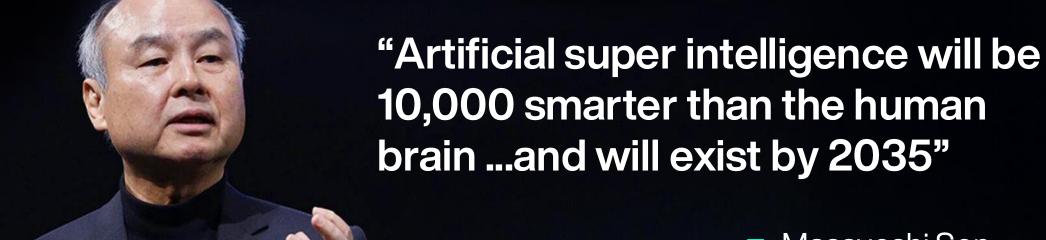


The Dawn of Superintelligence...

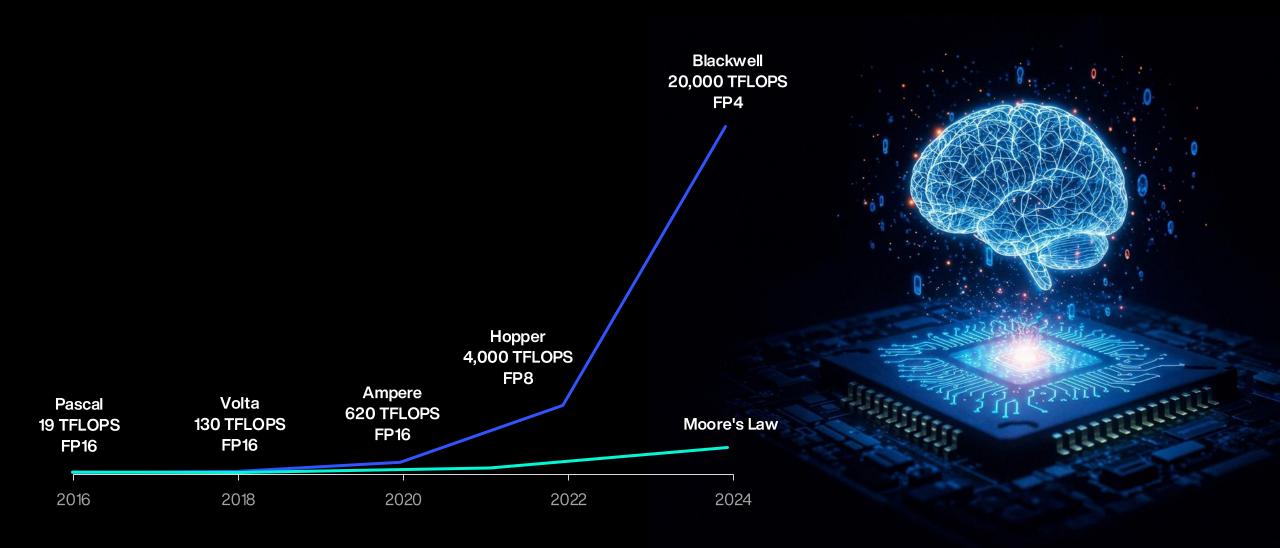




Masayoshi SonChairman & CEOSoftbank Group

We have witnessed the end of Moore's Law by Al!





While the bubble was expanding in the last four years – the dangers of a melt down have accelerated in the last two quarters



The World Uncertainty Index (WUI), an index measuring uncertainty in the world's economy and policies, is significantly higher than crises such as the COVID-19 pandemic. The US trade policy uncertainty index is more than four times higher than it was in 2018-19, when US-China trade friction was heating up.

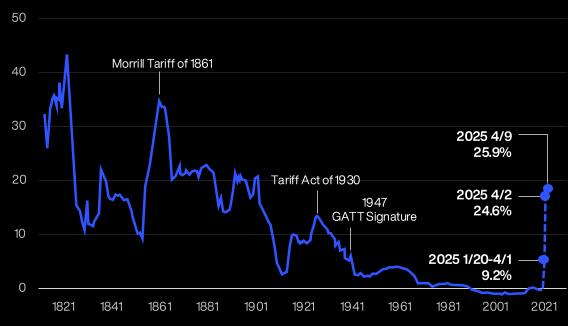
Based on the announcement as of April 9, the average effective tariff rate in the United States is over 25%. This is the highest tariff level in about 120 years since 1908.

Global Economic and US Trade Policy Uncertainty Index

World Uncertainty Index (WUI) US trade policy uncertainty: right axis 60,000 1.200 50,000 April 25 1.000 72733.5 April 25 40,000 800 1151.4 30,000 600 20,000 400 10.000 200

Note: The WIU is calculated by calculating the frequency of use of "uncertainty" and similar terms in the Economist Group's country reports. Trade policy uncertainty is calculated based on a text search of major US newspapers.

Changes in the US effective tariff rates (average for all items)



Note: As of April 2, the reciprocal tariff rates by country announced on the same day were applied, and as of April 9, the 145% rate for China and the reduced reciprocal tariff rate (10%) were applied.



- Introduction
- Building the Al-Driven Digital Infrastructure
- Navigating Market Dynamics, Risks, and the Quest for a Virtuous Cycle
- The Geopolitical Chessboard: Al, Digital Infrastructure & the New Global Détente
- Securing the Digital Frontier: Preventing Disruption and Addressing Vulnerabilities
- Al's Future: Caution, Augmentation, and Our Path Forward
- Final Thoughts



Building the Al-Driven Digital Infrastructure

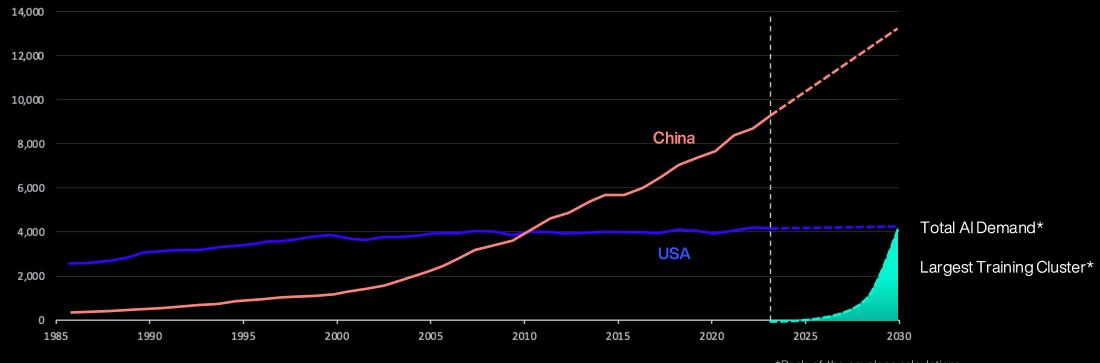
2/7

There is a race to build the supporting infrastructure for Al ...and China is in the lead



US & Chinese Electricity Generation

Annual Electricity Generation (TWh)

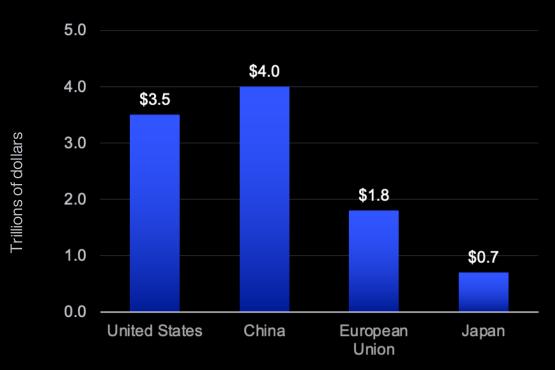


*Back-of-the-envelope calculations.

Projected GDP contributions of Al



Projected monetary contributions by Al to GDP in 2025



Japan:
\$0.7 trillion, driven by robotics and automation advancements

European Union:
Contributing \$1.8 trillion, with a focus

on manufacturing and innovation

United States:

\$3.5 trillion contribution by Al to

GDP, led by finance and logistics

China:

Leading at \$4.0 trillion, reflecting rapid Al

adoption in urban planning & e-commerce

Al is a major driver of economic growth across regions, with significant impacts on productivity, efficiency, and new industry development.

"Al has the potential to be more transformative than electricity or fire."

Sundar PichaiCEO of Google

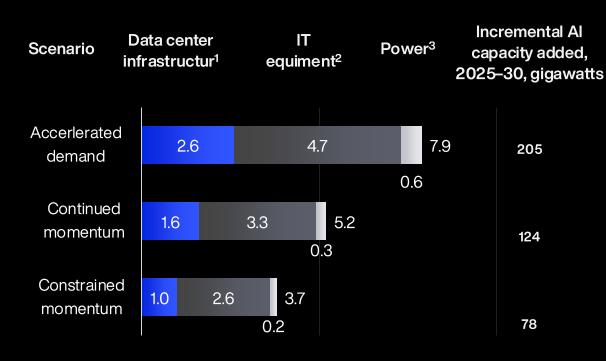


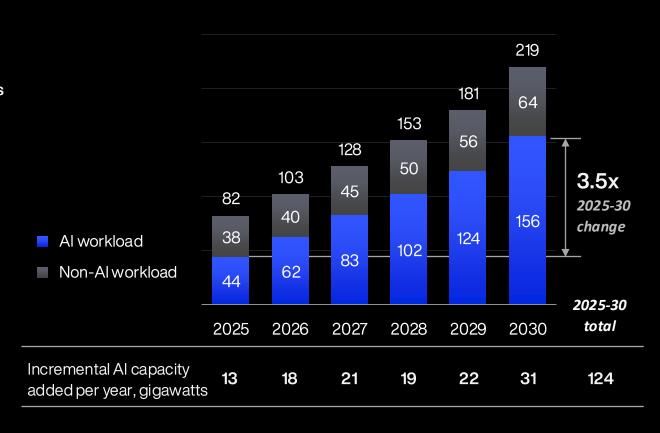
Despite the chaos of the first 90 days of 2025 – Demand for AI tech is accelerating



Global data center total capacity expenditures driven by Al, by category and scenario, 2025-30 projection, \$ trillion

Estimated global data center capacity demand, 'continued momentum' scenario, Gigawatts





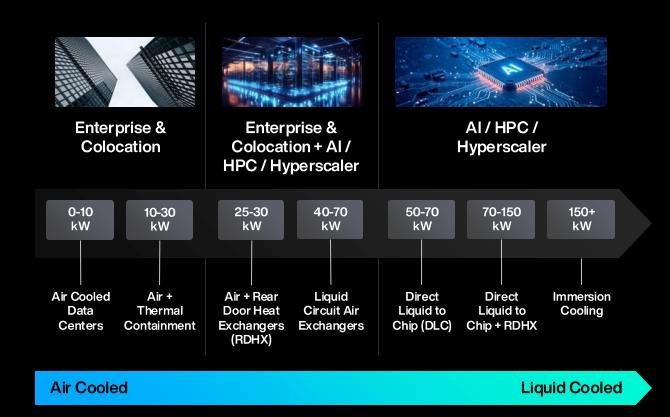
These components for the digital infrastructure are evolving



Average Rack Density Increase and % of Racks >30kw

"We estimate that AI workloads will represent 15% to 20% of the total data center energy by 2028." 19.4 Schneider Electric 16.8 12.8 % of racks over 30 kW/Rack 22% Rack densities 7.4 5.6 3.2 3.7 4.2 4.8 2% 2% 2% 3% 3% 4% 5% 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026

Cooling Technology by Threshold of Rack Densities





Navigating Market Dynamics, Risks, and the Quest for a Virtuous Cycle

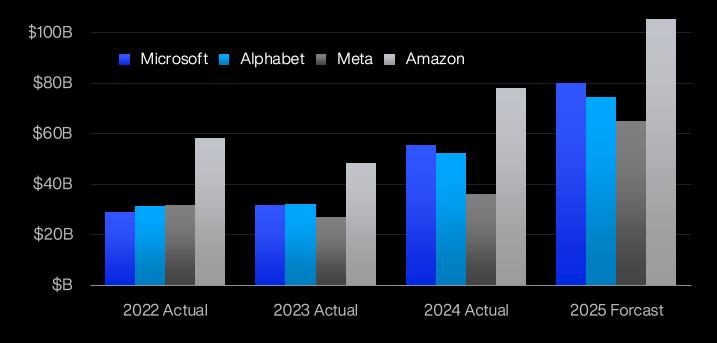
3/7

How the Big Spenders are Shaping Al



Big tech's big Al bet

Actual and announced capital expenditure and investment plans as of February 2025



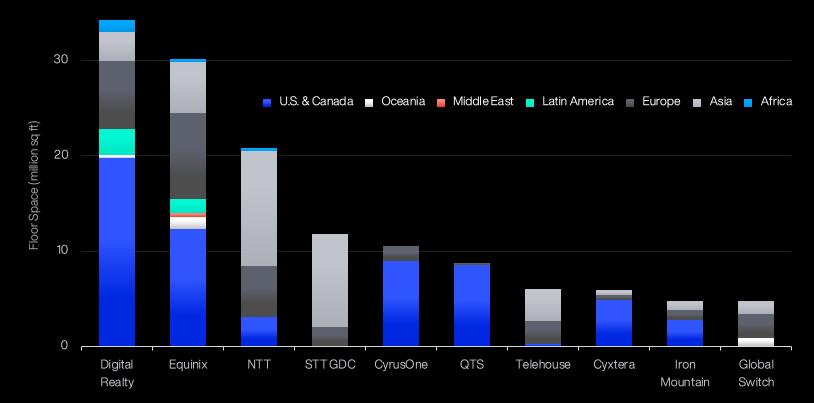
- Tech giants are making bold bets on AI, pouring billions into research, infrastructure, and talent to dominate the future.
- Microsoft, Alphabet, Meta and Amazon are expecting to spend a cumulative \$325 billion in capital expenditures and investments in 2025 driven by a continued commitment to building out artificial intelligence infrastructure.
- Together, this marks a 46% increase from the roughly \$223 billion those companies reported spending in 2024.
- Collaborations with innovators like OpenAl and Anthropic are driving groundbreaking advancements and redefining what's possible.

The data center market has been dominated by about 10 players for nearly 20 years, thriving by primarily serving 20 major buyers



Data center operators

Largest Commercial Data Center Operators, 2023

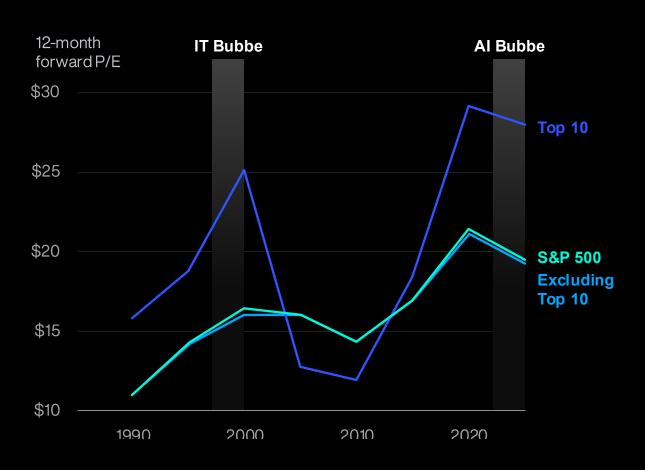


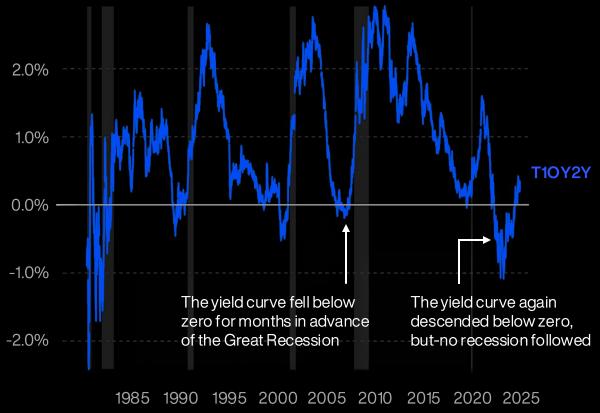
DRT has roughly 3 GW of capacity under management. If any of the five projected Mega Al centers get built – those companies would overnight become the largest data center companies in the world

Source: TeleGeography

There are many similarities between where we sit right now, and the tech melt down of 2001...







A massive correction can be avoided yet it will require flawless execution of a "back to growth" strategy



Capturing innovation and overseas demand, creating a virtuous cycle in the economy.

The vicious cycle of shrinking equilibrium

Patience in business management: sluggish added value Continuation of Worsening employment deflation Expected en vironment and falling -806%**T** -2711 growth rate decline labor income Increasing anxiety about the future Slumping domestic consumption Rising domestic savings

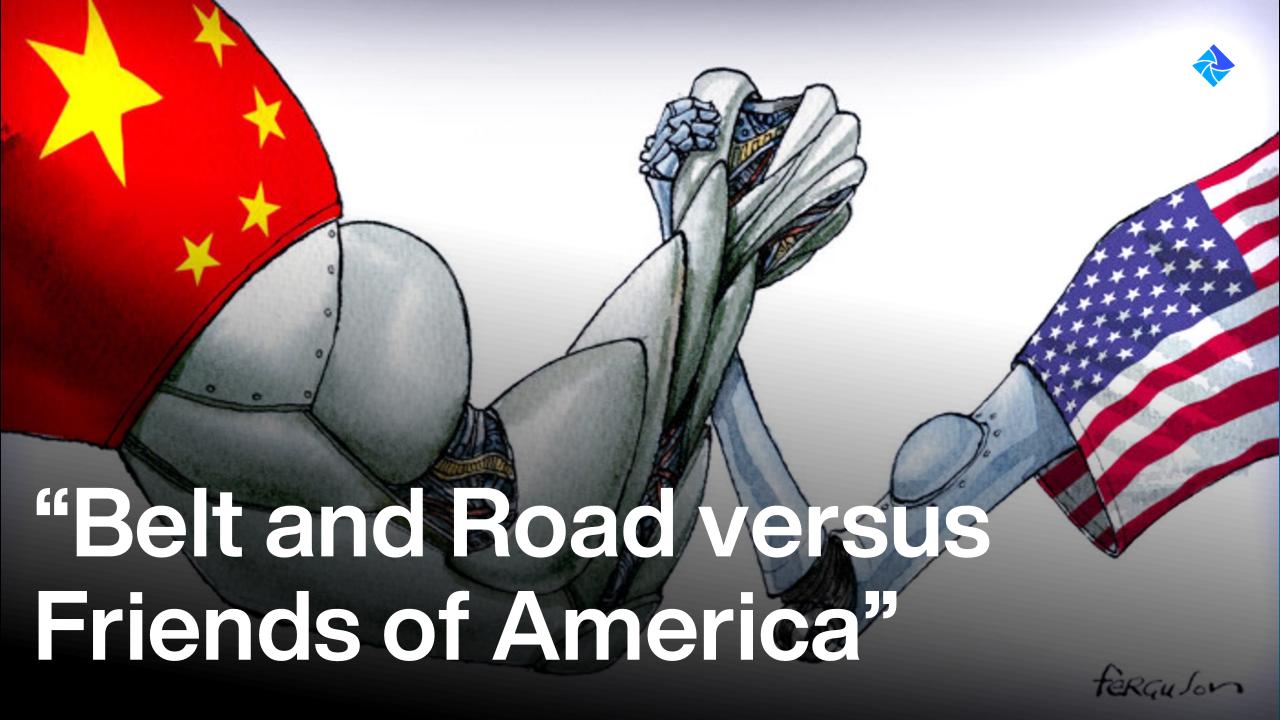
To break the vicious cycle...





The Geopolitical Chessboard: Al, Digital Infrastructure & the New Global Détente

4/7

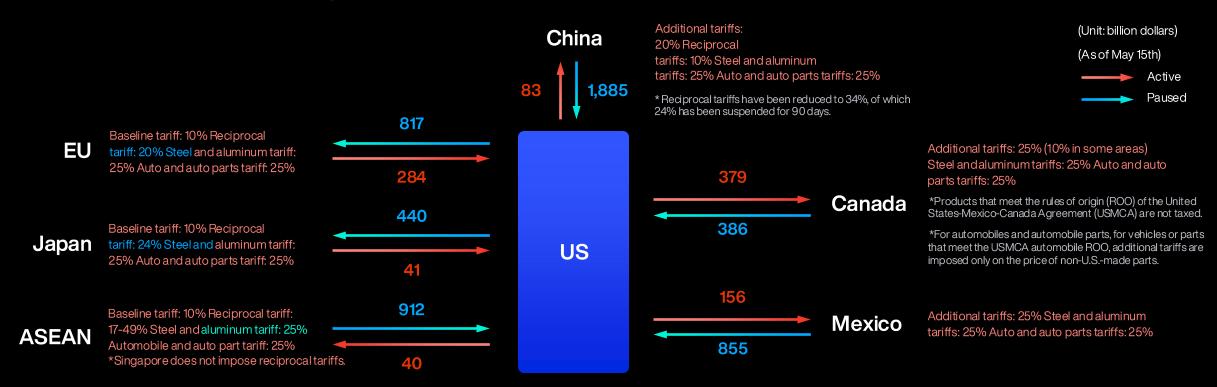


The US trade situation has become untenable...



- China's exports of final durable consumer goods to the United States were \$188.5 billion, far more than any other major country or region.
- In terms of imports, one-third of the total is dependent on China, while exports from the United States to China account for less than one-twentieth of the total.
- With regard to other major countries and regions, with the exception of Canada, the United States also has a large trade deficit.

Trade of final durable consumer goods (export basis) in 2024



Notes: 1. Total of final durable consumer goods processed products according to the 5th edition of the UN BEC. 2. The tariff rates listed next to each country are the tariffs imposed by the US on each country/region.

3. The amount of exports from China and ASEAN to the US is calculated by multiplying the amount of imports from China and ASEAN to the US tatistics) by the CIF/FOB rate.

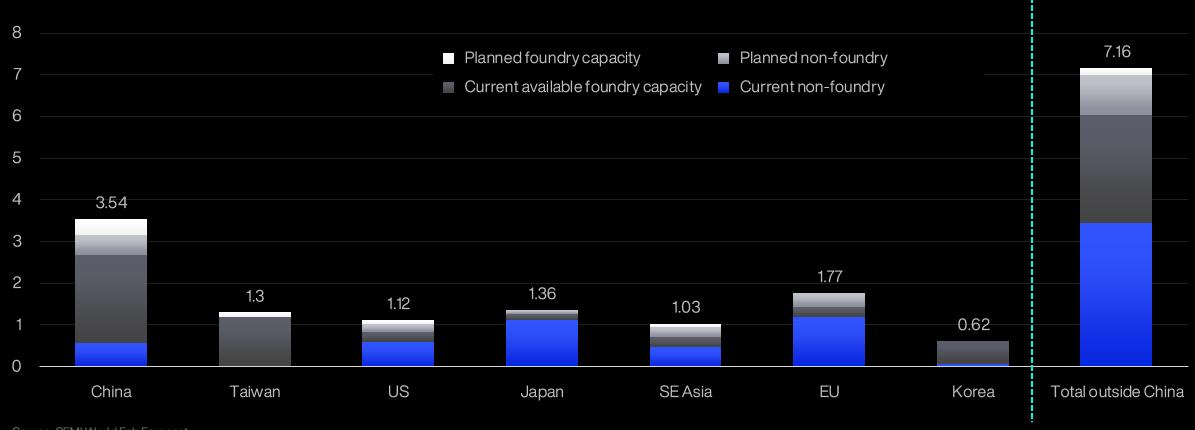
Source: UN Comtrade

The US is highly dependent on the Far East for "chips"



China and Taiwan control around 70% of 50-180nm foundry capacity globally and continues to lead in this area

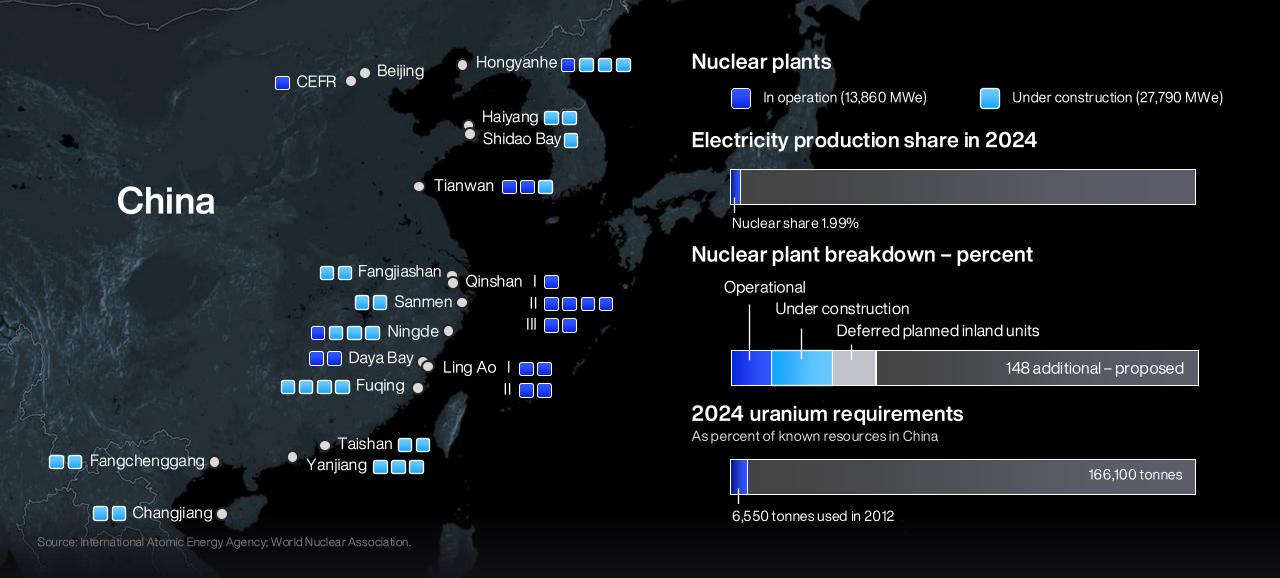
Current and planned wafer capacity (excluding memory) at 50-180nm as of March 14, 2023, million wafer starts per month (mwspm)



Source: SEMI World Fab Forecast

China will have the excess power over next five years to take the lead in AI and Cloud



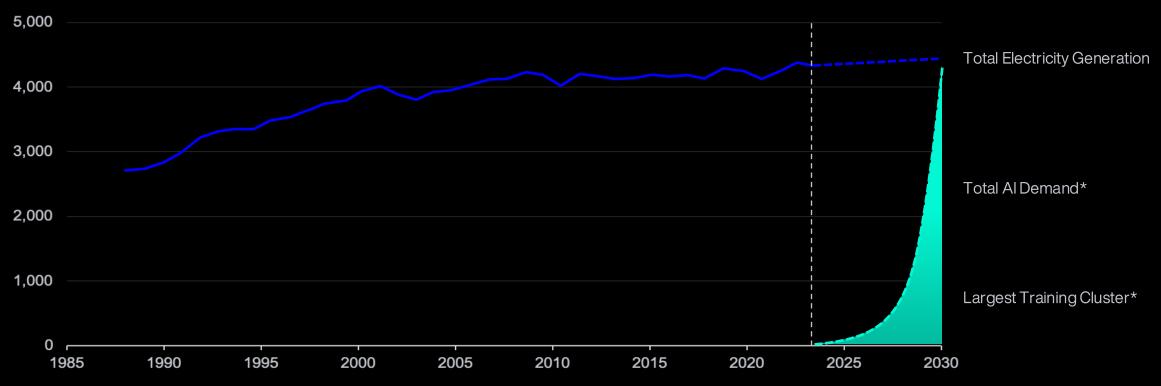


The US will not have the capacity to compete in Al due to shortage of electrical power



US Electricity Generation

Annual Electricity Generation (TWh)



*Back-of-the-envelope calculations

The decoupling with China needs to be done carefully



Unlike the Biden administration, the Republican Party has taken a tough stance against China, even in areas that are not important for national security, such as revoking the Permanent Normal Trade Relations (PNTR). Regarding inward investment from China, it states that it will block the acquisition of real estate and companies in the United States. Some companies have pointed out a de facto decoupling of the United States and China.

Examples of major regulations by the United States

China

Strengthening export controls (semiconductors, etc.)

US

Strengthening foreign investment regulations

- Additional tariffs (Articles 301, 232)
- Ban on import of telecommunications equipment
- Business and Human Rights (UFLPA)

- Strengthening inward investment screening (CFIUS)
- Industrial Policy (IRA, CHIPS)





Securing the Digital Frontier: Preventing Disruption and Addressing Vulnerabilities

5/7

Cables over the last 35 years were built to connect massive population centers(eyeballs) to the internet...



Service Submarine Cables

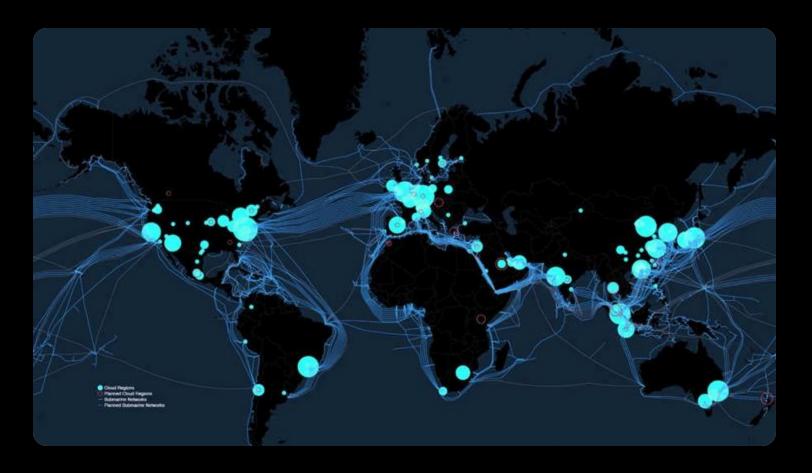


...the new locations will now focus more heavily on proximity to regions with excess power



Existing + planned cables and cloud data centers

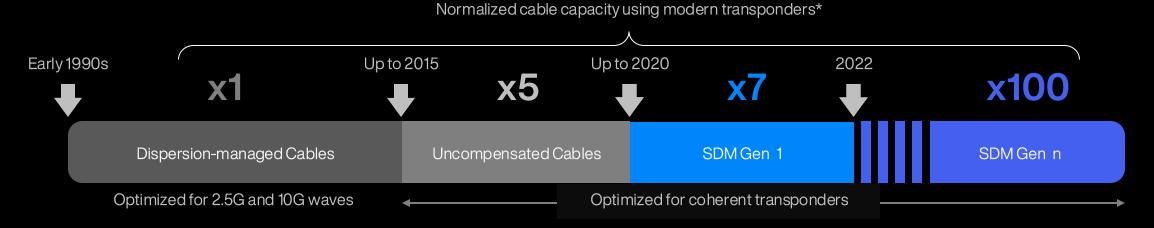
- Where will Al factories (Al-focused data centers) be built?
- New cables may be needed to locations currently not connected or underserved



These new cables will be less in number yet much higher in capacity...

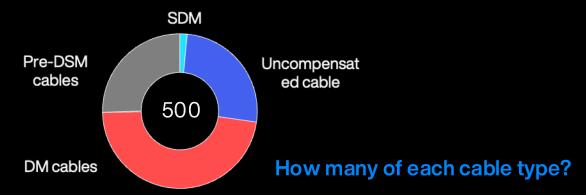


Evolution of submarine cables



* Compares total cable capacity of trans-Atlantic distance using fifth-generation coherent transponders

There are only a few SDM cables today, but SDM is the accepted architecture for new long-distance submarine cables

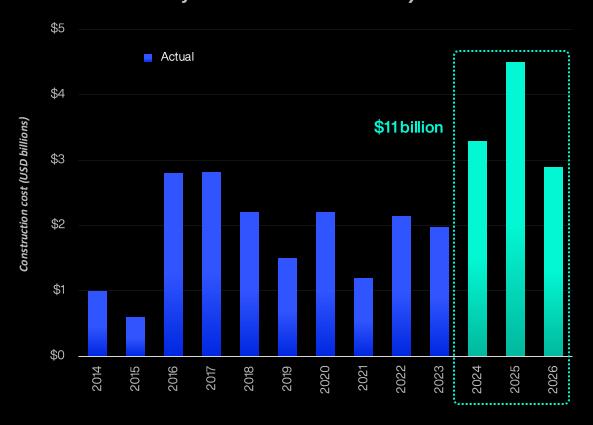


...and much cheaper to build!



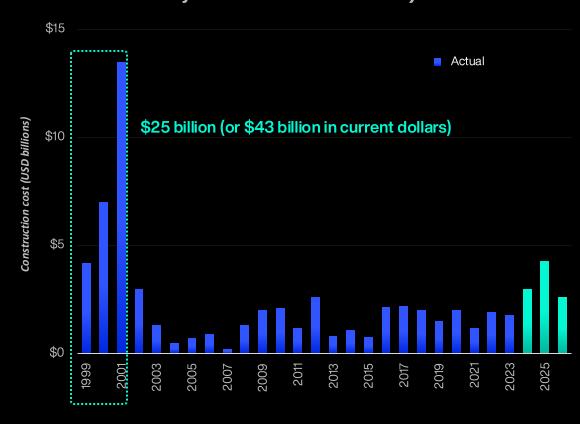
Is there overinvestment in cables?

Construction cost of new submarine cables by RFS



Not partying like it's 1999

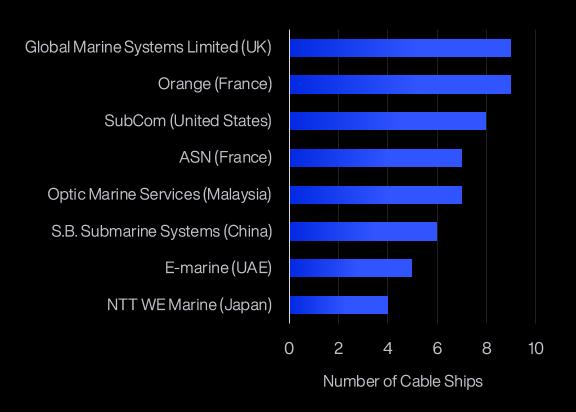
Construction cost of new submarine cables by RFS



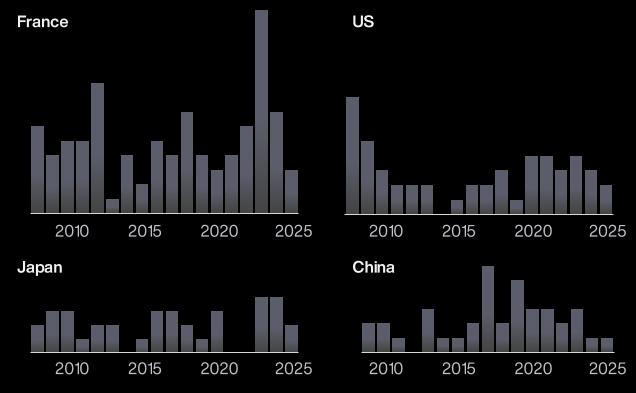
Majority of these cables to be built by non-American vendors



Cable Ship Fleet Distribution by Company



Submarine cable projects for which companies based in France, US, Japan and China have supplied or will supply equipment



These new cables will be vulnerable to a number of "choke" points which will have the ability to stifle digital commerce if not managed appropriately









Al's Future: Caution, Augmentation, and Our Path Forward

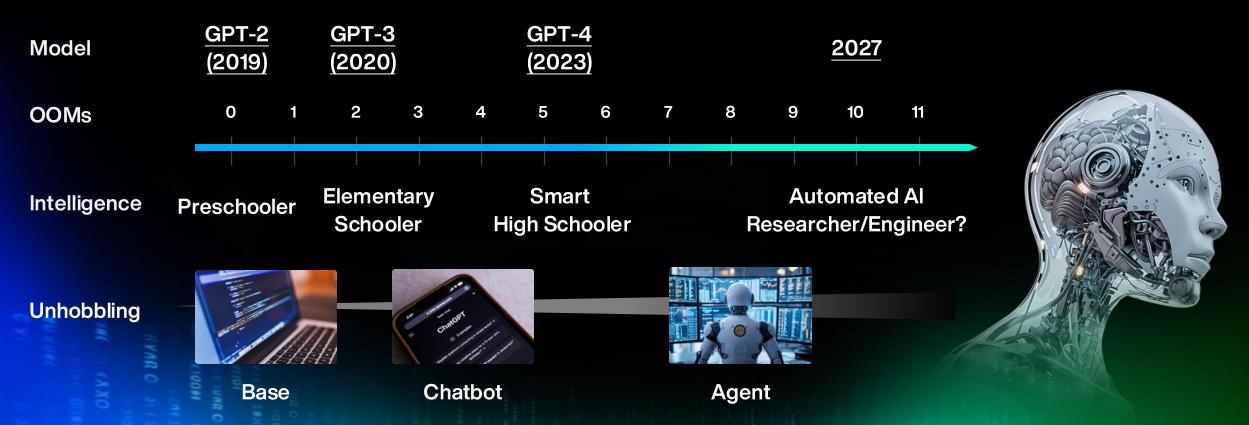
6/7



The Evolution from Chatbot to Agent (and Agentic Al)



Counting the OOMs





Thursday, September 4, 2025

Opening Remarks

- Brian Moon, Chief Executive Officer, PTC
- Bill Barney, Chairman, Asian Century Equity & President & Chair, PTC Board of Governors

Session 1: The World in 2030: A Glimpse into What's Possible

- Vint Cerf, Chief Internet Evangelist, Google
- Eli Noam, Professor, Columbia Business School
- Troy Tazbaz, Senior VP of Corporate Strategy & Operations, Oracle
- (Moderator) Robert Pepper, Senior Fellow, GDIP & Member, PTC Board of Governors

Session 2: Chasing Gigawats in Global Al and Energy

- Randy Brouckman, CEO, EdgeConneX
- Keri Gilder, Chief Executive Officer, Colt Technology Services
- Andrew (Andy) Power, Chief Executive Officer, Digital Realty
- Steve Smith, Chief Executive Officer, Zayo Group
- (Moderator) Tony Rossabi, Founder & Managing Member, OCOLO

Session 3: Private Equity: The Petrol for Data Centers – What's the Next Play?

- Jan Vesely, Partner, EQT
- Tomer Yosef-Or, Partner, Vitruvian
- Derek Chu, Head of American Real Assets, Mid Risk, Investments, Australian Super
- Renato Mazzola, Managing Partner, BTG Pactual
- (Moderator) Lynn Smullen, Senior VP, Strategic Partnerships & Pursuits, Oracle

Session 4: Global Blueprints: The New Era of Digital Growth

- **Bjorn Brynjulfsson**, Chief Executive Officer, Borealis
- Peter Hopper, Partner and Cofounder, Primary Digital Infrastructure
- Vice Minister Takuo Imagawa, Int'l Affairs, Ministry of Internal Affairs & Comms (MIC), Japan
- (Moderator) Tony Rossabi, Founder & Managing Member, OCOL

Session 5: Trading Blows: Surviving the Shifts in Global Trade

- Don MacNeil, Chief Revenue Officer, EdgeConne X
- William Smales, Partner & Chief Investment Officer, Morrison
- **Obinna Isiadinso,** Global Sector Lead, IFC
- Chris Sharp, Chief Technology Officer, Digital Realty
- (Moderator) Tony Rossabi, Founder & Managing Member, OCOLO

Session 6: The Satellite Enigma vs. The Cable: Connectivity in the Pacific

- Dan Dooley, Chief Commercial Officer, Lynk Global
- **Philip Henderson,** Chief Executive Officer, Vodafone Cook Islands
- Roary Stasko, CEO, Telstra International
- Sita Sonty, Partner & Managing Director AlixPartners, AD&A Americas
- (Moderator) Bill Barney, Chm., Asian Century Equity & Pres. & Chair, PTC Board of Governors

Friday, September 5, 2025

Fireside Chat

- Marc Ganzi, Chief Executive Officer, Digital Bridge
- **(Moderator) Bill Barney,** Chm., Asian Century Equity & Pres. & Chair, PTC Board of Governors

Fireside Chat

- Joseph Alm, Deputy Asst. Secretary for Economic Security, US Dept. of Homeland Security
- Steve Lang, Former US Coordinator of International Communications and Information Policy
- (Moderator) Robert Pepper, Senior Fellow, GDIP & Member, PTC Board of Governors

Session 7: The Partnership Evolution: Unlocking Global Growth Together

- Obinna Isiadinso, Lead for Data Center Investments, Global TMT
- Raj Mirpuri, Vice President of Enterprise and Cloud Sales, NVIDIA
- Mohamed Nasr, CEO & Managing Director, Telecom Egypt
- Ignacio Quintana, Managing Director & Co-Head of Al Infrastructure, MGX
- (Moderator) Lynn Smullen, Senior VP, Strategic Partnerships & Pursuits, Oracle

Open Forum and Closing Remarks





Final Thoughts

7/7

Some of the greatest minds of our generation are extremely cautious when it comes to Al





"Artificial Intelligence will evolve to become a superintelligence.
We need to be mindful of how it's developed and ensure that it aligns with humanity's best interests."

Bill Gates
Co-founder of Microsoft

"The development of full artificial intelligence could spell the end of the human race... It would take off on its own, and re-design itself at an ever-increasing rate. Humans, who are limited by slow biological evolution, couldn't compete, and would be superseded."



The realists view of Al

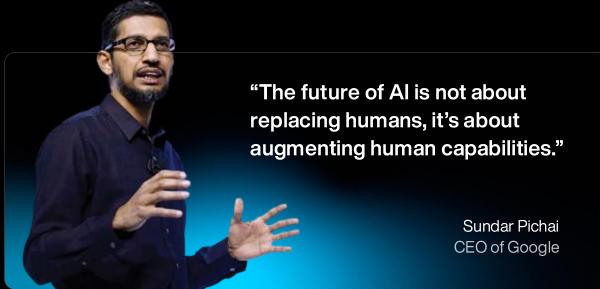




"Al will not replace humans, but those who use Al will replace those who don't."

Ginni Rometty
Former CEO of IBM







The people who are crazy enough to think they can change the world are the ones who do.

Steve Jobs



