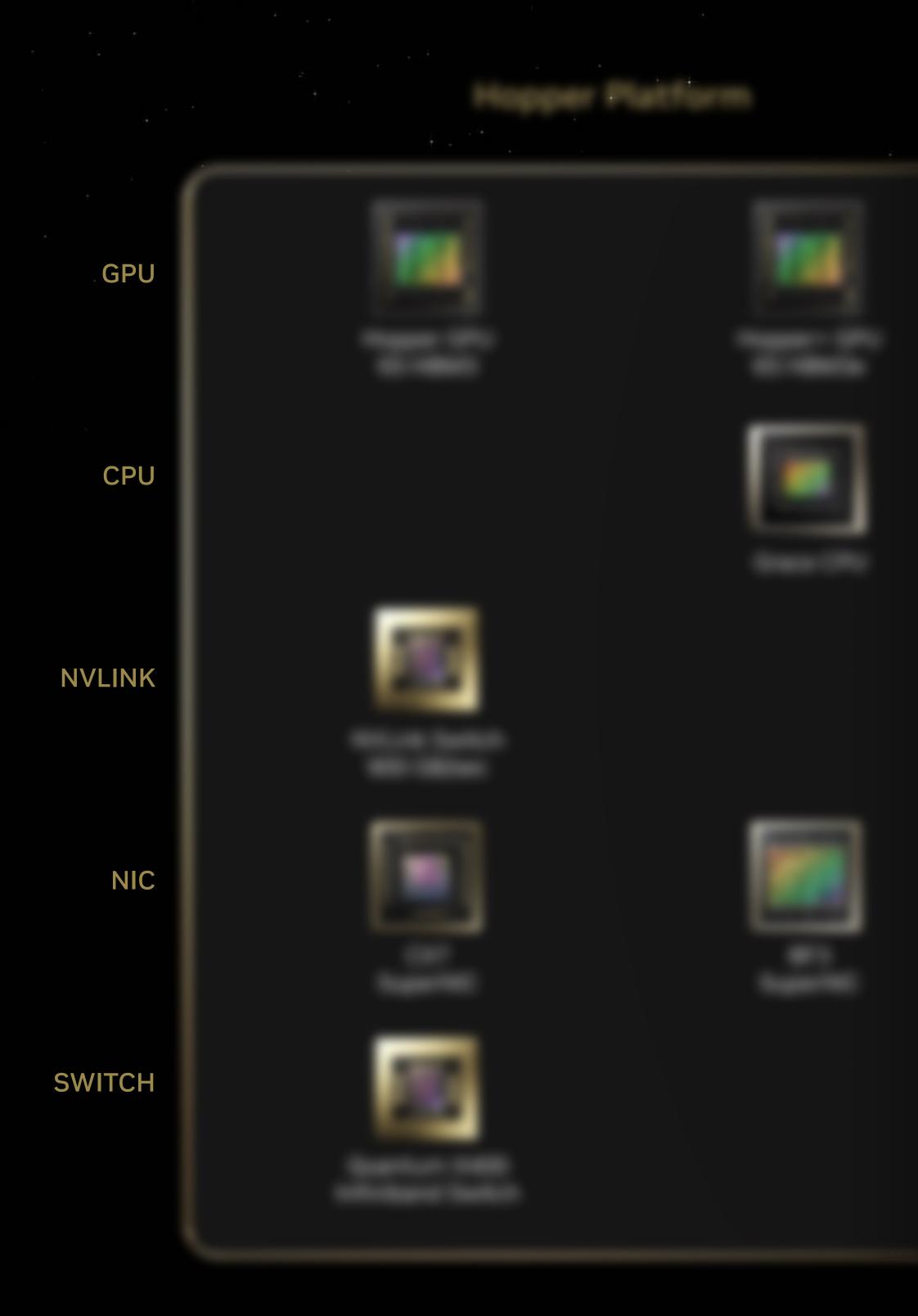




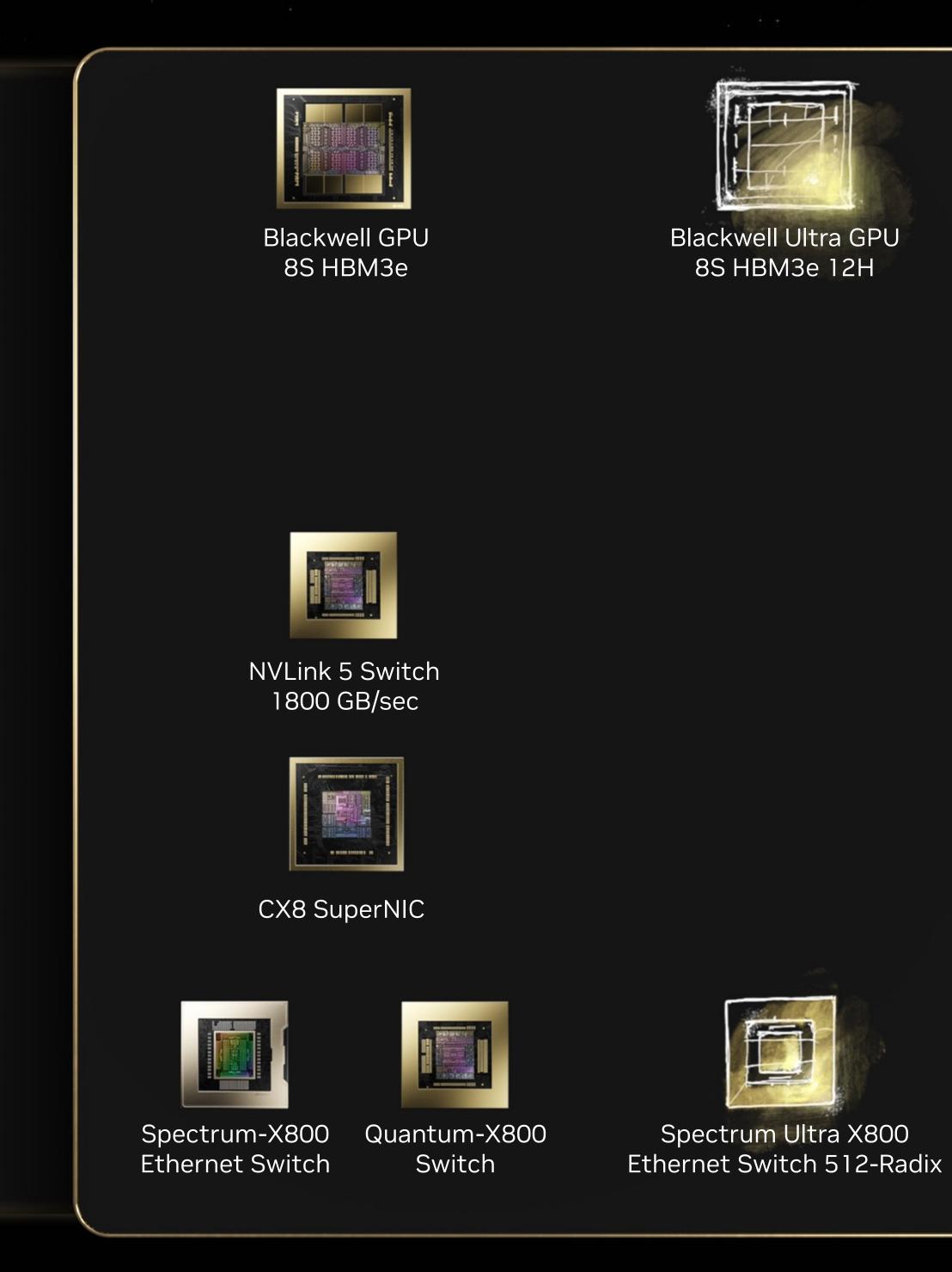
Blackwell Platform







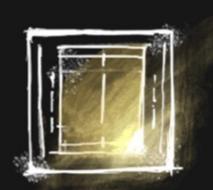
Blackwell Platform



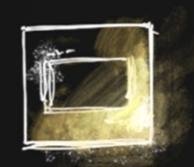




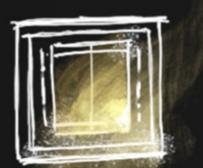
Rubin Platform



Rubin GPU 8S HBM4



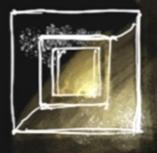
Vera CPU



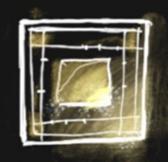
Rubin Ultra GPU 12S HBM4



1



NVLink 6 Switch 3600 GB/sec



CX9 SuperNIC 1600 Gb/sec

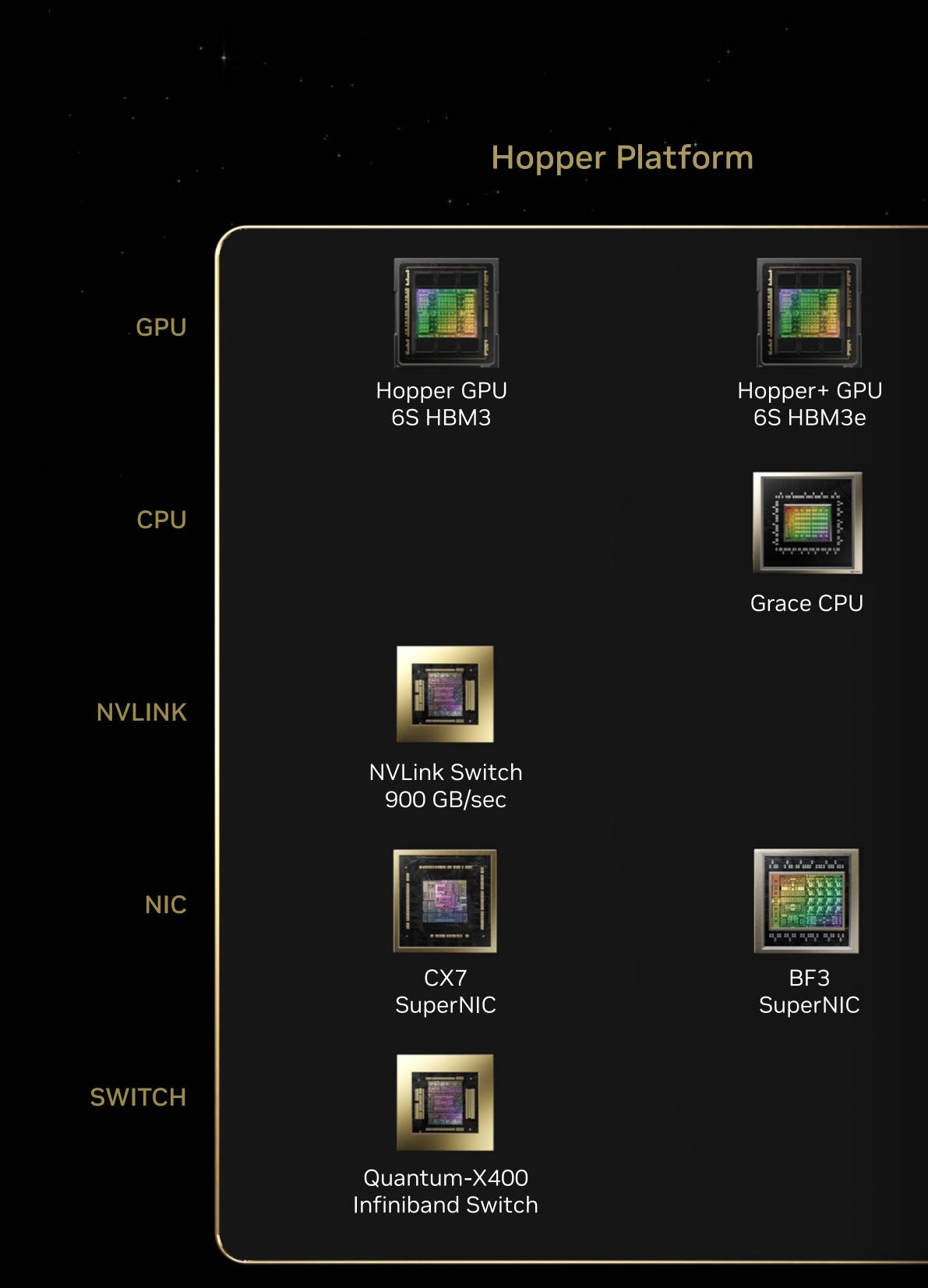


X1600 IB/Ethernet Switch





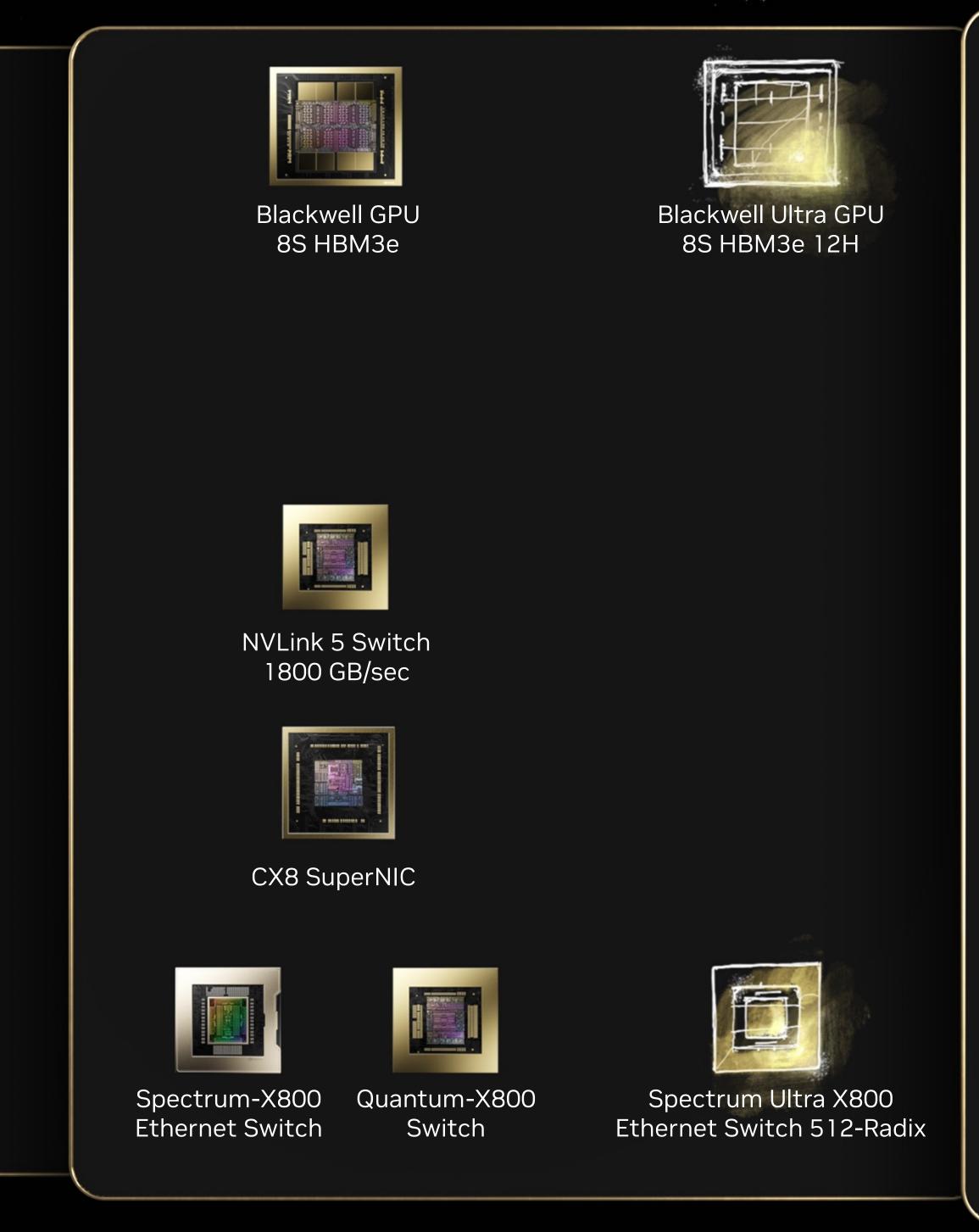




2023

資料中心規模 · 一年節奏 · 技術限制 · 一個架構 DATACENTER SCALE • ONE-YEAR RHYTHM • TECHNOLOGY LIMITS • ONE ARCHITECTURE

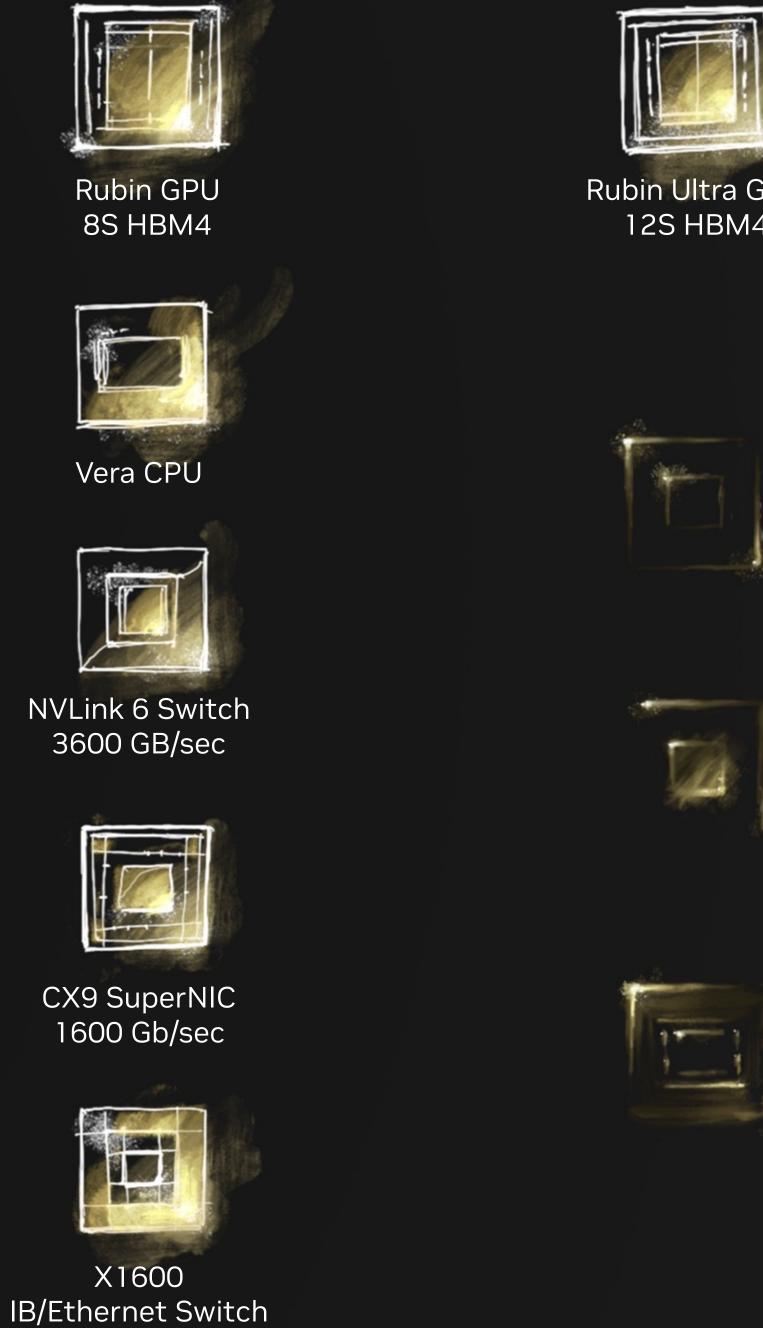
Blackwell Platform

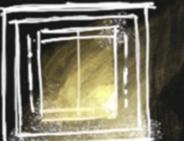


2024

2025

Rubin Platform





Rubin Ultra GPU 12S HBM4

2026





HGX B200

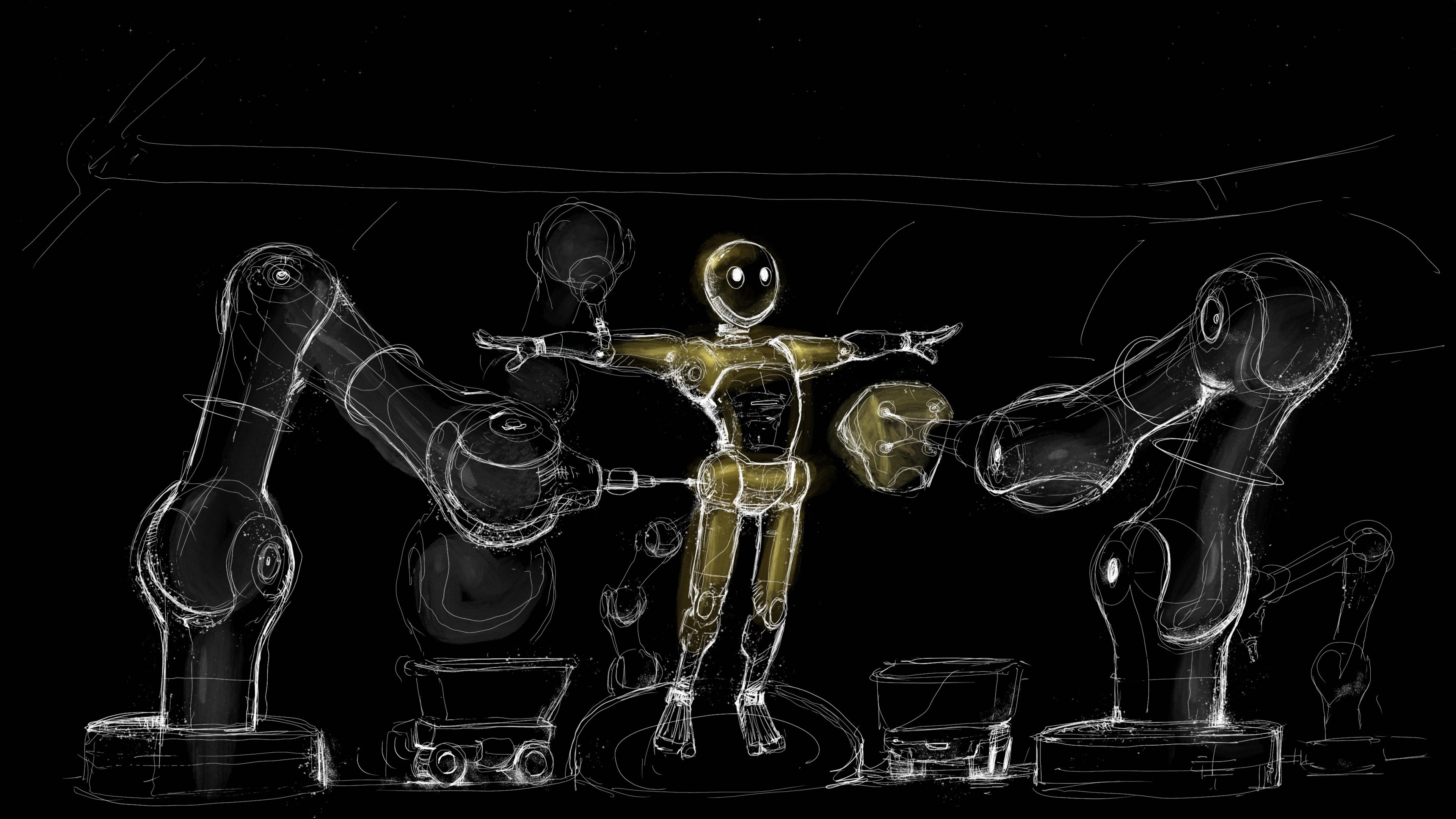
NVIDIA BLACKWELL 平台 NVIDIA BLACKWELL PLATFORM

Quantum-X800 Switch ConnectX-8 SuperNIC

Spectrum-X800 Switch BlueField-3 SuperNIC

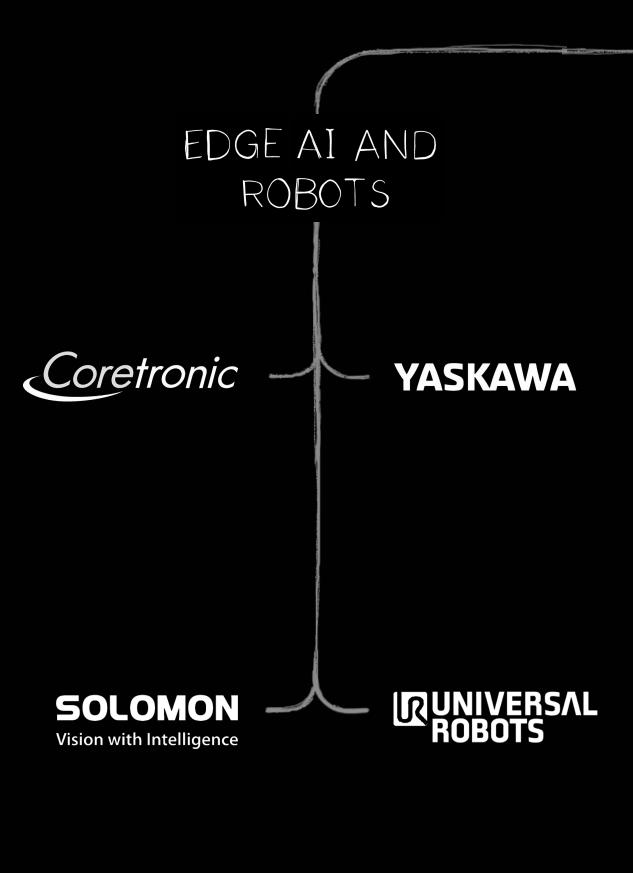




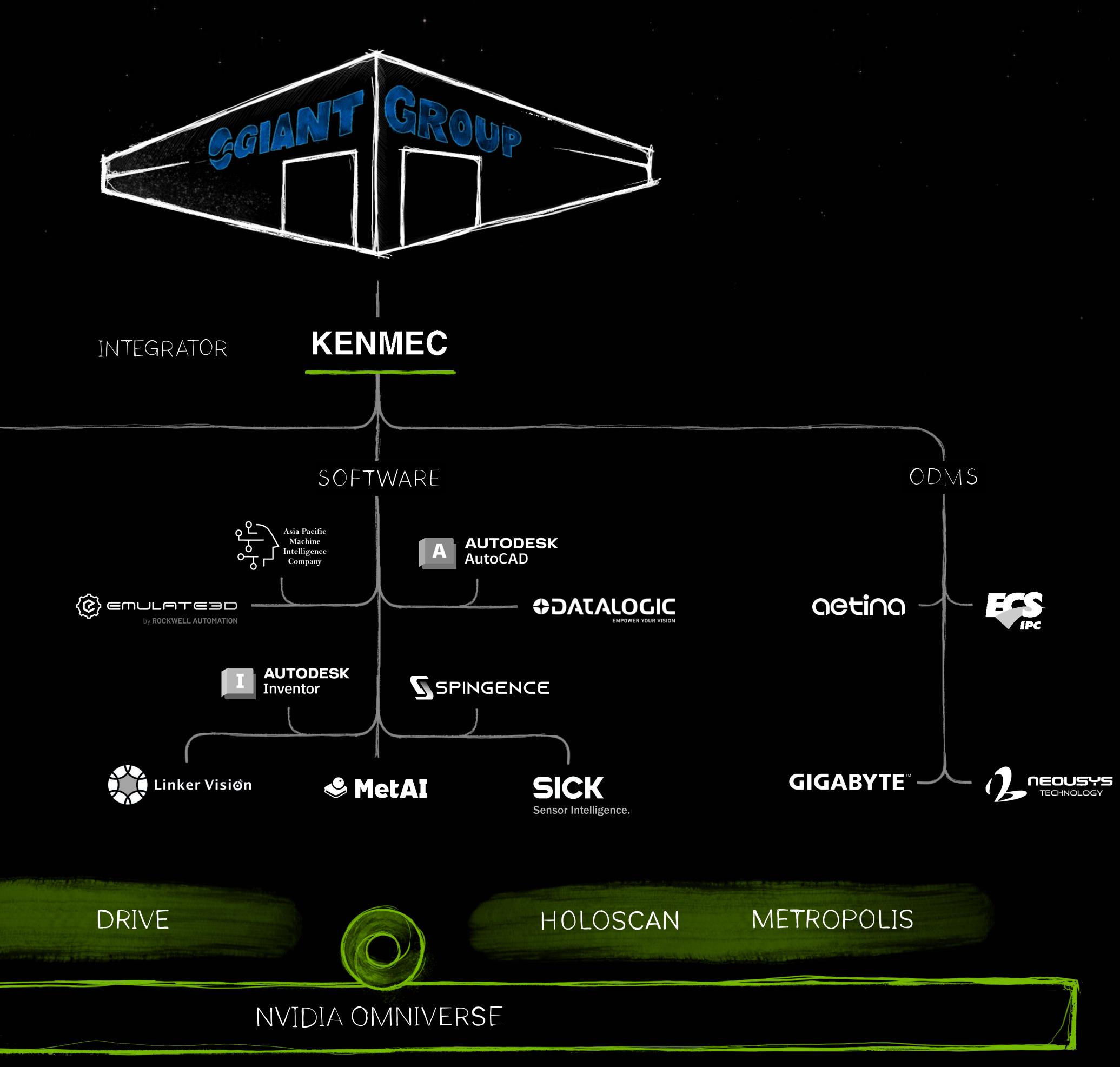




WAREHOUSE ECOSYSTEM





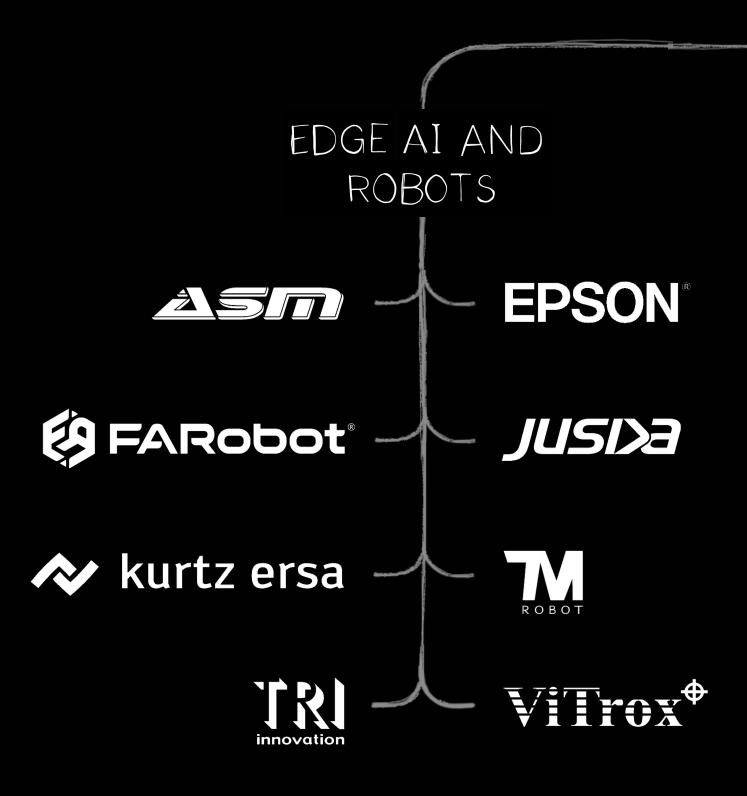




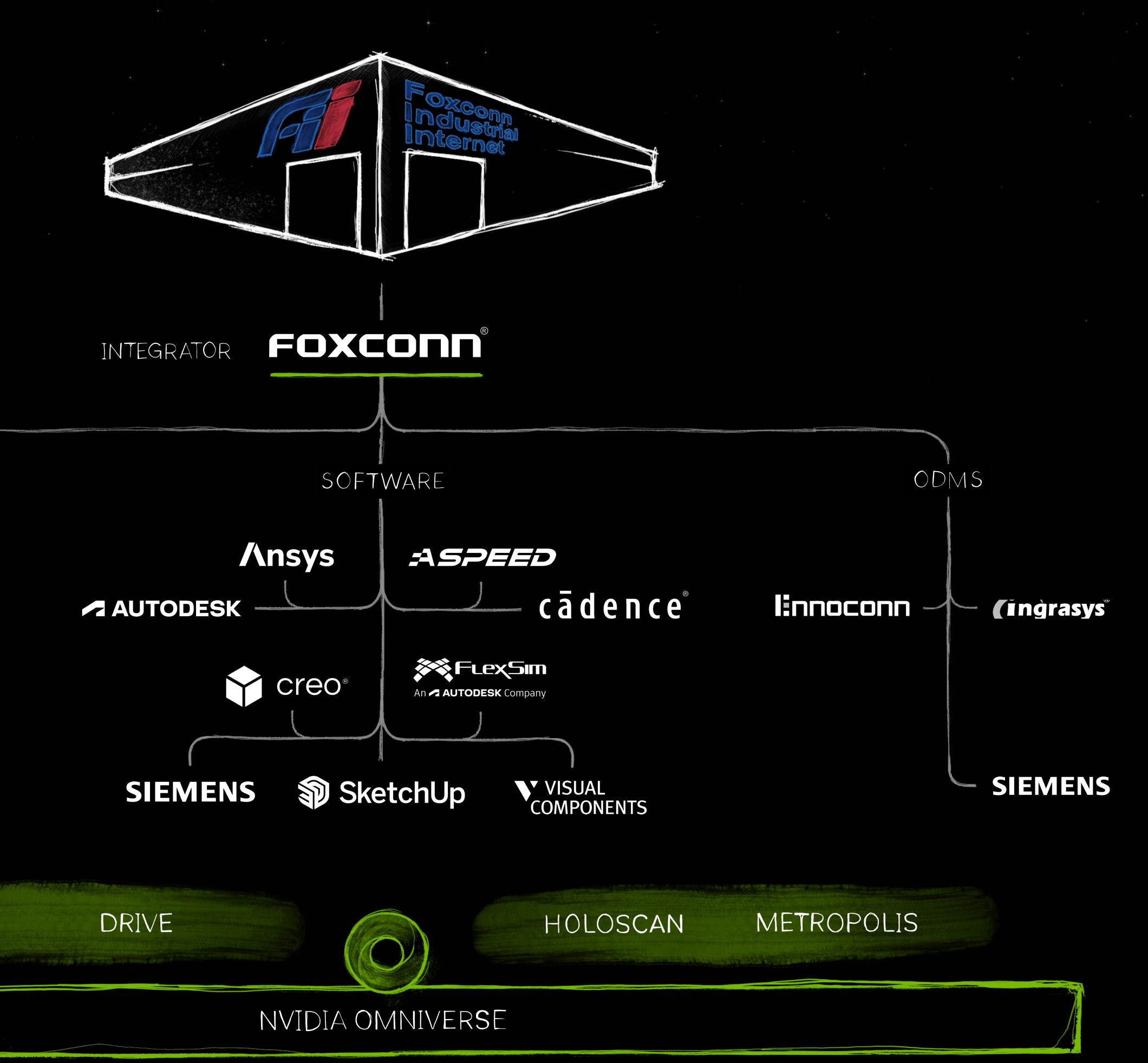




FACTORY ECOSYSTEM











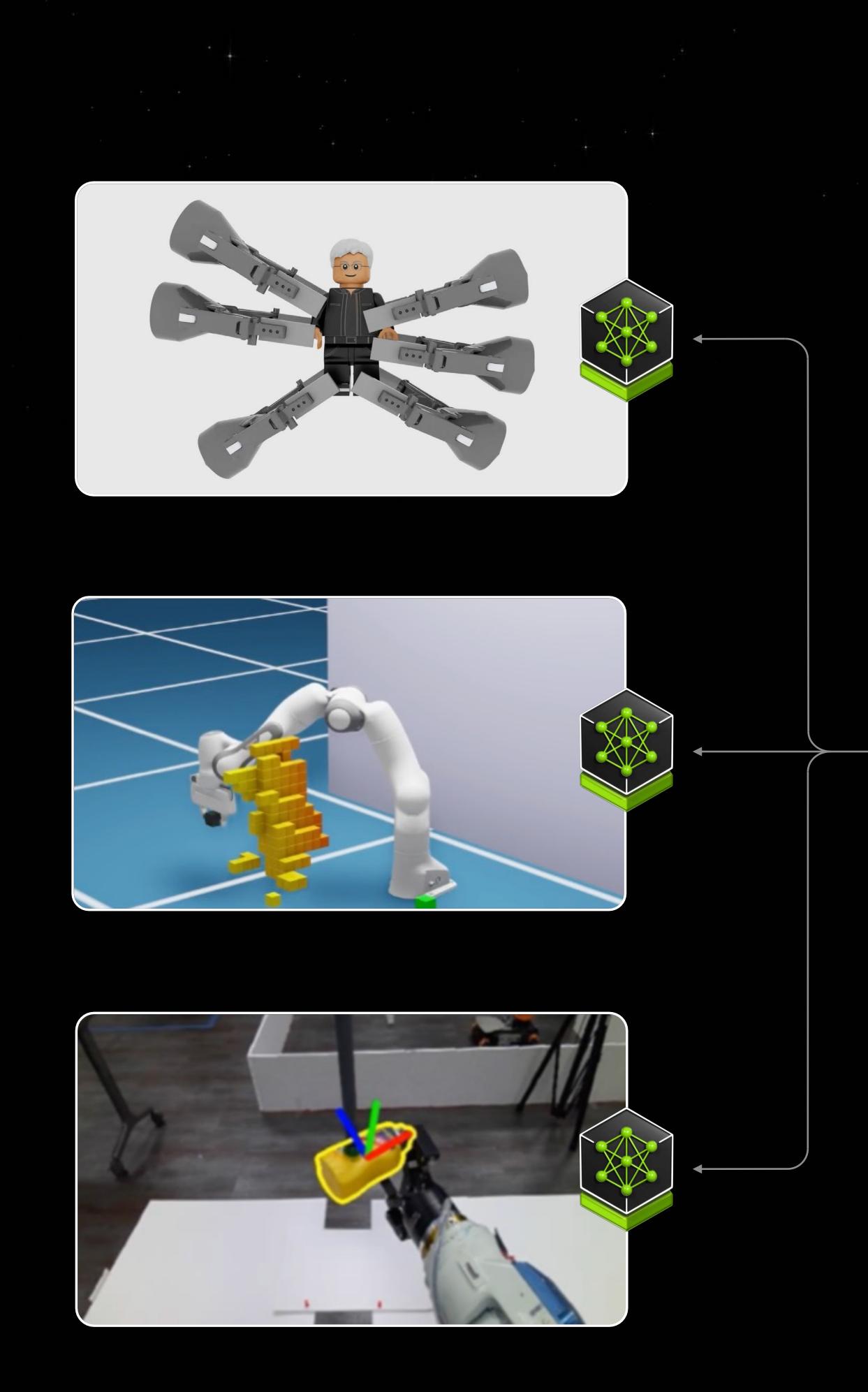










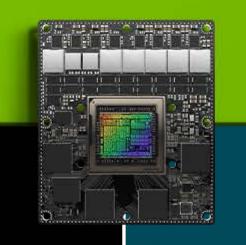


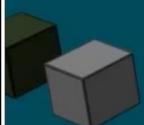


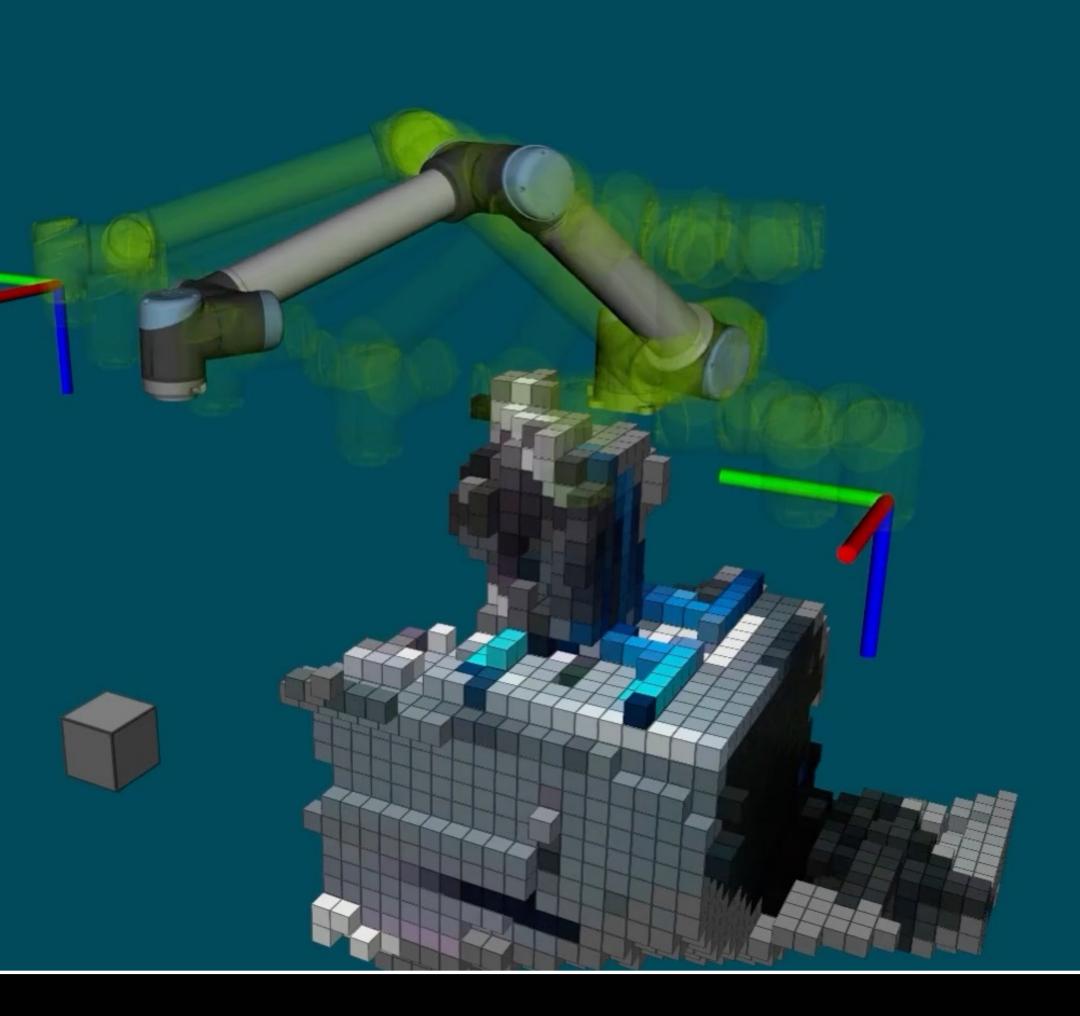


NVIDIA AI

NVIDIA Isaac Manipulator

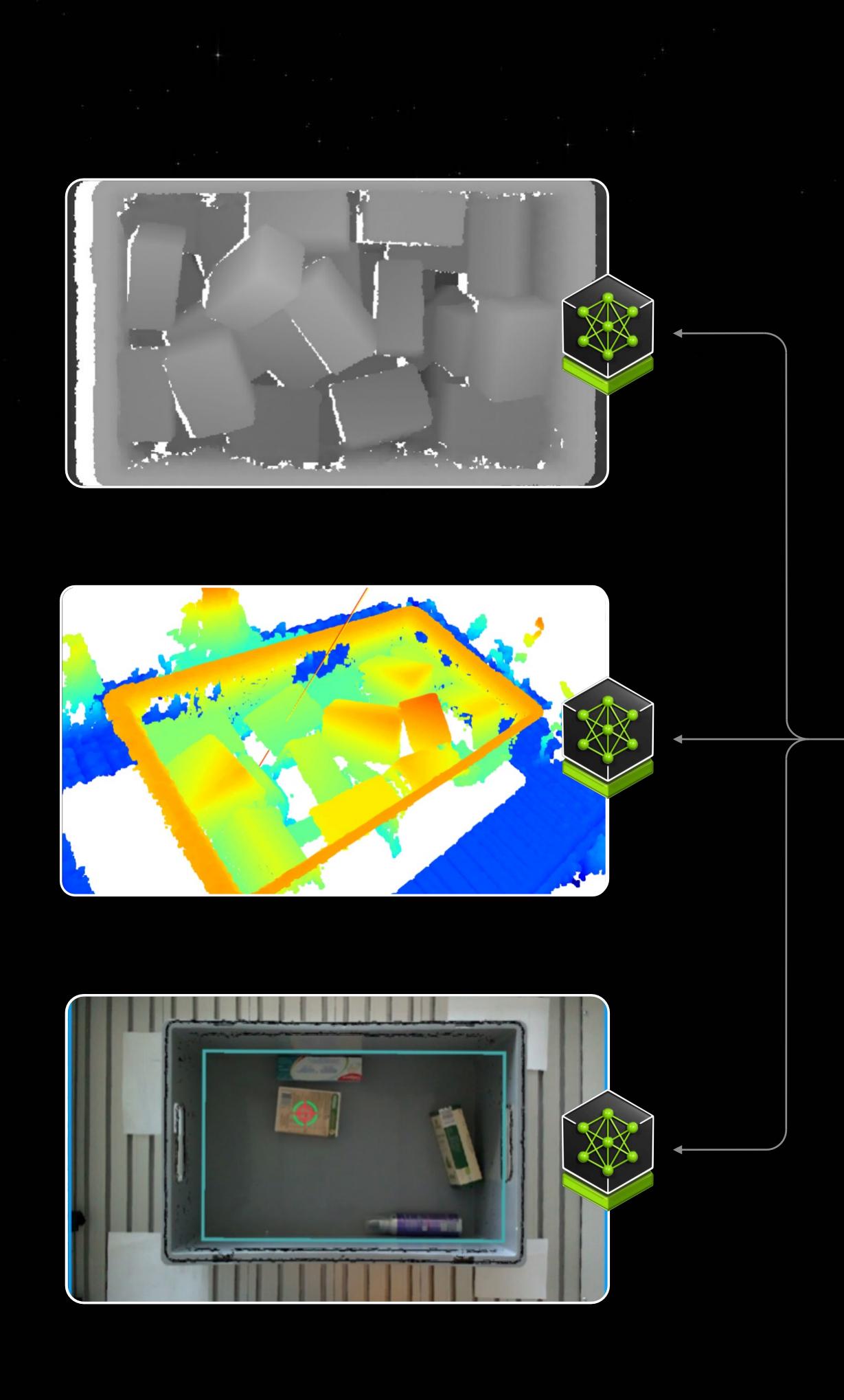






Isaac ROS 3.0 Available Now on Github

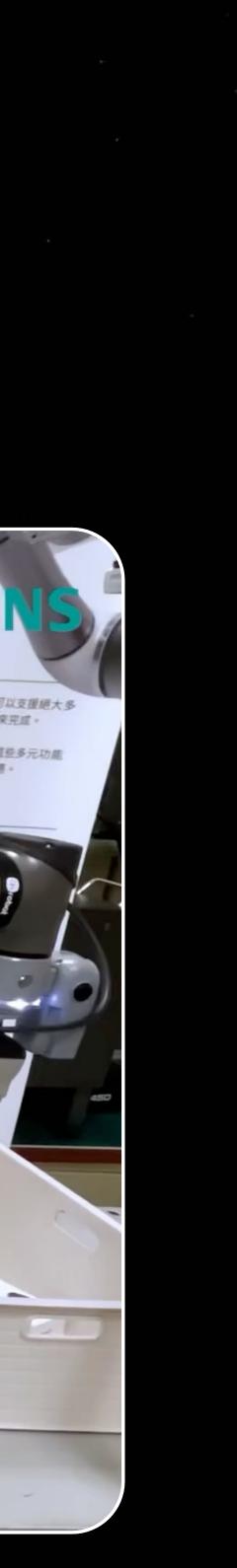


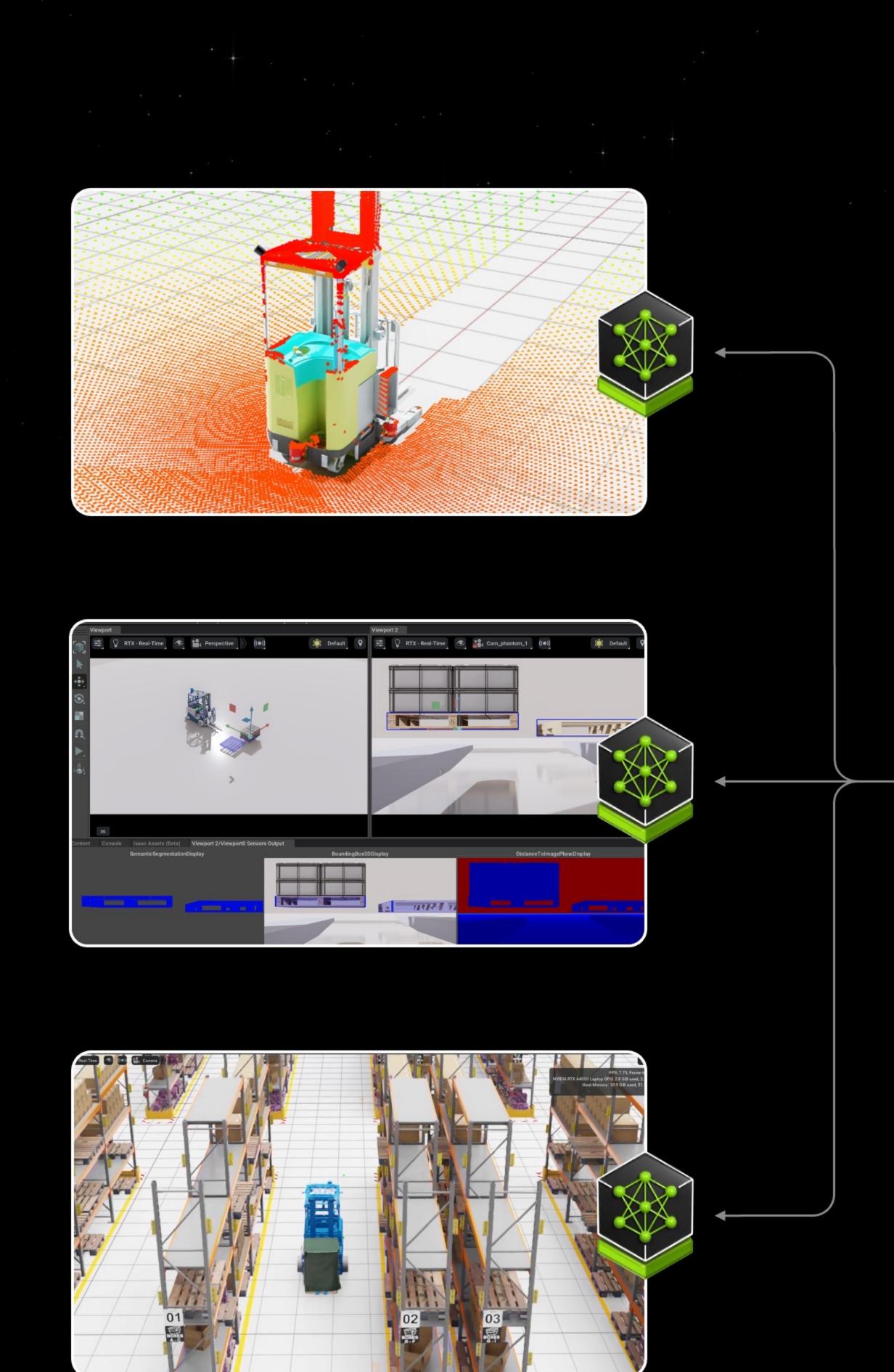




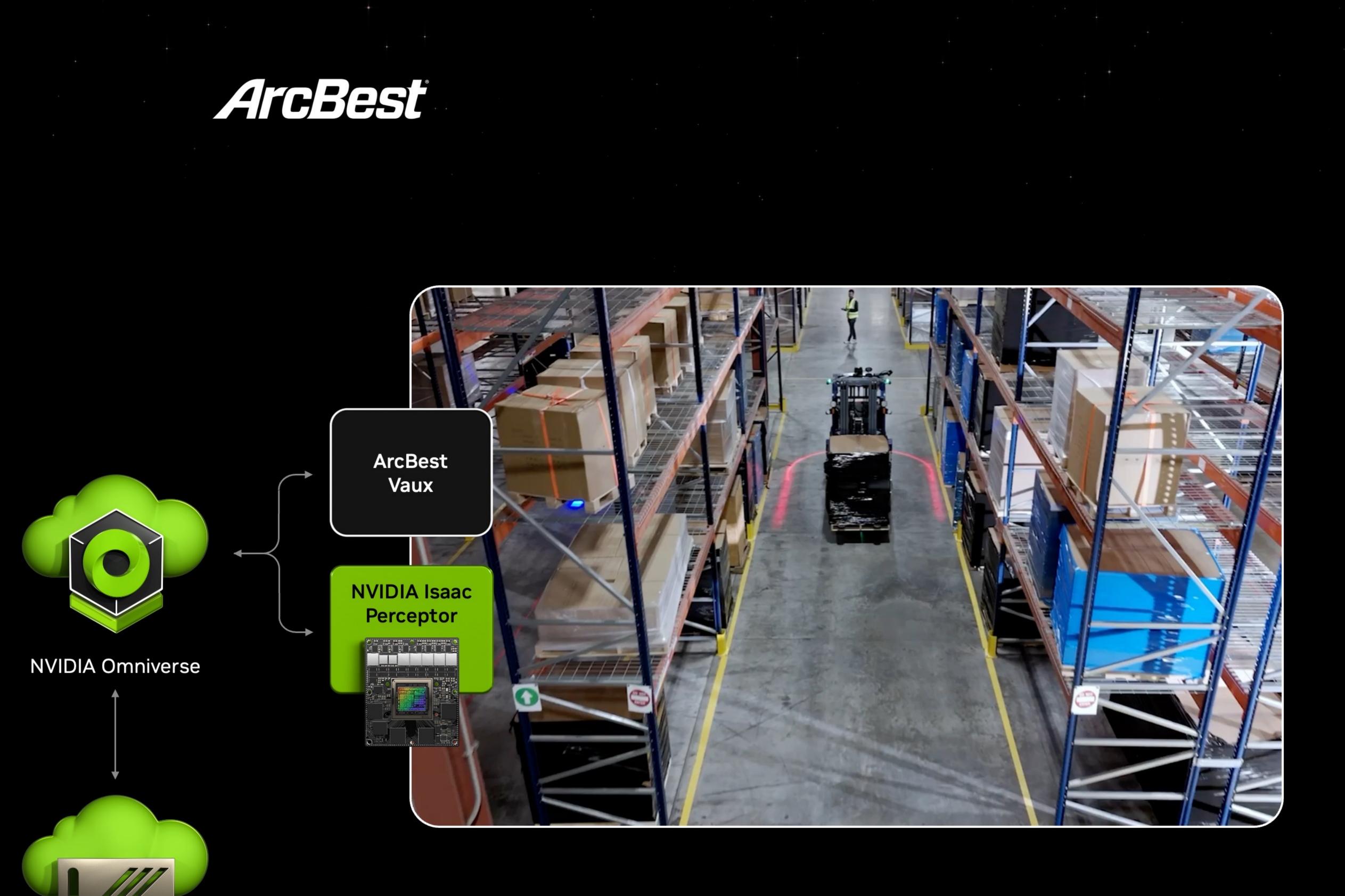


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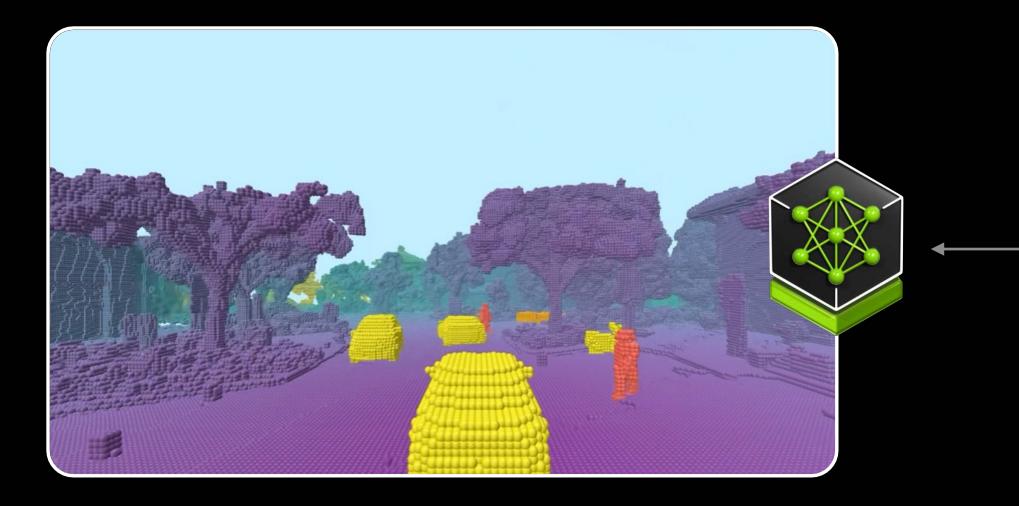


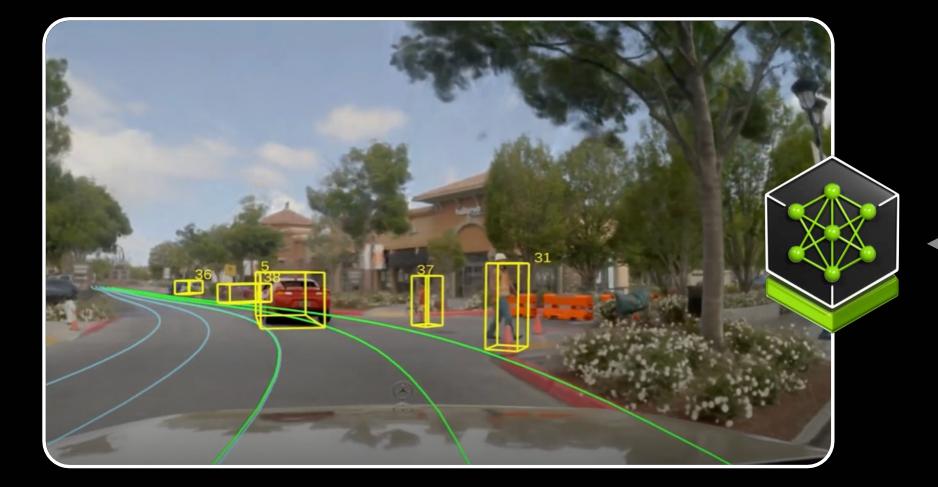




NVIDIA AI



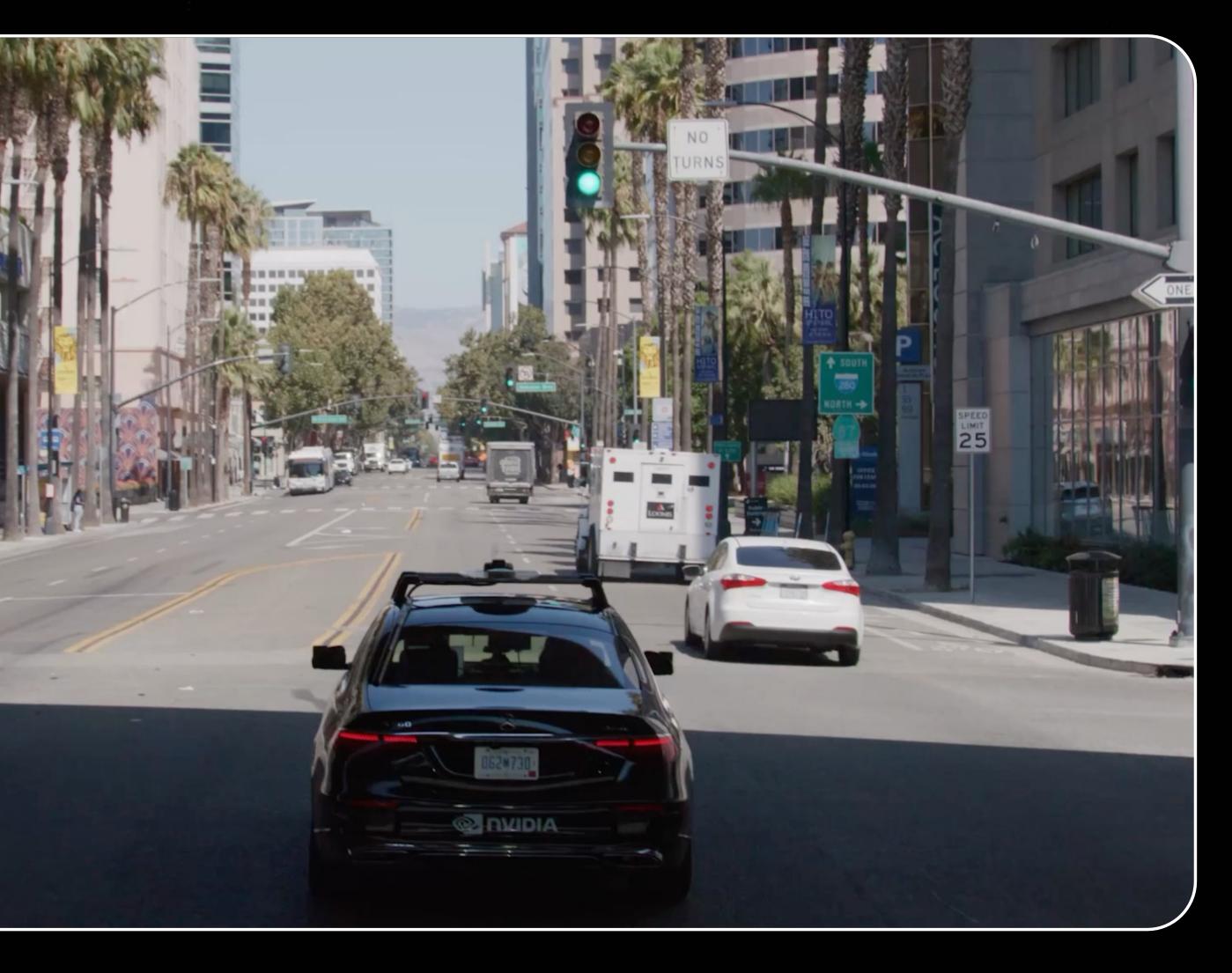




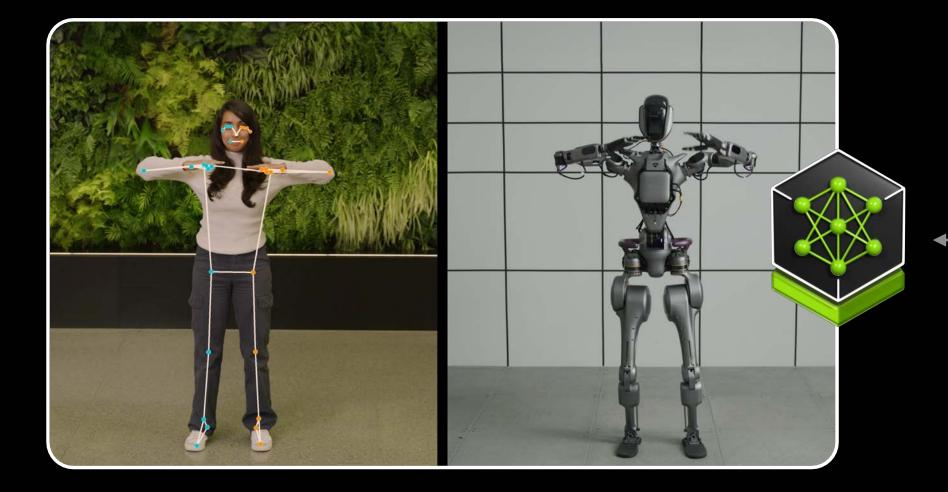


NVIDIA AI

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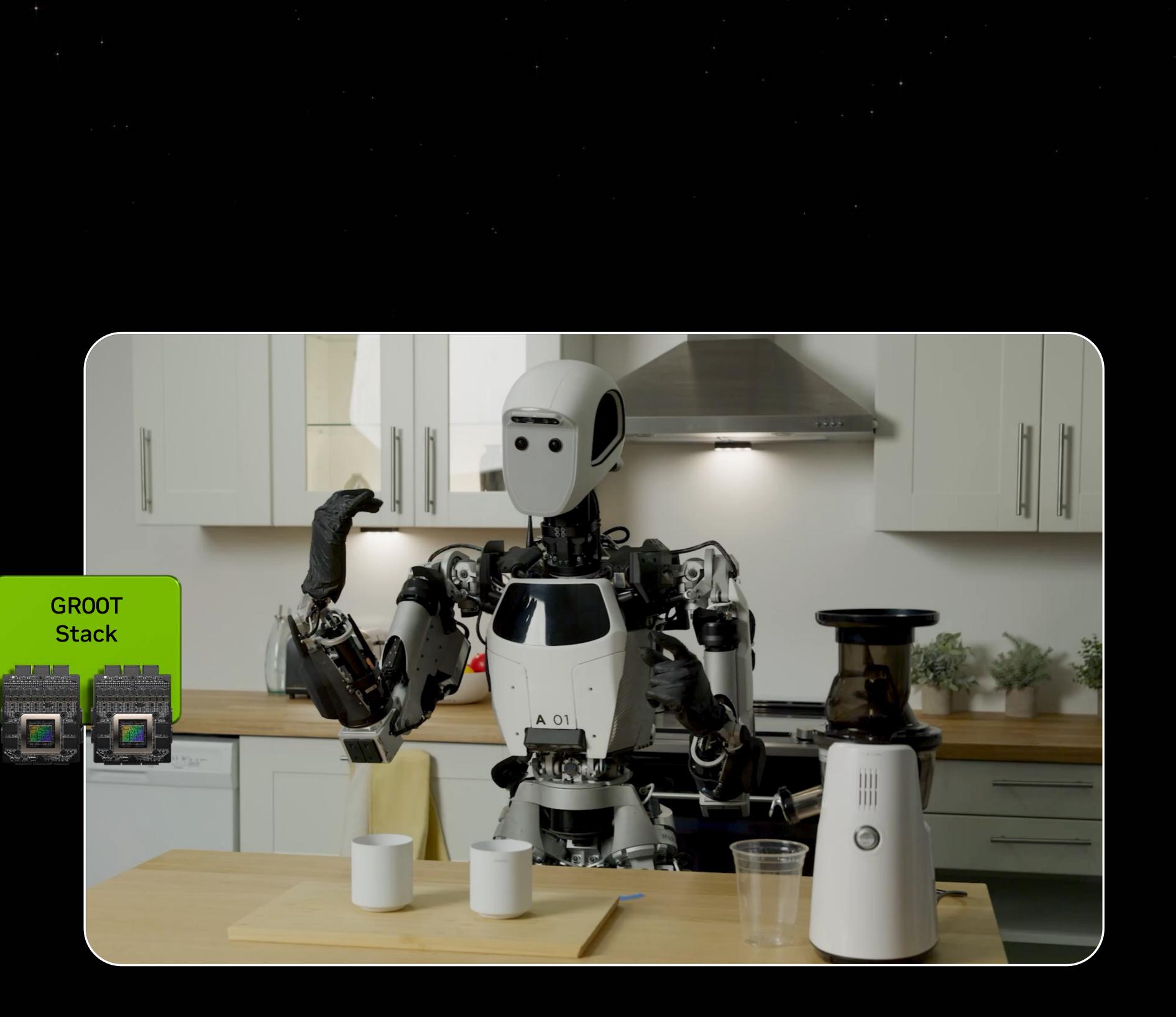










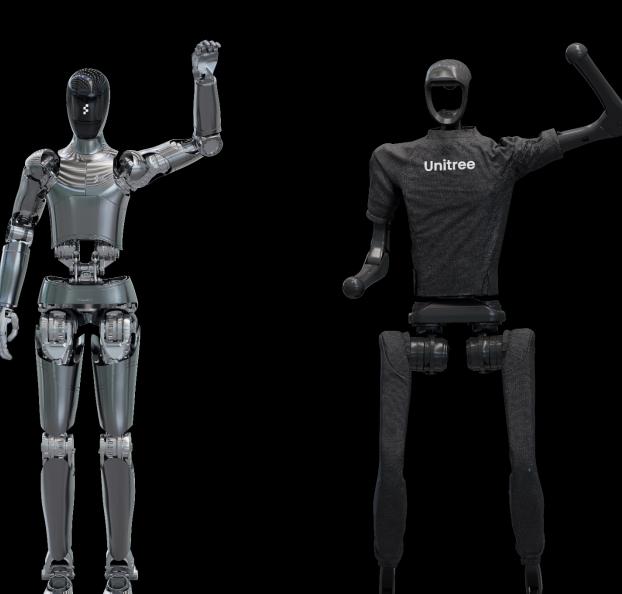




NVIDIA Omniverse



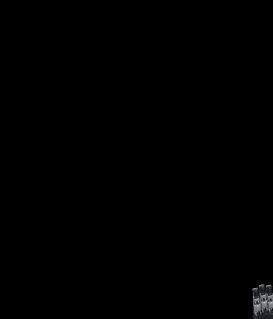
NVIDIA AI







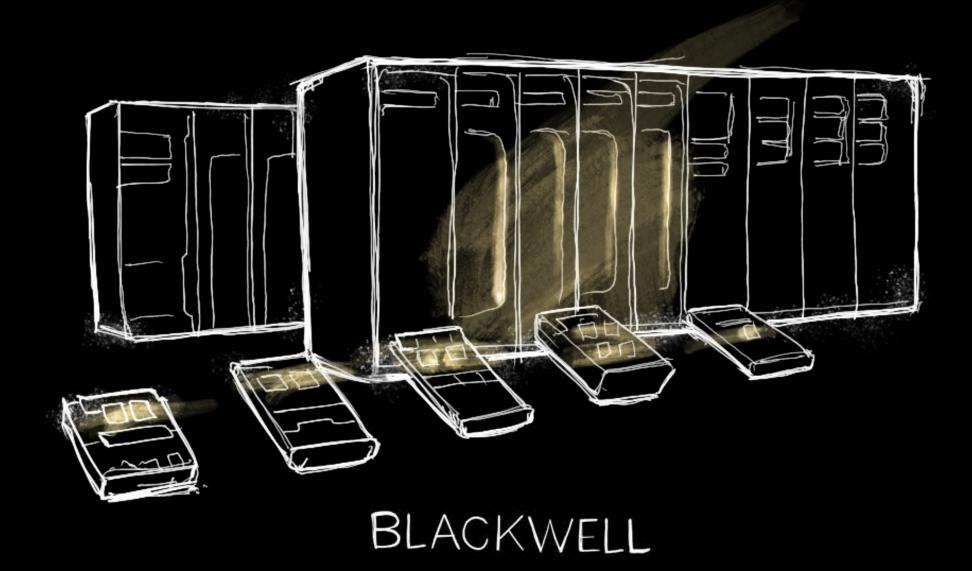


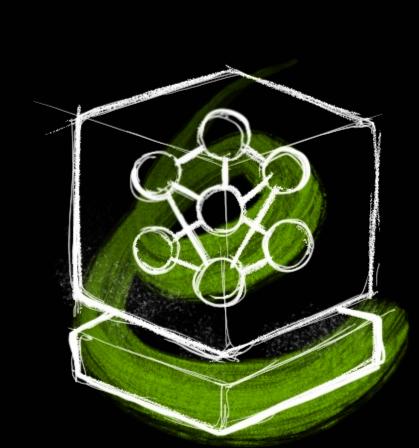




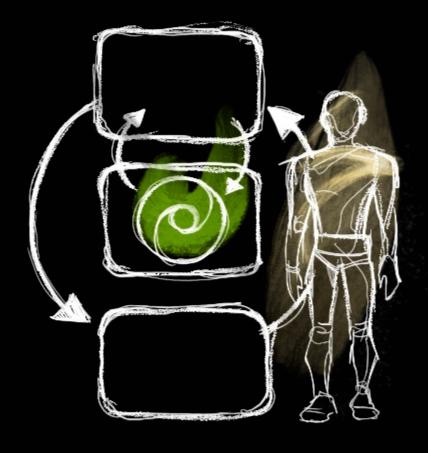
AI FACTORY

新產業革命 "A NEW INDUSTRIAL REVOLUTION"





NIMS



OMNIVERSE/ ROBOTICS







