



The state of

GenAISRAEL

A Unique Competitive Edge

December 2023

In a Nutshell

Generative AI capabilities **expand the effectiveness of traditional AI models**

Corporate adoption is limited to non-core uses

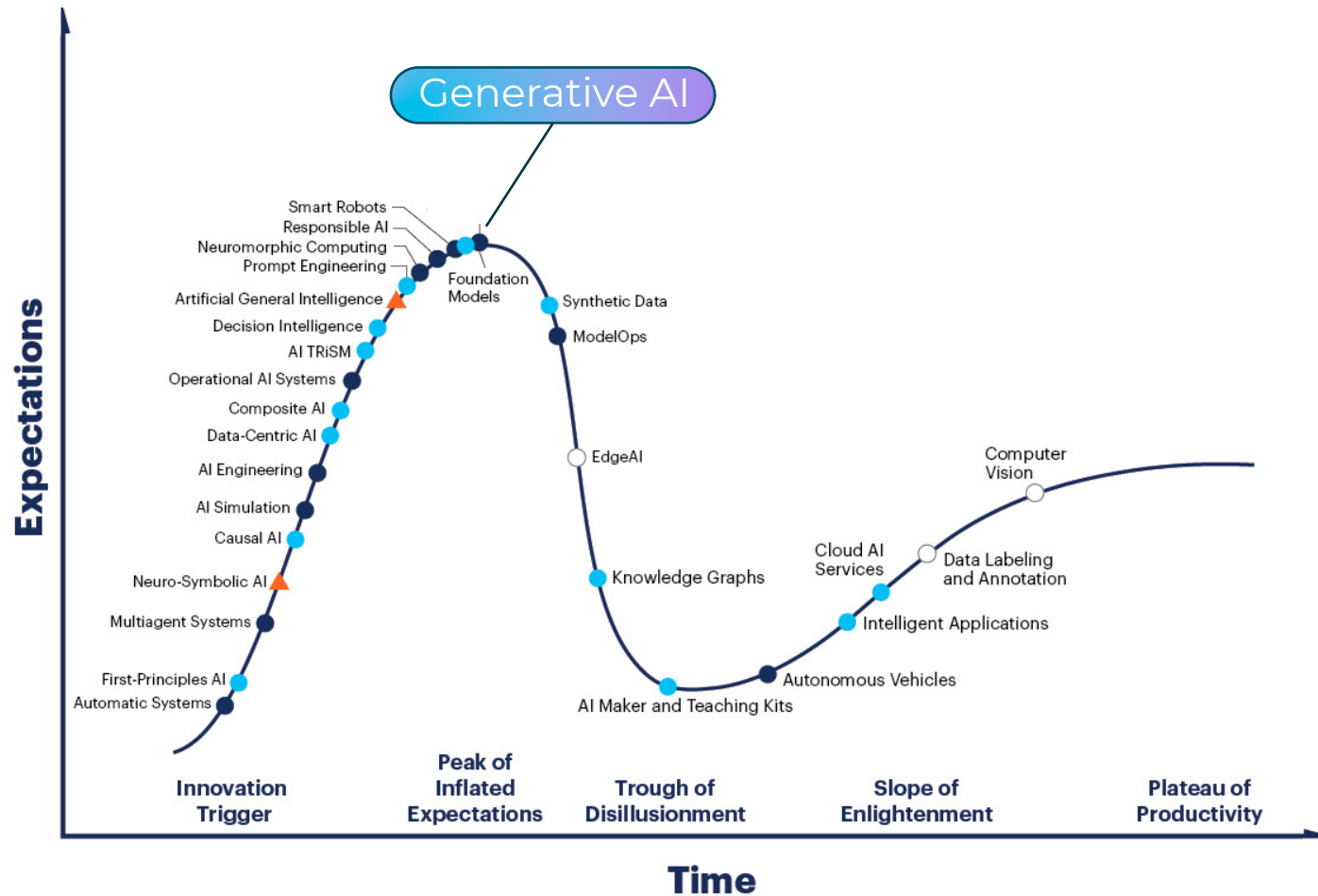
Infrastructure layer is crowded by startups, CSPs and AI Model newly founded giants

Israel is the 2nd largest Generative AI VC ecosystem globally, driven by Application and Infra investments

We believe the main opportunities lay in **Vertical and selected Infrastructure solutions**



Generative AI is at the Peak of the Hype Cycle



Technology advances are focused on **foundation models** and not generative AI applications

Adoption and business impact are **driven by individuals** and slower than anticipated

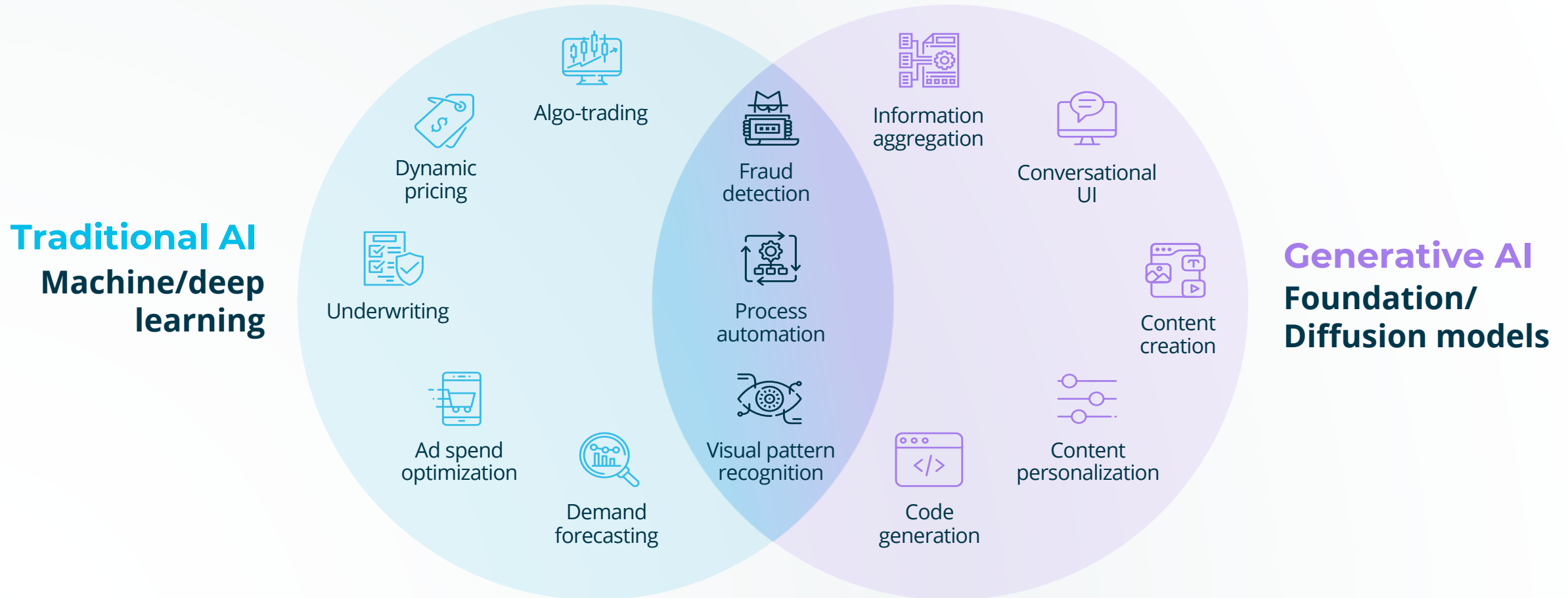
Corporate use-cases have **yet to proliferate** outside of marketing, knowledge management and coding

Plateau will be reached:

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau

Source: Viola; Hype cycle for Artificial Intelligence August 2023, Gartner

Entering an Era of **Interactive Software** while **Expanding Traditional AI**



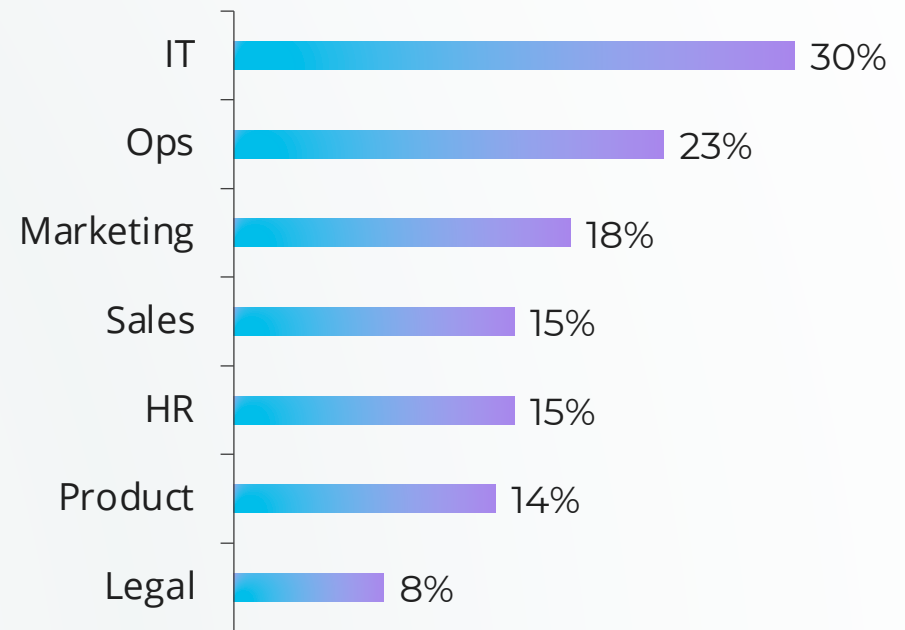
Both Consumer and Corporate Users Exhibit Bottom-Up Adoption

Chat GPT usage is high, while hype being stabilized



Sources: Similarweb; Statista; writer.com generative ai survey

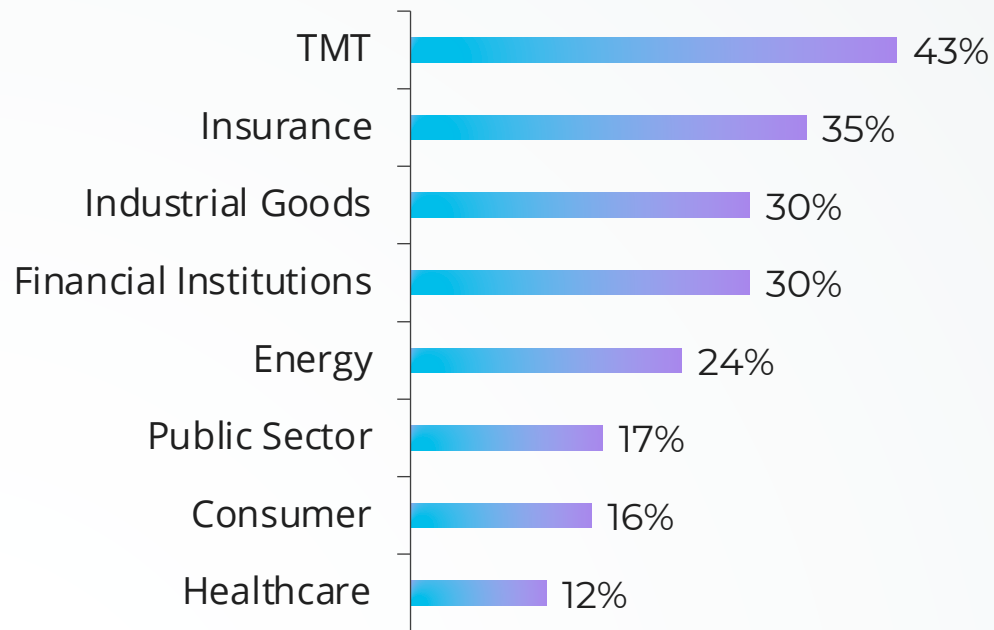
Gen-AI tools are used across the enterprise



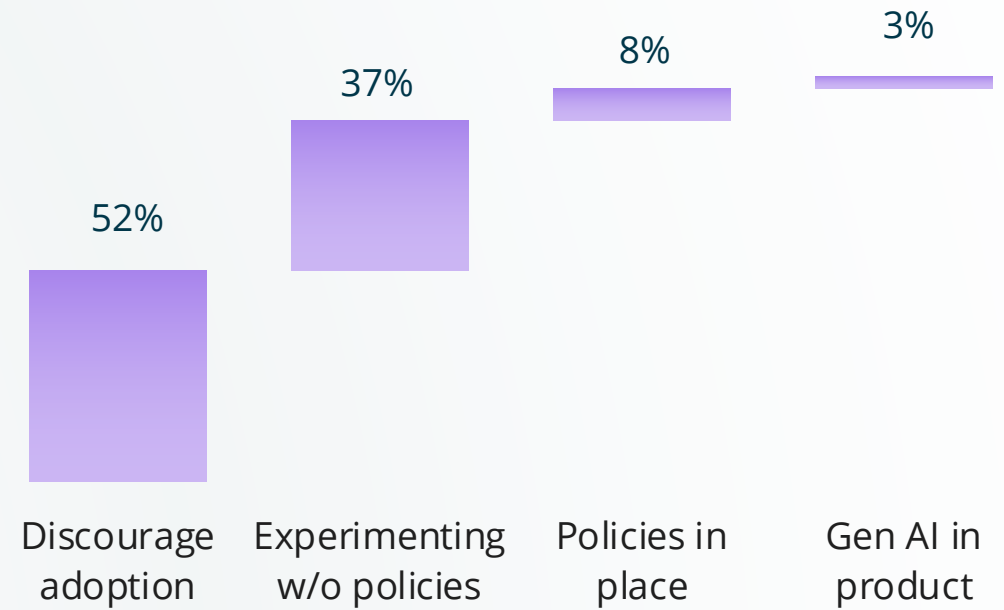
N=466, director and above in companies with >1k employees

Corporate Adoption is Low Across Industries, with Low Buy-In from Executives

GenAI Maturity is low overall, with TMT leading the pack

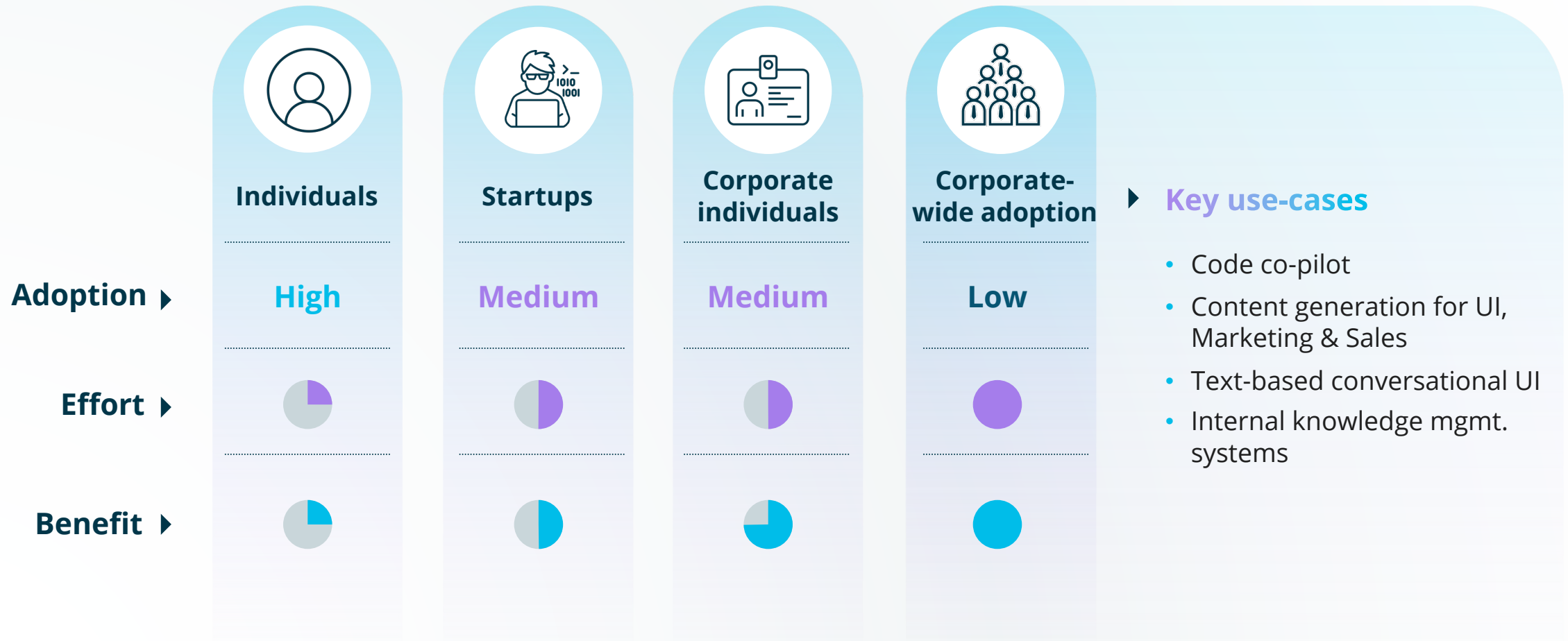


Only 3% of companies use Gen AI in production



Source: BCG Digital Acceleration (DAI) study, Q3 2023
N=2,000 corporate executives

Corporate Adoption is Limited to Non-Core Use-Cases



▶ Key use-cases

- Code co-pilot
- Content generation for UI, Marketing & Sales
- Text-based conversational UI
- Internal knowledge mgmt. systems

Based on discussions with portfolio companies, limited partners and multinational corporates

Enterprise Adoption is Dependent on Solving Key Barriers



Security

- Prompt Injection
- Training Data Poisoning



Performance

- Dynamic Results Testability
- Low-Latency for Real-Time Activities
- Model Fine-Tuning Routine Workflow



Privacy

- Corporate Policy Enforcement
- Data Leakage to 3rd Parties



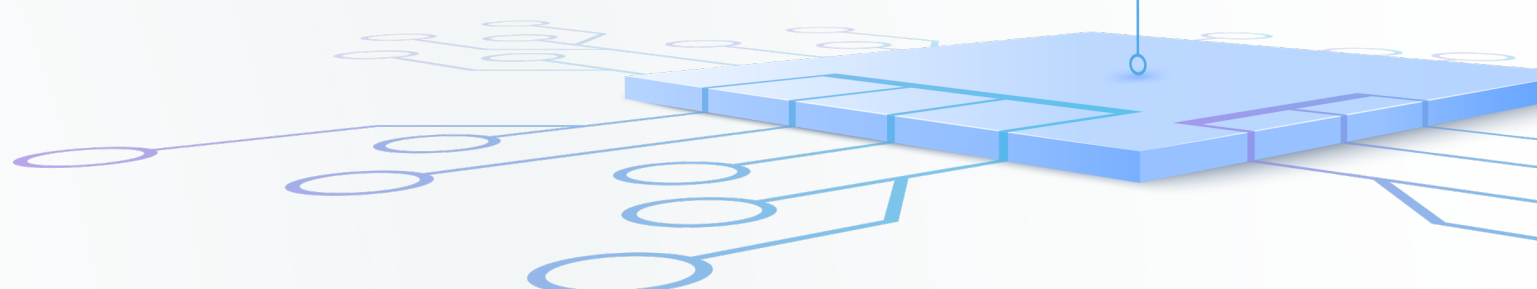
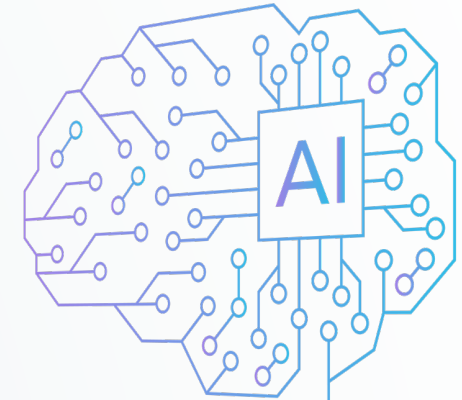
Cost

- Training, Tuning & Running LLM-Based Apps
- Total Cost Visibility
- Scalable Cost Structure



IP & Copyrights

- Copyright Infringement Risk
- Loss of Differentiation



Based on discussions with portfolio companies, limited partners and multinational corporates

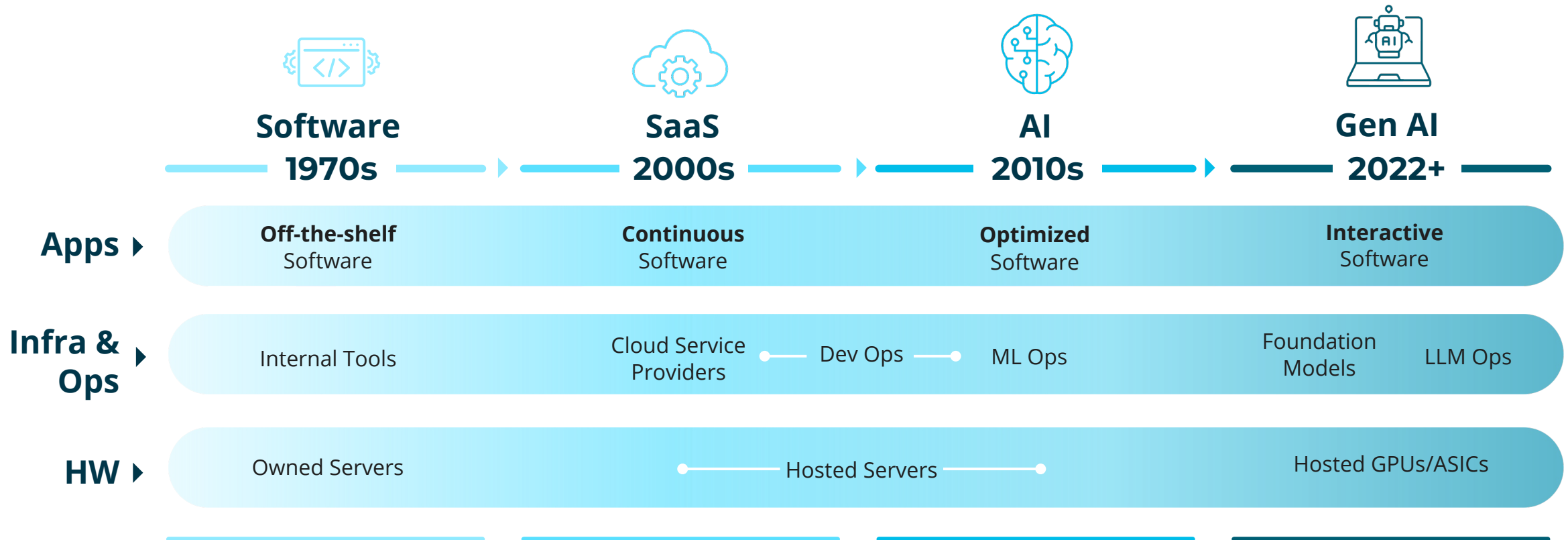


“Software Ate the World,
Now AI is Eating Software”

Jensen Huang, CEO  **NVIDIA**

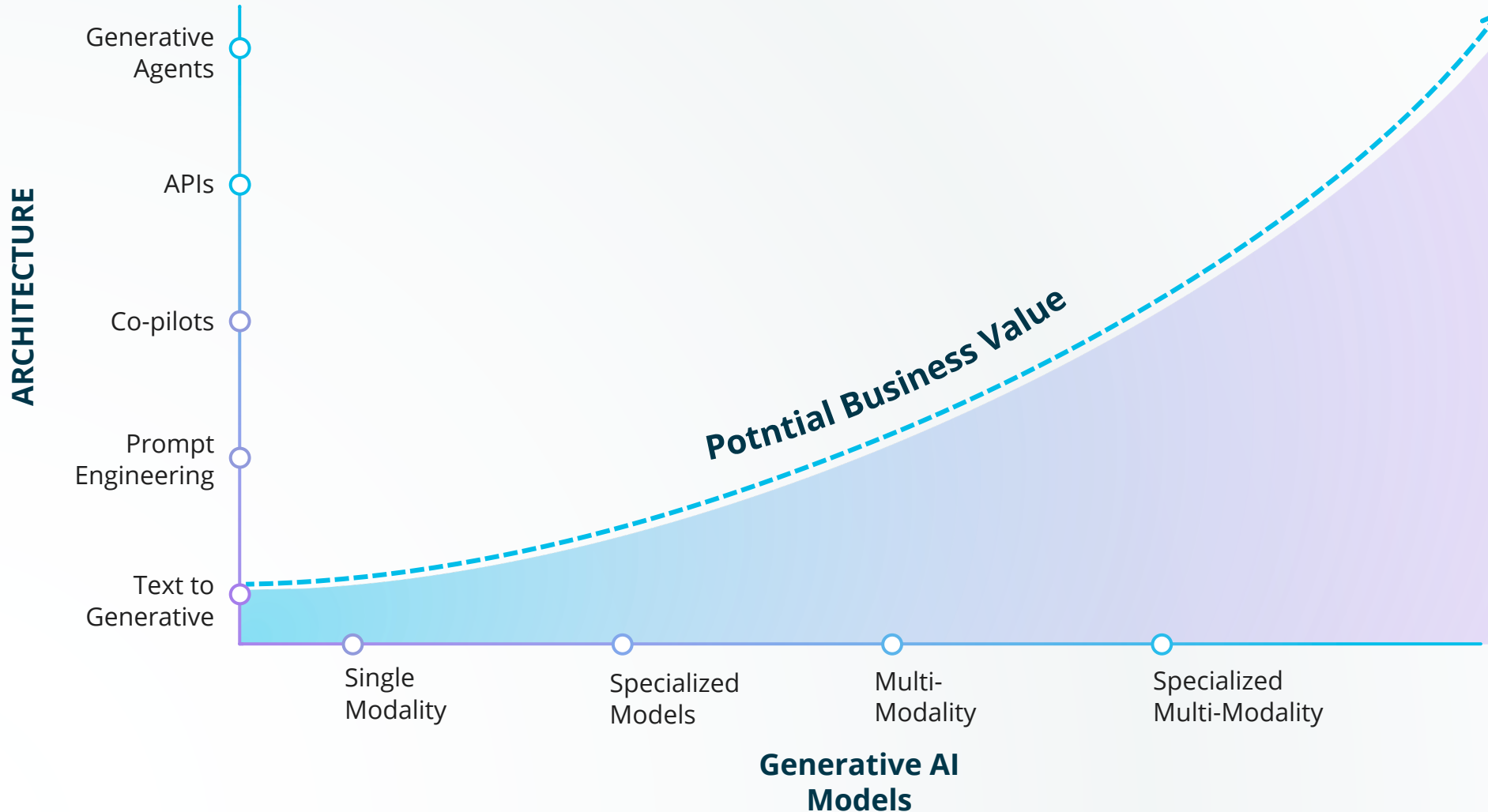
Democratizing AI

Generative AI Shows Promise as the Next Platform Shift



Models and Architecture are Evolving

Multi-Modality Interfaces Powered by Generative Agents Can Have Outsized Business Value



Early Adopters of Core Vertical AI Show Signs of Valuation Premium

Beauty tech leverages data & computer vision to enhance product & shopping experience

ODDITY

- Founded in 2013
- Raised \$130M
- IPO at \$2.3B market cap (July 2023)



revela 2023 \$76M

Biotech AI-powered molecule discovery to explore ingredients



VOYAGE 81 2021 \$40M

Hyperspectral machine vision to detect ingredients via phone camera

Outperforming peers on growth & multiples

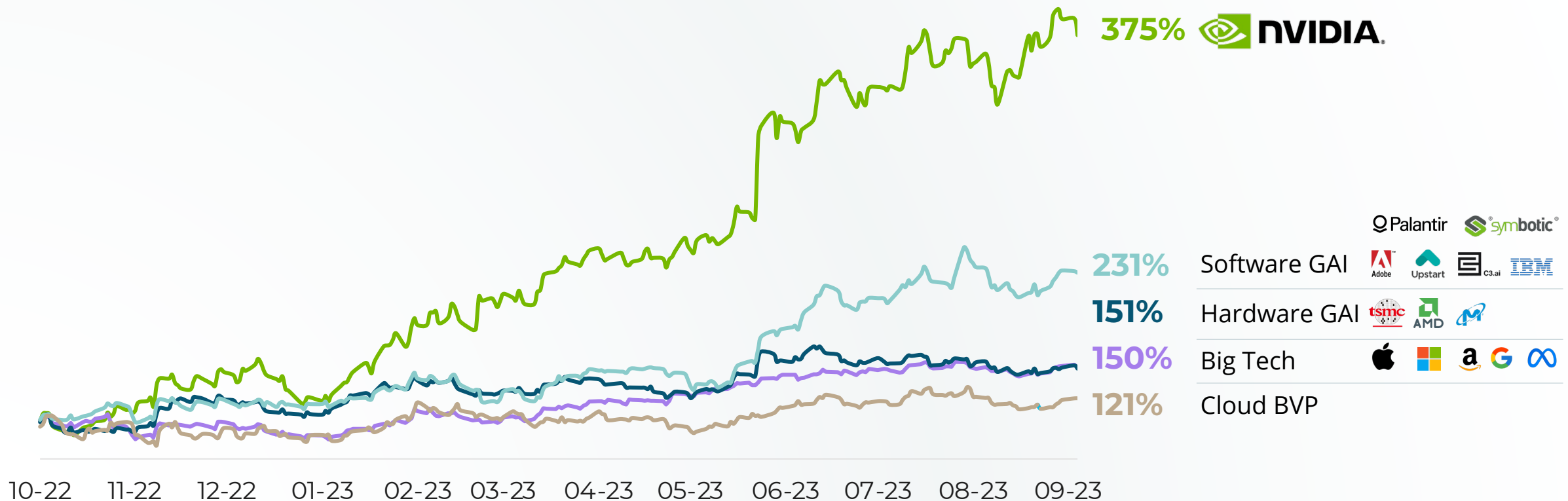
	EBITDA Multiple ¹	Rev. Growth ¹	EBITDA Margin ¹
ODDITY	19.3	21%	20%
L'ORÉAL	2.2	10%	24%
ESTÉE LAUDER COMPANIES	1.8	8%	20%

Source: Financial statements, Pitchbook, GS

1. NTM EBITDA and Revenue are based on analysts' consensus growth expectation for the next twelve months

Generative AI Tailwind Benefits Software, Big Tech and Hardware Generative AI Companies

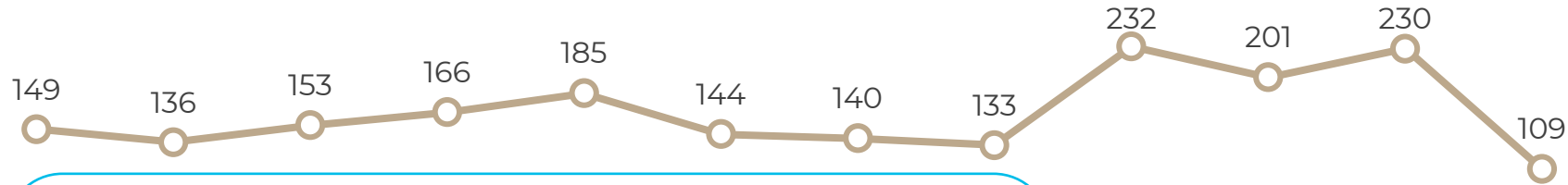
Share price change, Indexed to Sep-22



Public companies that support Generative AI capabilities or are introducing Generative AI capabilities to their core products
Indices are weighted based on market capitalization

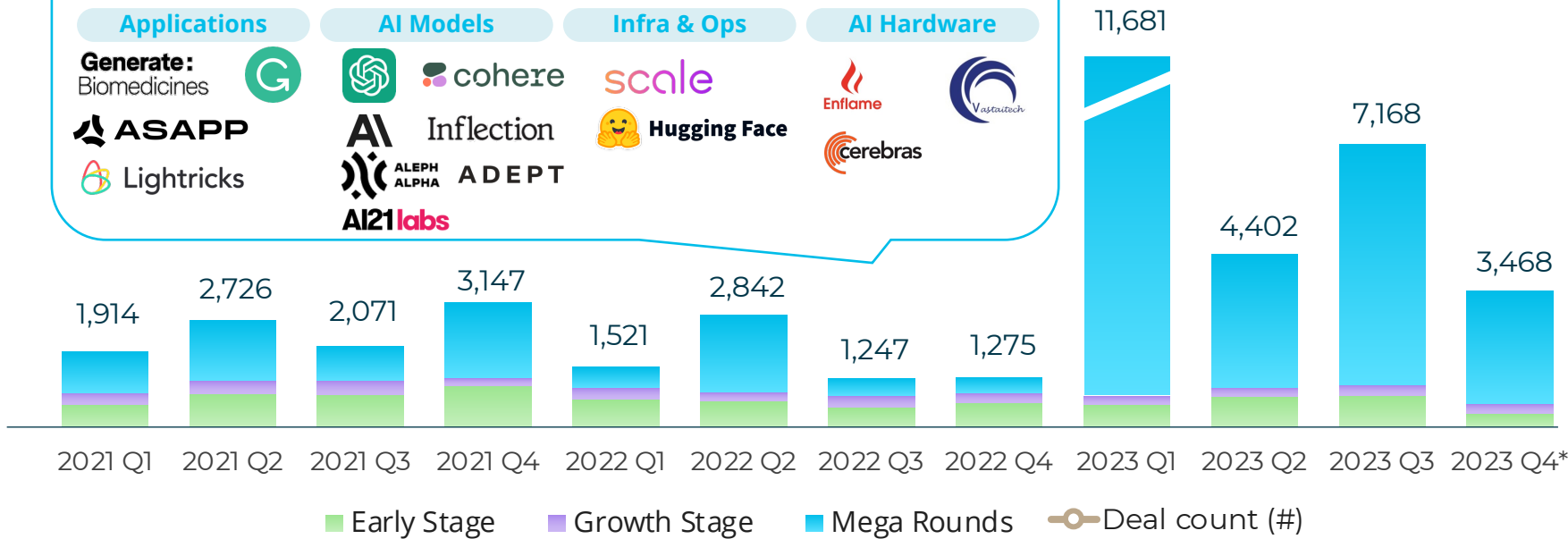
VCs are Active on Early and Mega Generative AI Rounds

2021-2023 VC funding invested (\$M)



60% of global VC was invested in 16 companies

Applications	AI Models	Infra & Ops	AI Hardware
Generate: Biomedicines ASAPP Lightricks	cohere Inflection ALEPH ALPHA ADEPT AI21 labs	scale Hugging Face	Enflame Vastataich cerebras



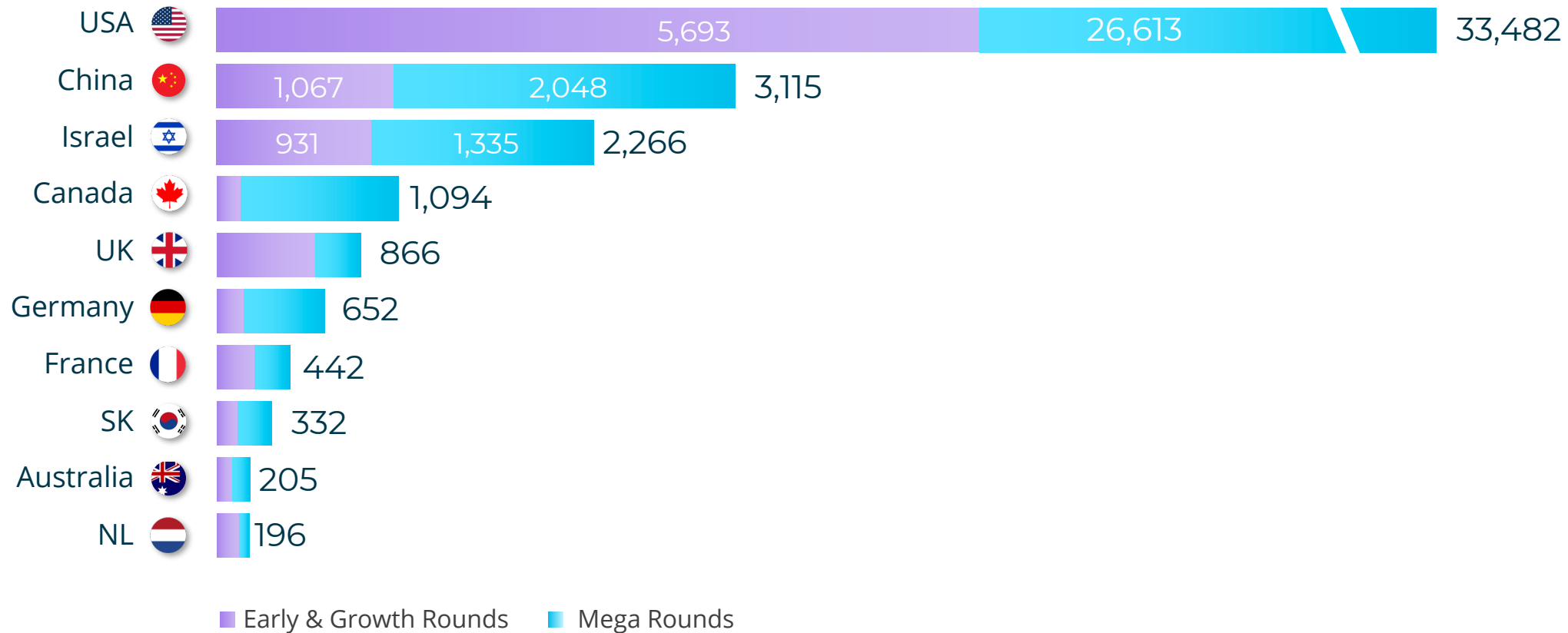
YoY Growth

	21-22	Q3 YTD 22-23
Deal count	-%	41%
Early Stage	(38%)	594%
Growth Stage	(10%)	(10%)
Mega Rounds	(25%)	15%

Source: Pitchbook, Global, Global, #Gen-AI or #AI Hardware
 * 2023 Q4 YTD as of Dec 7, 2023

Israel is the 3rd Largest Generative AI VC Ecosystem Globally

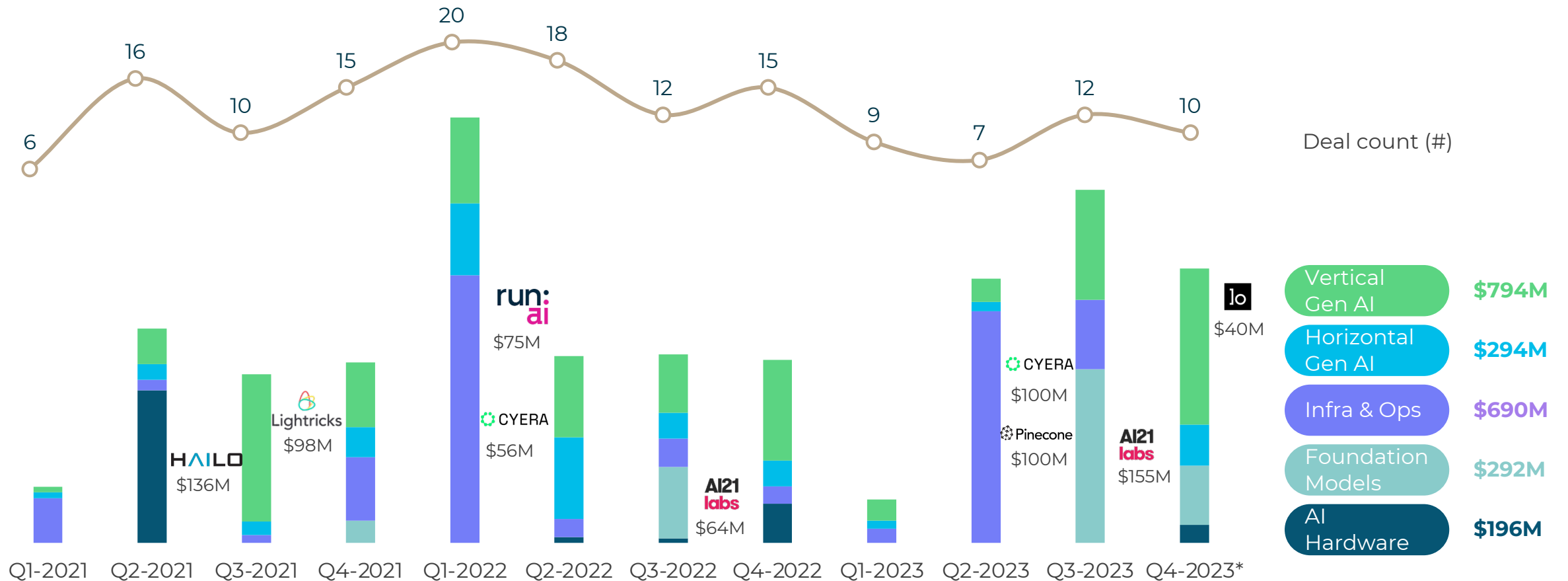
2021-2023 VC funding invested (\$M)



Source: Viola Data, Pitchbook, Global, #Gen-AI or #AI Hardware

Figures include only private equity investments, excluding IPO, M&A, secondaries, university research institute investments and government investments related to generative AI. Those financial investments might skew results, specifically benefiting China and UAE

Generative AI Investments in Israel are Focused on Vertical Apps and Infra & Ops



Source: Viola Data
 Categories are defined in next slides.
 Figures only include companies that have raised +\$1M funding or reached initial traction.
 * 2023 Q4 YTD as of Dec 7, 2023

Applications

Horizontal Generative AI

Software Development



Product

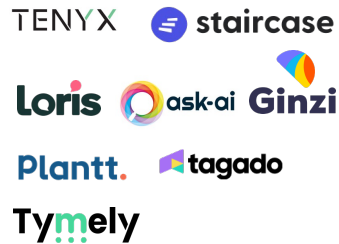


Finance

Marketing & Sales



Customer Support

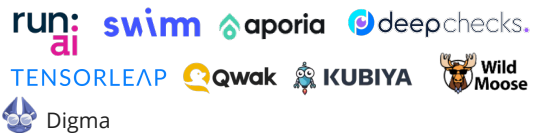


Productivity



Infrastructure & Operations

LLM Ops



Data Infrastructure



Security



Model & Data Tuning

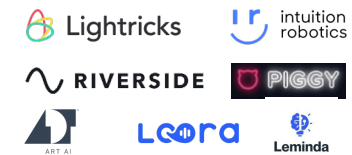


Vertical Generative AI

Healthcare



Consumer



Retail



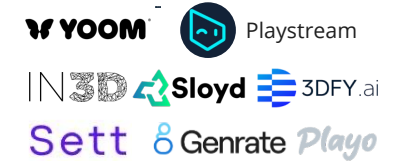
Security



Entertainment



Gaming



Legal



Fintech



FoodTech



PropTech



Traditional Industries



Foundational Models



AI-Hardware Optimization



5 Generative AI Categories

Each Requires Different Business Models, Technology & Ecosystems

Horizontal Generative AI

End-user apps serving functions within organizations across different industries

Vertical Generative AI

End-user apps serving industry specific functions & utilizing Gen-AI in core product

Infrastructure & Operations

Developer apps either utilizing Gen-AI in core product or optimizing utilization of LLMs/Diffusion Models

Foundational Models

Proprietary LLM and Diffusion Model developers

AI-Hardware Optimization

Hardware and software for AI-enabling chipsets

Israel Has Strong AI Environment and Know How to Win Generative AI Categories

Established AI Leaders with GTM Know How

 **PAGAYA**


Fintech

 **immunai**


Healthcare

 **Simply**


Consumer

 **verbit**


Prof. services

 **TARANIS**


Climate

 **4M** 4M Analytics


Construction

 **trax**


Retail

Critical Mass of Global R&D Centers

 **NVIDIA**

Hyperscale Gen AI
supercomputer

Google

Largest non-USA AI
search team

Microsoft

Leading GPT security
& office co-pilots

+50

Other MNC Leading
R&D centers

Where Do We Go From Here?

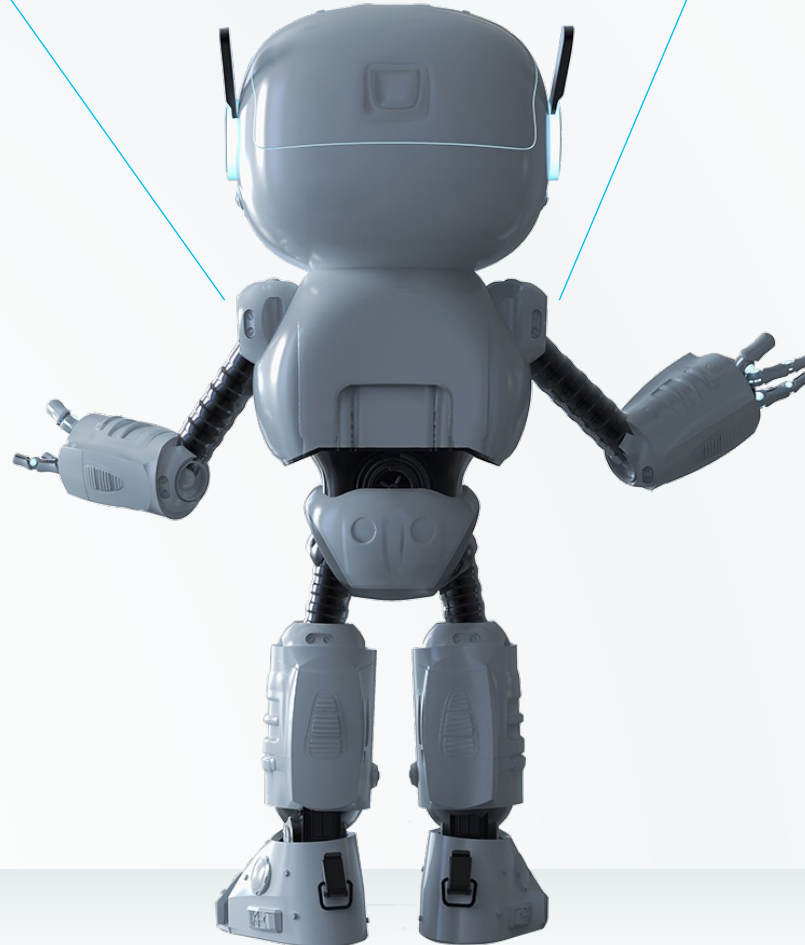
Applications

Application layer will blur as SaaS companies continue introducing Generative AI into **core products**

Horizontal software will be **dominated by incumbents** as they own the data and have access to existing client base

Horizontal services will be **replaced by Generative AI winners** (e.g., SDR, customer support, personal assistants)

Vertical Generative AI will prevail by addressing industry specific needs at **high ACV**



Tech Stack

Democratization of AI software development will shift teams to focus on **product understanding** and **GTM excellence**

Time to market will shorten, **reducing tech-based competitive moats**

Access to superior data will become key

Text focus will evolve to **Multi-Modal UX**

Agent based architecture will introduce new use-cases

Model companies will either be **commoditized** or become the **new CSPs for AI**

What are we looking for in Generative AI companies



Product

- Strong founders' product capabilities to be customer centric and adapt
- Significant application layer on top of Generative AI, not just UX or API
- Solution that leverages multi-modality and multi-model environment
- Ops & Infra products with advantage over CSPs/ AI Model companies

Business

- Solve a core business need that Traditional AI doesn't
- Replace knowledge-based services requiring real-time interaction or unstructured data
- Clear ICP and competitive advantage over direct & in-direct alternatives
- Method creating dependencies and stickiness

