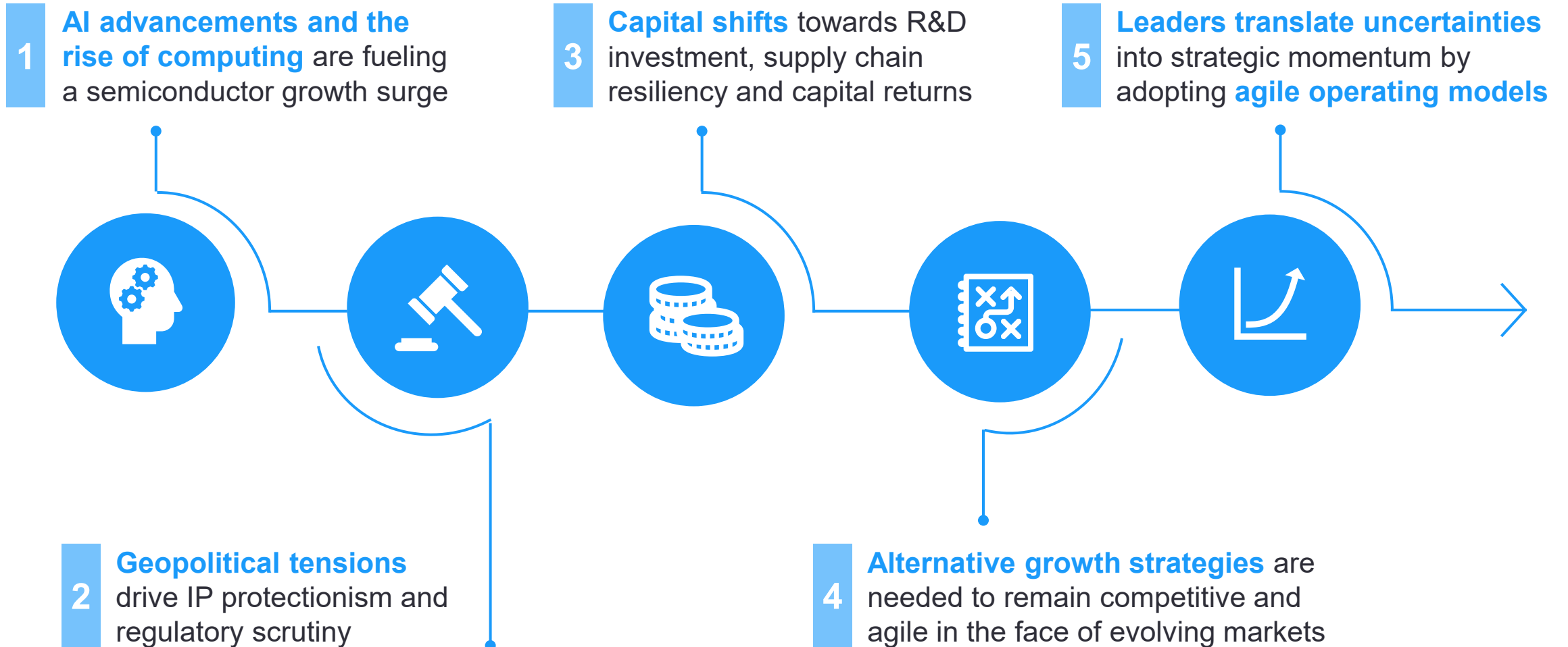


Beyond Mega Deals

Rethinking Growth and Capital Allocation Strategies

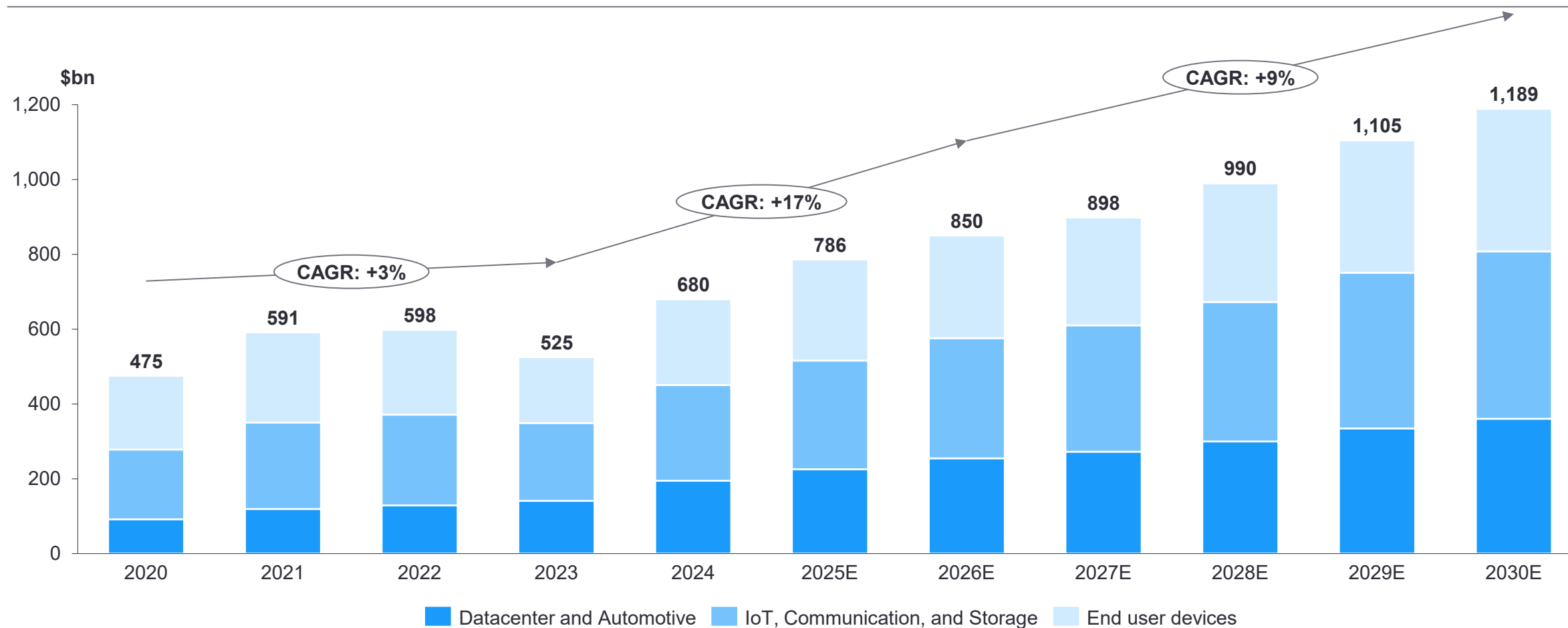
GSA Asia Pacific Executive Forum – Taiwan
5 November 2025

The race for AI supremacy coupled with geopolitical tension has raised **uncertainty** within the industry despite high market growth



The industry is **well-positioned** to reach \$1 trillion+ in annual demand by 2030, even with a forecasted CAGR slowdown after 2026

Market Demand¹

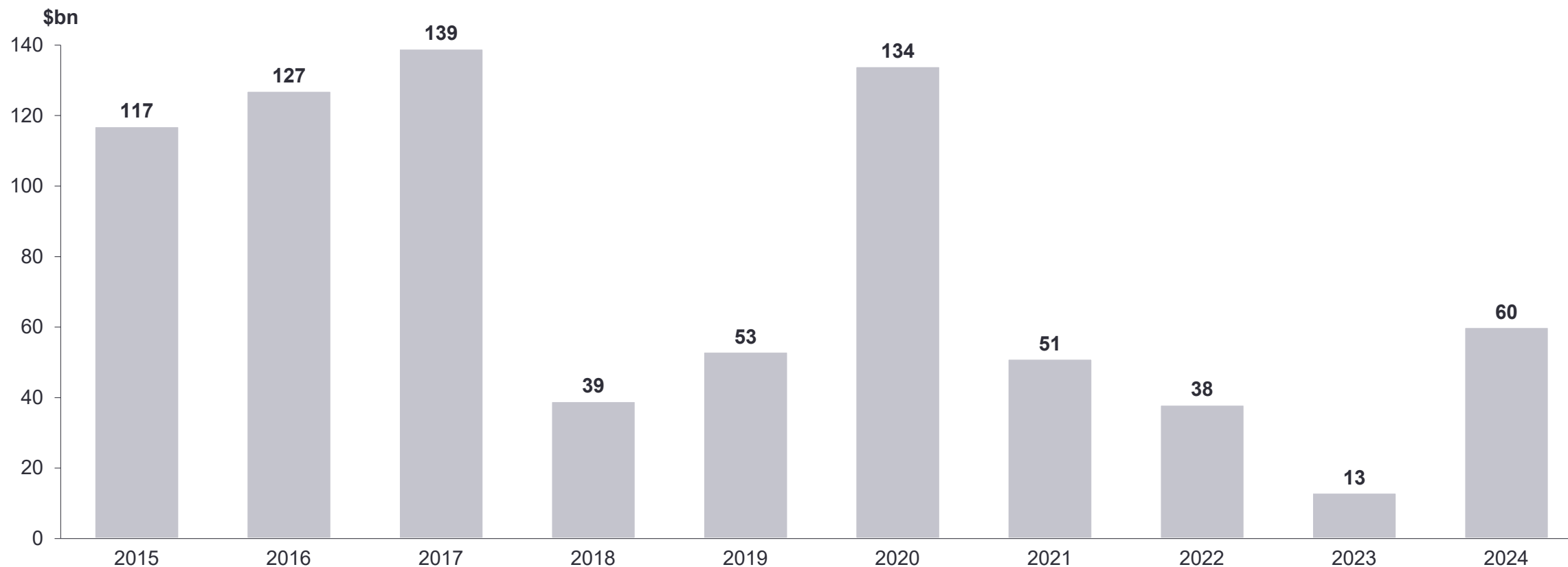


1. Market demand includes the aggregate annual value of (1) **Datacenters** – x86 servers and others; (2) **Automotive** – Si, SiC, GaN and others; (3) **IoT** – game consoles, smart TV & home, set top boxes, wearables, industrial electronics, aerospace defense, and other computing and consumer uses; (4) **Communication** – wireless infrastructure, SP switch & routers, WLAN access points, and others; (5) **Storage** – SSD storage, HDD, and others; (6) **End user devices** – 5G phones, 4G phones, mobile PCs (consumer & commercial), desktop PCs (consumer & commercial), media tablets, and others

Source: IDC Worldwide Semiconductor Market Forecast; Secondary research and EY-Parthenon analysis

Heightened scrutiny around cross-border activity has prompted a decline in mega deals, driving a **renewed focus** on alternate growth levers

Announced Semiconductor M&A¹

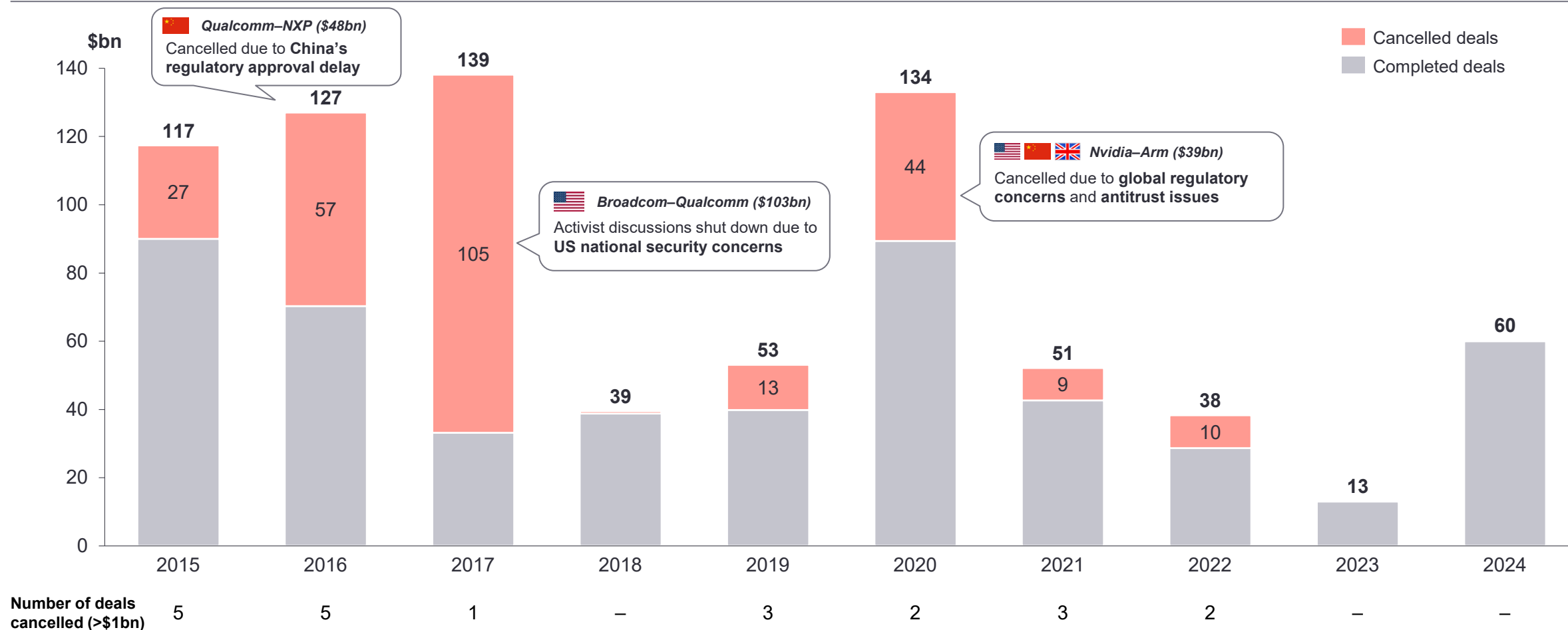


1. **M&A**: total net transaction value for completed and cancelled transactions (mergers, carve-out acquisitions, spin-offs / split-offs, private placements, and VC investments) for semiconductor IDMs / fabless, foundries, equipment makers, EDAs, raw material suppliers, and OSATs

Source: Public company filings; Secondary research and EY-Parthenon analysis

Heightened scrutiny around cross-border activity has prompted a decline in mega deals, driving a renewed focus on alternate growth levers

Announced Semiconductor M&A¹: Cancelled

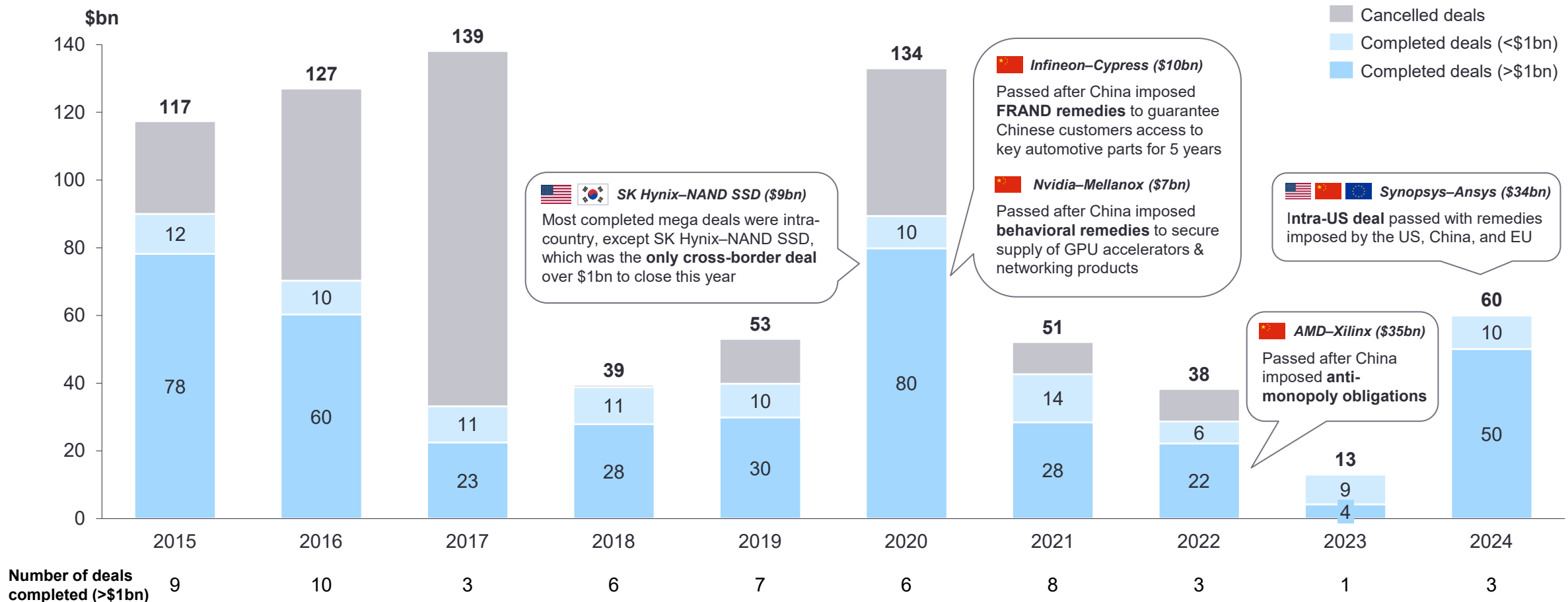


1. **M&A**: total net transaction value for completed and cancelled transactions (mergers, carve-out acquisitions, spin-offs / split-offs, private placements, and VC investments) for semiconductor IDMs / fabless, foundries, equipment makers, EDAs, raw material suppliers, and OSATs

Source: Public company filings; Secondary research and EY-Parthenon analysis

Heightened scrutiny around cross-border activity has prompted a decline in mega deals, driving a renewed focus on alternate growth levers

Announced Semiconductor M&A¹: Completed

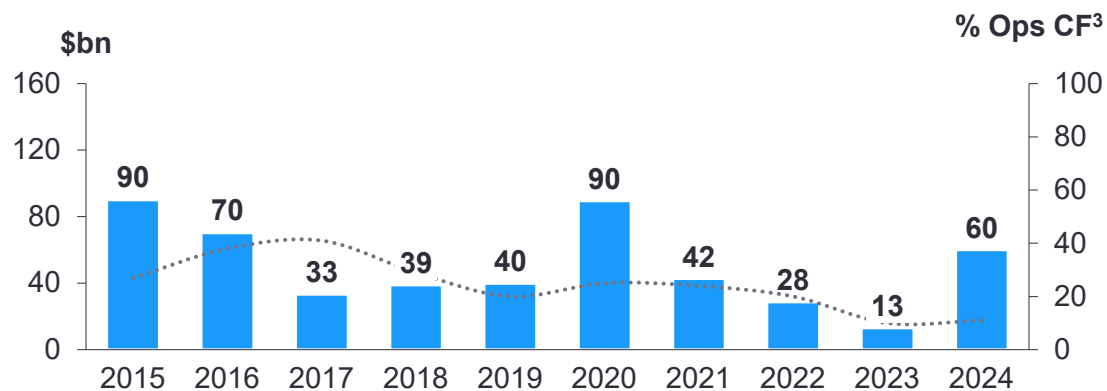


1. **M&A:** total net transaction value for completed and cancelled transactions (mergers, carve-out acquisitions, spin-offs / split-offs, private placements, and VC investments) for semiconductor IDMs / fabless, foundries, equipment makers, EDAs, raw material suppliers, and OSATs

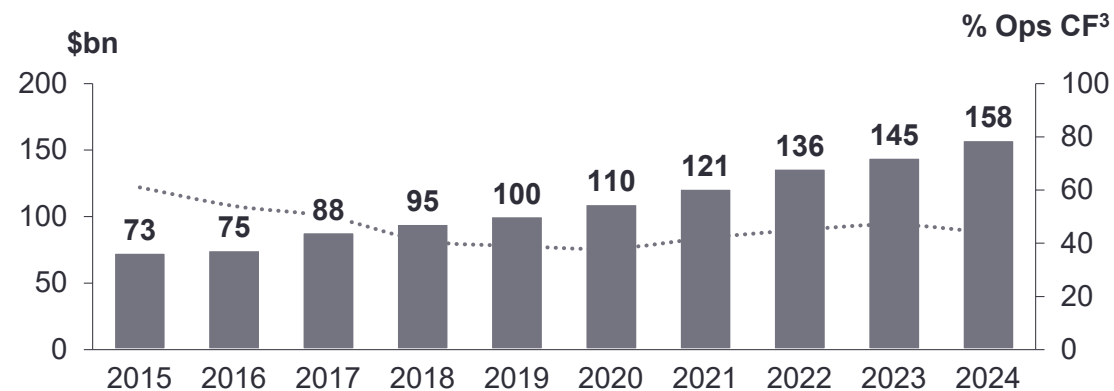
Source: Public company filings; Secondary research and EY-Parthenon analysis

Large-scale M&A has declined with **strategic capital flows shifting** in part to supply chain resiliency, technological sovereignty, and capital holders

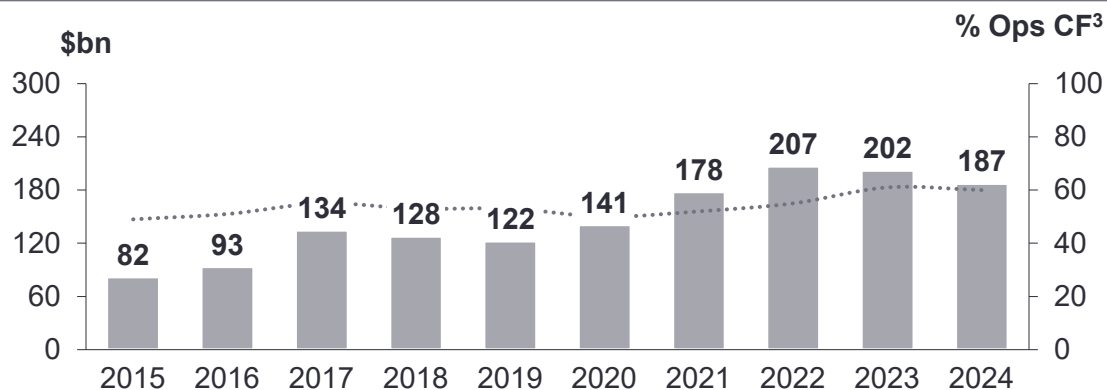
M&A¹



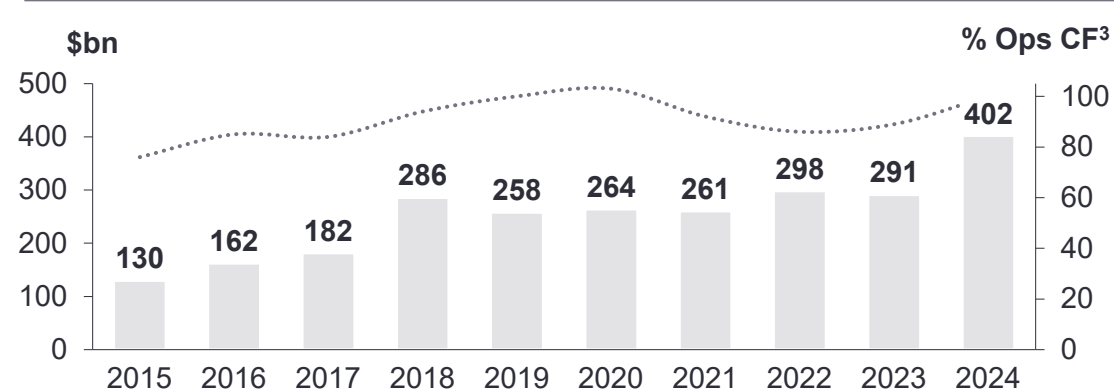
R&D



Capital Expenditures



Dividends, Share Buybacks, and Debt Repayment²



Note: Analysis includes semiconductor IDMs / fabless, foundries, equipment makers, EDAs, raw material suppliers, and OSATs

1. **M&A:** total net transaction value for completed transactions (mergers, carve-out acquisitions, spin-offs / split-offs, private placements, and VC investments)

Source: Public company filings; Secondary research and EY-Parthenon analysis

2. **Dividends, Share Buybacks, and Debt Repayment:** common & preferred dividends paid, common & preferred shares repurchased, and long- & short-term debt repayment

3. Operating free cash flow trend line represents average trailing 3 years on an annualized basis

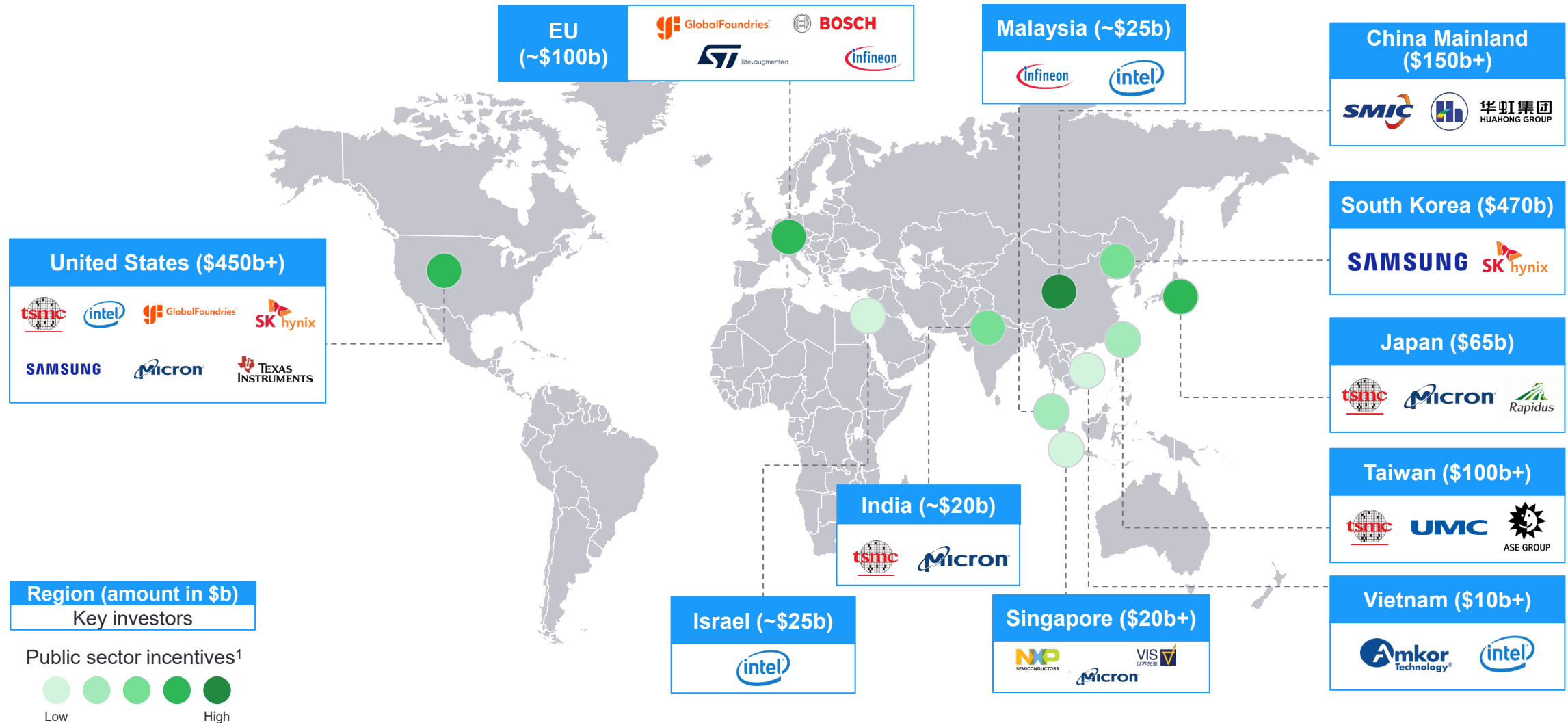
Industry leaders are pursuing a **variety** of growth strategies

ILLUSTRATIVE

Organic	Capacity expansion		Investments in manufacturing & design sites in Arizona, Texas, and Japan
	Ecosystem partnerships		Open AI and AMD entered a multi-year partnership to power OpenAI's next gen AI infrastructure across multi-gen AMD GPUs
	Industry alliances		Joint3 unites 27 global leaders in the semiconductor supply chain to form a robust specialized R&D hub
	Licensing & IP agreements		Synopsys and Samsung Foundry strengthened partnership via strategic licensing agreement for 3nm and 2nm process node IP
Inorganic	Vertical integrations		Nvidia cash infusion and partnership with Intel to drive performance stack end-to-end by coupling CPUs and GPUs via NVLink
	Corporate venture capital		Samsung co-led early-stage strategic financing in Tenstorrent to accelerate next-gen AI chips and RISC-V innovation
	Talent tuck-ins		AMD acquired Untether AI, investing in talent capabilities to boost AI inference and chip design expertise

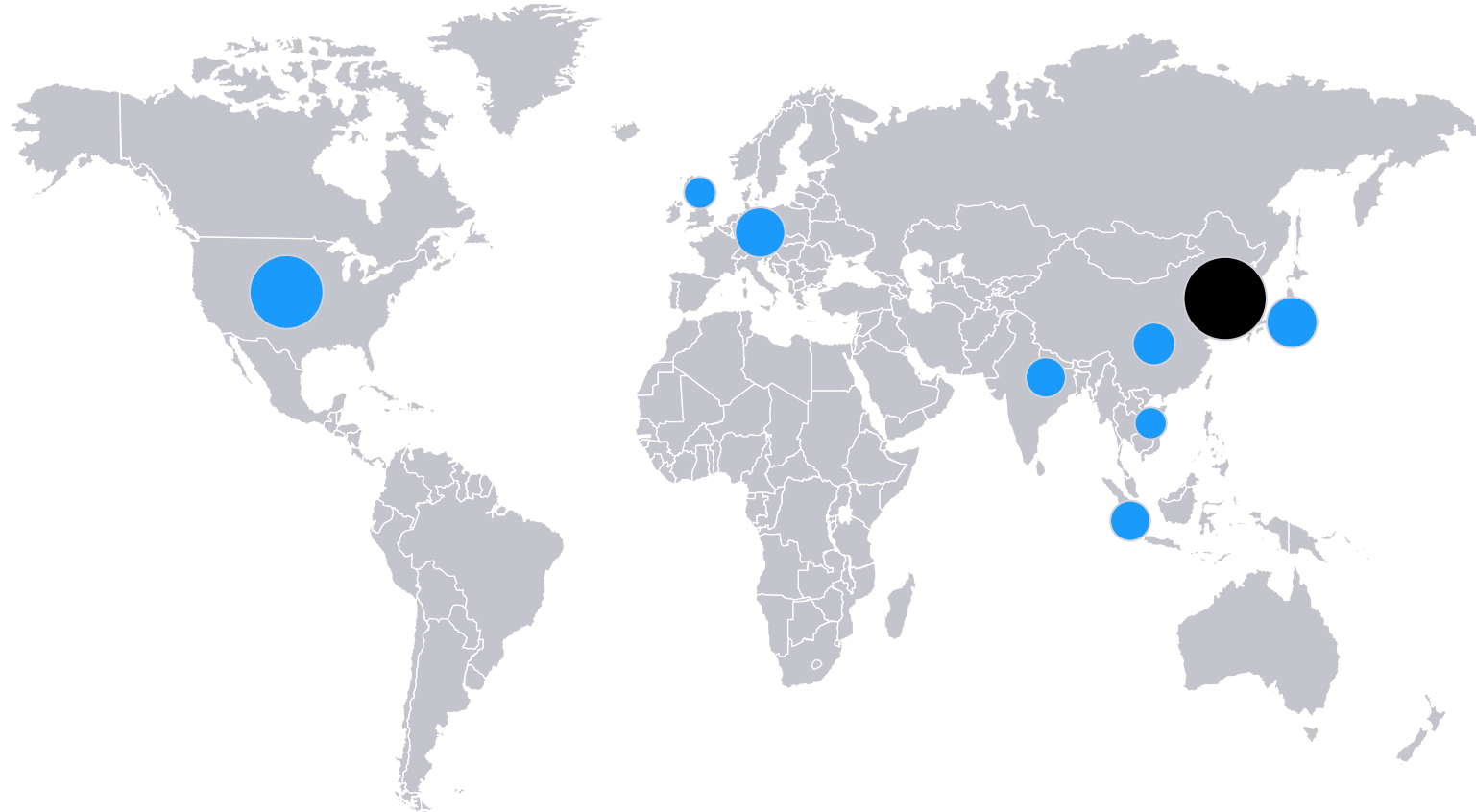
Public sector incentives are fuelling global manufacturing investments as companies ramp up capacity to address surging demand and production shortages

ILLUSTRATIVE



1. Scale is based on an absolute total dollar value of public sector incentives announced and planned
Source: Secondary research and EY-Parthenon analysis

What started as a central operation within one nation has grown into multiple end-to-end operations and networks across several countries...giving rise to **Regionalization**



● Nexus ● Investment flow

Bubble size indicates directional volume of anticipated investment

Overcoming operational complexities will require market-led and customer-driven innovation, resilient, adaptive supply chains and a borderless talent model



**Application-Centric
Innovation**



**Supply Chain
Resiliency**



**Fostering Talent
Ecosystem**

Leaders must embed **operations and innovation** where their customers thrive, building agile ecosystems that anticipate market needs and accelerate regional impact



Application-Centric Innovation

Category	Impact	Example
 Innovate alongside markets	... to accelerate product development and stay on the cutting edge	       
 Innovate alongside customers	... to respond faster to specialized requirements	         
 Innovate alongside ecosystems	... by aligning supply chains with customer needs and strengthening local manufacturing and R&D capabilities	     

Leaders must architect supply chains for **resilience** and adaptability, forging alliances and planning for uncertainty to secure growth in a dynamic global landscape



Supply Chain Resiliency

Category	Impact	Example
 Diversify supply chain footprints	... to reduce risk from geographic concentrations and associated disruptions	    
 Integrate business planning and agility	... to enable faster response to market volatility , accelerating decision and commitment times	   
 Real-time risk management and digital supply chain mapping	... implementation of digital twin, scenario planning and testing	 

Leaders must adopt a borderless **talent mindset** by mobilizing skills across geos, redefining talent pools, and forging **unconventional** pathways to build resilient global ecosystems



Fostering Talent

Category	Impact	Example
 Mobilize talent across borders	... to build agility and accelerate fab ramp-ups by moving expertise where it's needed most	  
 Broaden the talent definition	... to reduce operational bottlenecks and strengthen the entire value chain beyond traditional engineering roles	 
 Foster talent ecosystems	... to build regional resilience and localized capability that scales with demand, ensuring sustainable growth in new markets	  

Players that can translate complexities into strategic momentum are likely to prove as **resilient market leaders** with continued growth capture



Application-Centric Innovation

Establish **strategic presence** in key end-user verticals to gain firsthand insights into evolving needs



Supply Chain Resiliency

De-risk from geopolitical conflicts, regulatory, and trade uncertainties



Fostering Talent Ecosystem

Invest in mutually beneficial academic and research **partnerships**

Agility, innovation and collaboration is pivotal to driving industry growth

The background is a composite image of Earth from space. The top half shows the blue curve of the atmosphere against a dark sky. A bright, glowing light source, possibly the sun, is visible on the right side, creating a lens flare effect. The bottom half of the image shows a dark, textured surface of the Earth, overlaid with a complex network of golden-yellow lines and dots, resembling a global communication or data network. Two vertical blue bars are positioned on the left and right sides of the image, framing the central text.

Thank you!